ICAR-K.H.PATIL KRISHI VIGYAN KENDRA, HULKOTI, GADAG DISTRICT ACTION PLAN FOR 2023-24

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with phone, fax and e-mail ID	:	ICAR-K.H. Patil Krishi Vigyan Kendra Hulkoti – 582205 Dist.: Gadag, State: Karnataka Phone: (08372) 289606 E-mail: kvk.gadag@icar.gov.in, kvkhulkoti@gmail.com Website: https://kvkgadag.icar.gov.in
1.2	Name and address of host organization	:	Agricultural Science Foundation Hulkoti – 582205 District: Gadag, State: Karnataka Phone: (08372) 289069 E-mail: hulkotiasf@gmail.com Website: www.asf.ind.in
1.3	Year of sanction	:	1985
1.4	Website address of KVK and date of last update		https://kvkgadag.icar.gov.in and date of last update is 18-03-2023

2.Details of staff as on date

				If permanen indica	•		If temporary, pl. indicate
SI. No.	Sanctioned post	Name of the incumbent	Discipline	Current Pay Level	Current Basic Pay	Date of joining	the consolidated amount paid (Rs./month)
2.1	Senior Scientist & Head/PC	Dr. L.G. Hiregoudar	Crop Physiology	L-14	218200	05.09.1992	Р
2.2	Subject Matter Specialist	Dr. Sudha V. Mankani	Home Science	L-12	119300	26.06.1995	Р
2.3	Subject Matter Specialist	Mr. N.H. Bhandi	Soil Science	L-11	96600	01.06.2005	Р
2.4	Subject Matter Specialist	Mrs. Hemavati R.H.	Horticulture	L-10	61300	14.02.2020	Р
2.5	Subject Matter Specialist	Dr. Vinayaka Niranjan	Agri. Engineering	L-10	57800	11.10.2021	Р

				If permanent, please indicate			If temporary, pl. indicate
SI. No.	Sanctioned post	Name of the incumbent	Discipline	Current Pay Level	Current Basic Pay	Date of joining	the consolidated amount paid (Rs./month)
2.6	Subject Matter Specialist	VACANT	Ag. Extension				
2.7	Subject Matter Specialist	VACANT	Agronomy				
2.8	Programme Assistant (Animal Science)	Dr. B.M. Murgod	Animal Husbandry	L-7	60400	25.06.2007	Р
2.9	Programme Assistant (Computer Programmer)	Mrs. Lalita S.Asuti	Computers	L-7	66000	01.06.2005	Р
2.10	Programme Assistant (Farm Manager)	Mr. Suresh L. Halemani	Farm management	L-7	53600	01.02.2011	Р
2.11	Assistant	Mr. M.B. Jakkanagoudar	Accounts	L-7	60400	25.06.2007	Р
2.12	Stenographer	Mr. T.K. Sai Swaroop Rao	-	L-4	30500	15.12.2016	Р
2.13	Driver Cum Mechanic	Mr. N.L. Hadapad	-	L-4	46100	03.09.1992	Р
2.14	Driver Cum Mechanic	Mr. G.D. Madivalar	-	L-4	41000	26.06.1995	Р
2.15	Skilled Support Staff-1	Mrs. Savita V. Karadani	-	L-1	19700	14.02.2020	Р
2.16	Skilled Support Staff -2	VACANT	-				

3. Details of SAC meeting conducted during 2022-23

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
22-02-2023	19	Introduce more perennial fruits and vegetables in Nutri Garden	These recommendations are included in the Action Plan of 2023-24	-
		Conduct trainings on vegetable and fruit processing.		
		Include cucumber variety released by IIHR under Vegetable Cafeteria.		
		Impart trainings on IFS in order to enable farmers to get good income and give thrust to animal components also		
		Give thrust to Intercropping and Mixed cropping during trainings.		
		Train farmers to take up seed treatment in Redgram crop to reduce incidence of wilt problem in the district		
		Pure Byadagi variety seed production in Chilli crop be encouraged among farmers so as to make pure Byadagi variety seeds available to villagers.		
		Conduct group meeting / crop seminar in Mango crop to overcome pest problem involving Subject Experts.		
		Advise farmers for going to buffaloe rearing as buffaloe milk fetches good market price and thus farmers can get good returns.		
		Advise farmers for planting fodder trees on bunds so as to feed animals, sheep and goat even during off-seasons.		
		Take up Paraquat spray for shedding of leaves in Greengram before mechanical harvesting to ease the harvesting operation and also suggested to go for eco-friendly treatment with high salt concentrate in place of chemical i.e Paraquat.		
		Take up method demonstrations of seed treatment in Greengram seeds before sowing to manage Yellow Vein Mosaic Virus.		
		Promote BJV-44 variety of Rabi Sorghum through demonstrations.		

Date	Number of	Salient Recommendations	Action taken	Remarks, if
	Participants			any
		Advise farmers to go for Ridges and Furrows in Chilli crop in case of excess rainfall during the season.	These recommendations are included in	-
		Advise farmers to go for wider spacing (row to row) in Bengalgram crop for good mechanical harvesting.	the Action Plan of 2023-24	

Tentative date of SAC meeting proposed during 2023-24 : 30-11-2023

4. Details of operational areas proposed during 2023-24

Clusters	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise that limit yield and income	Extent of area (ha/No.) affected by the problem in the village	Proposed intervention (OFT, FLD, Training, extension activity etc.)*
Cluster A Asundi (Gadag block)	Maize	 Imbalanced nutrition Application of excess Nitrogen Incidence of Army worm Drudgery during threshing and winnowing of Maize Incidence of Turcicum leaf blight and Bacterial stalk rot High labour requirement for harvesting of maize 	40 ha. (40% of the irrigated area)	 Training on INM practices in Maize Trainings on use of machineries in maize cultivation Supply of literature
	Greengram	 Low yield due to use of local variety Imbalanced nutrition and high cost of cultivation Low yield due to incidence of Powdery mildew and Pod borer Seed shattering problem during harvesting in local variety China Moong Moisture stress due to long dry spells in Kharif 	45 ha (30% of the area)	 FLD on ICM practices in Greengram FLD on Compartmental Bund Former Training on ICM in Greengram Supply of literature Field day

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.)*
	Bt. Cotton	 Incidence of Pink bollworm Incidence of Leaf reddening Incidence of sucking pests 	15 ha (10% of the area)	 Training on use of Splat pheromone technique to control pink bollworms with method demonstration Training on ICM practices in cotton Field day
	Bengalgram	 Low yield due to cultivation of local varieties Imbalanced nutrition and high cost of cultivation Low yield due to incidence of pod borer Incidence of Wilt and Rust 	150 ha (50% of the area)	 FLD on ICM practices in Bengalgram Training on ICM practices in Bengalgram Supply of literature Field day
		 Non profitability due to no nipping Drudgery of Operation involved in Manual Nipping of Chickpea 		 FLD on solar nipping machine Trainings on use of machineries in chickpea cultivation Field day
	Rabi Sorghum	 Low productivity due to use of local variety Incidence of shoot fly and stem borer Incidence of smut diseases Problem of lodging in existing variety 	40 ha (20 % of the area)	 FLD on ICM practices in Rabi Sorghum Training on ICM practices in Rabi Sorghum Supply of literature Field day
	Summer groundnut	 Low yield due to use of local varieties Imbalanced nutrition Incidence of collar rot and root grub 	50 ha (50% of the irrigated area)	 FLD on INM in Summer Groundnut Training on ICM practices in summer groundnut Field Day Supply of literature
		 Drudgery involved in manual harvesting Low income due to high labour cost 		Trainings on use of machineries in groundnut cultivation

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.)*
	Safflower	 Low productivity due to cultivation of local variety Incidence of sucking pests Incidence of Capsule borer Incidence of Alternaria leaf spot 	100 ha (50 % of the area)	 FLD on ICM practices in ISF-764 variety Training on ICM practices in Safflower Supply of literature Field Day
	Vegetable crops	 Low income due to cultivation of local varieties Application of imbalanced fertilizers 	36 ha. (60% of the irrigated area)	 FLD on introduction of ICAR-IIHR varieties of vegetable crops (Ridgegourd, Radish, Spinach, Dolichos Bean, Cucumber and Drumstick) Assessment of high yielding okra hybrids for higher productivity Trainings on ICM in vegetable crops Supply of literature Field day
	Red Chilli	 Non-availability of quality and pure seeds of Byadgi Dabbi Lack of proper knowledge on ICM practices resulting in poor productivity and quality with high incidence of pest and diseases Improper post-harvest management (Drying & storage of chilli and its powder) 	250 ha. (60% of the rainfed area)	 FLD on ICM in Chilli crop Training on ICM Supply of relevant literature Farm advisory services Rendering Kisan Mobile Advisory Services to farmers Field day Seed production

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.)*
	Onion	 Imbalanced nutrition application without soil testing Low productivity in existing variety Bellary Red onion Low keeping quality of bulbs in existing variety High incidence of thrips & purple blotch High incidence of weeds High labour requirement in detopping of harvested onion crop 	250 ha. (60% of the rainfed area)	 FLD on introduction of Bhima Super variety along with ICM practices Demonstration of Battery Operated Onion Detopper Trainings on ICM in onion crop Seed production activities with identified seed farmers for supply of quality seeds of Bhima Super variety in village Supply of relevant literature Field day
	Nutrition and health	 Less consumption of fruits and vegetables Lack of awareness on nutritional importance and value addition of flax seeds Lack of availability of Omega-3 Fatty acids in vegetarian diet. 	85% families	 FLD on Nutri Garden Training on balanced diet and nutrition Training on importance of millets in diet Field day
	Millets	Low productivity due to cultivation of local variety Lack of awareness on millet nutrition and value addition	90% families	 FLD on HN-46 variety of Foxtail Millet Training on preparation of millet products Training Supply of literature
	Grain storage	Incidence of stored grain pest	50% families	 FLD on demonstration of Super grain bags Training on management of stored grain pests Home visits and interactive meetings Supply of literature Supply of super grain bags
	Borewell	Decreased ground water level and less water availability for irrigation	160 ha. (37%)	 Training on recharge of ground water through borewell Field visits to demonstration units of artificial recharge of ground water through borewell

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.)*
				Supply of literature
Cluster B Halligudi (Mundaragi block)	Greengram	 Low yield due to use of local variety Imbalanced nutrition and high cost of cultivation Low yield due to incidence of Powdery mildew and Pod borer Seed shattering problem during harvesting in local variety China Moong Moisture stress due to long dry spells in Kharif 	150 ha (25 % of the area)	 FLD on ICM practices in Greengram Training on ICM in Greengram Supply of literature Field day
	Bengalgram	 Low yield due to cultivation of local varieties Imbalanced nutrition and high cost of cultivation Low yield due to incidence of pod borer Incidence of Wilt and Rust Reduced yield due to moisture stress 	200 ha (40 % of the area)	 FLD on ICM practices in Bengalgram Training on ICM practices in Bengalgram Supply of literature Field day FLD on compartmental bund former Trainings on use of machineries in chickpea cultivation
	Safflower	 Low productivity due to cultivation of local variety Incidence of sucking pests Incidence of Capsule borer Incidence of Alternaria leaf spot 	100 ha (50 % of the area)	 OFT on Assessment of Annigeri 2020 and ISF-764 varieties in Safflower crop FLD on ICM practices in ISF-764 variety Training on ICM practices in Safflower Supply of literature Field Day
	Rabi Sorghum	 Low productivity due to use of local variety Incidence of shoot fly and stem borer 	40 ha (20 % of the area)	 FLD on ICM practices in Rabi Sorghum Training on ICM practices in Rabi Sorghum Supply of literature Field day

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.)*
		Incidence of smut diseasesProblem of lodging in existing variety		
	Sunflower	Incidence of NecrosisIncidence of Red headed caterpillar (RHHC)	20 ha (50 % of the area)	Training on ICM practices in SunflowerSupply of literature
	Red Chilli	 Non-availability of quality and pure seeds of Byadgi Dabbi Lack of proper knowledge on ICM practices resulting in poor productivity and quality with high incidence of pest and diseases 	80 ha. (30% of the rainfed area)	 FLD on ICM in Chilli crop Training on ICM Supply of relevant literature Farm advisory services Rendering Kisan Mobile Advisory Services to farmers Field day
	Onion	 Low income due to cultivation of local varieties Imbalanced nutrition without soil testing Low keeping quality bulbs in existing variety High incidence of thrips & purple blotch High incidence of weeds High labour requirement in detopping of harvested onion crop 	100 ha. (30% of the rainfed area)	 FLD on introduction of Bhima Super variety along with ICM practices Trainings on ICM in onion crop Demonstration of battery operated detopper Trainings on use of battery operated detopper Seed production activities with identified seed farmers Supply of quality seeds of Bhima Super variety Supply of relevant literature Field day
	Rabi crops	Non profitability in existing Rabi crops due to moisture stress during Rabi Season	80 ha (25% of the rainfed area)	 FLD on introduction of Ashwagandha crop for higher income and drought mitigation Supply of relevant literature Field day
	Rabi crops	Non profitability in existing Rabi crops due to moisture stress during Rabi Season	80 ha (25% of the rainfed area)	 FLD on introduction of Ajawain crop for higher income and drought mitigation Supply of relevant literature

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.)*
				Field day
	Nutrition and health	 Less consumption of fruits and vegetables Lack of awareness on nutritional importance and value addition of flax seeds Lack of availability of Omega-3 Fatty acids in vegetarian diet. 	85% families	 FLD on Nutri Garden Training on balanced diet and nutrition Training on importance of millets in diet Field day
	Grain storage	Incidence of stored grain pest	50% families	 FLD on demonstration of Super grain bags Training on management of stored grain pests Home visits and interactive meetings Supply of literature Supply of super grain bags
	Millets	 Low productivity due to cultivation of local variety Lack of awareness on millet nutrition and value addition 	90% families	 Demonstration of HN-46 variety of Foxtail Millet Training on preparation of millet products Training Supply of literature
Cluster C Akkigund (Laxmeshwar block)	Maize	 Imbalanced nutrition Incidence of Army worm Drudgery during threshing and winnowing of Maize Incidence of Turciccum leaf blight and Bacterial stalk rot High labour requirement for harvesting of maize 	60 ha (90 % of total area)	 Trainings on INM practices in Maize Trainings on use of machineries in maize cultivation Supply of literature
	Spreading groundnut	 Low productivity in existing local varieties Imbalanced nutrition Incidence of leaf minor and leaf spot 	40 ha (20 % of the area)	 Trainings on ICM practices in Spreading groundnut Supply of relevant literature

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.)*					
	Soybean	Low productivity due to cultivation of local variety	20 ha (5% of the area)	 FLD on Introduction of KDS-753 variety of Soybean Trainings Supply of literature 					
	Bt. Cotton	Incidence of pink bollwormProblem of leaf reddeningIncidence of sucking pests	40 ha (20 % of the area)	 Training on use of Splat pheromone technique to control pink bollworm and method demonstration Training on ICM practices in cotton 					
		Drudgery of operation in existing spraying methods	120 ha (80 % of total area)	Trainings on use of machineries in Bt. Cotton cultivation					
	Greengram	 Low yield due to use of local variety Imbalanced nutrition and high cost of cultivation Low yield due to incidence of Powdery mildew and Pod borer Seed shattering problem during harvesting in local variety China Moong Moisture stress due to long dry spells in Kharif 	80 ha (50 % of the area)	 FLD on ICM practices in Greengram FLD on Compartmental Bund Former Training on ICM in Greengram Supply of literature Field day 					
	Blackgram	 Low yield due to use of local varieties Incidence of Powdery mildew Incidence of pod borer 	30 ha (20 % of the area)	 OFT of high yielding varieties of Blackgram Training on ICM practices in Blackgram Supply of literature 					
	Bengalgram	 Low yield due to cultivation of local varieties Imbalanced nutrition and high cost of cultivation Low yield due to incidence of pod borer Incidence of Wilt and Rust 	100 ha (25 % of the area)	 Training on natural farming practices in Bengalgram FLD on demonstration of solar nipping machine in Bengalgram Trainings on use of machineries in Bengalgram cultivation Supply of literature 					

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.)*				
		 Non profitability due to no nipping Drudgery of operation involved in manual nipping of Bengalgram 		Field day				
	Wheat	 Low productivity due to use of local varieties Incidence of termites and stem borer Incidence of rust and leaf spot 	20 ha (10 % of the area)	Training on ICM practices in WheatSupply of literature				
	Rabi Sorghum	Incidence of Shoot fly and Stem borerIncidence of Smut disease	20 ha (20 % of the area)	 FLD on ICM practices in Rabi Sorghum Training on ICM practices in Rabi Sorghum Supply of literature Field day 				
	Millets	 Low productivity due to cultivation of local variety Lack of awareness on millet nutrition and value addition 	90% families	 FLD on introduction of HN-46 variety of Foxtail Millet Training on preparation of millet products Training Supply of literature 				
	Rabi crops	Non profitability in existing farming system due to moisture stress during Rabi season	90 ha (40% of the rainfed area)	 FLD on introduction of Ashwagandha crop for higher income and drought mitigation Supply of relevant literature 				
	Borewell	Decreased ground water level and less water availability for irrigation	35 ha. (25%)	 Training on recharge of ground water through borewell Field visits to demonstration units of artificial recharge of ground water through borewell Supply of literature 				
	Milch cattle	 Low productivity of milk due to non-availability of green fodder throughout the year. 						

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.)*				
				 Field day Animal health camps in collaboration with Department of Animal Husbandry 				
	Goat	 Low body weight in kids 	200 Nos.	Training on scientific management of goats				
	Nutrition and health	 Less consumption of fruits and vegetables Lack of awareness on nutritional importance and value addition of flax seeds Lack of availability of Omega-3 Fatty acids in vegetarian diet. 	FLD on Nutri Garden Training on balanced diet and nutrition Training on importance of millets in diet Field day					
	Grain storage	Incidence of stored grain pest	50% families	 FLD on demonstration of Super grain bags Training on management of stored grain pests Home visits and interactive meetings Supply of literature Supply of super grain bags 				
Cluster D Muganur (Naragund block)	Maize	 Imbalanced nutrition Application of excess Nitrogen Incidence of Army worm Drudgery during threshing and winnowing of Maize Incidence of Turcicum leaf blight and Bacterial stalk rot High labour requirement for harvesting of maize 	150 ha (30 % of the area)	 Trainings on INM practices in maize Supply of literature 				
	Greengram	 Low yield due to use of local variety Imbalanced nutrition and high cost of cultivation Low yield due to incidence of Powdery mildew and Pod borer Seed shattering problem 	100 ha (50 % of the area)	 FLD on ICM practices in Greengram Training on ICM in Greengram Supply of literature Field day 				

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.)*					
		during harvesting in local variety China MoongMoisture stress due to long dry spells in Kharif							
	Wheat	 Low productivity due to use of local varieties Incidence of stem borer Incidence of rust and leaf spot 	40 ha (20 % of the area)	Training on ICM practices in wheatSupply of literature					
	Bengalgram	 Low yield due to cultivation of local varieties Imbalanced nutrition and high cost of cultivation Low yield due to incidence of pod borer Incidence of Wilt and Rust Non profitability in existing farming system due to moisture stress Deterioration of soil physical properties due to unscientific use of machineries Reduced Water Use Efficiency Non profitability due to nipping Drudgery of operation involved in manual nipping of Bengalgram 	50 ha (40 % of the area)	 OFT on assessment of high yielding varieties in Bengalgram crop OFT on conservation agriculture practices in Bengalgram preceded by Maize FLD on Solar nipping machine Training on natural farming practices in Bengalgram Training on resource conservation technologies in Bengalgram cultivation Trainings on use of machinaries in Bengalgram cultivation Field day Supply of literature 					
	Rabi Sorghum	 Incidence of Shoot fly and Stem borer Incidence of Smut disease 	25 ha (40 % of the area)	 FLD on ICM practices in Rabi Sorghum Training on ICM practices in Rabi Sorghum Supply of literature Field day 					

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.)*					
	Safflower	 Low productivity due to cultivation of local variety Incidence of sucking pests Incidence of Capsule borer Incidence of Alternaria leaf spot 	50 ha (50 % of the area)	 Training on ICM practices in Safflower Supply of literature Field Day 					
	Red Chilli	 Non-availability of quality and pure seeds of Byadgi Dabbi Lack of proper knowledge on ICM practices resulting in poor productivity and quality with high incidence of pest and diseases Unhygienic way of drying of Red Chillies 	120 ha (30% of the rainfed area)	 FLD on ICM in Chilli crop Training on ICM Supply of relevant literature Farm advisory services Field day Seed production activities with identified seed farmers 					
	Onion	 Low productivity due to imbalanced nutrition Low productivity due to cultivation of low yielding variety Double Red Incidence of thrips reduces the yields High labour requirement in detopping of harvested onion crop 	120 ha (30% of the rainfed area)	 FLD on introduction of Bhima Super variety along with ICM practices Trainings on ICM in onion crop Demonstration of battery operated onion detopper Trainings on use of battery operated onion detopper Seed production activities with identified seed farmers Supply of quality seeds of Bhima Super variety Supply of relevant literature&Field day 					
	Milch cattle	Low productivity of milk due to non-availability of green fodder throughout the year.	45 Nos.	 Training on scientific management of milch cattle Supply of literature Field visit & Mobile advisory services Field day Animal health camps in collaboration with Department of Animal Husbandry 					

Clusters	Major crops & enterprises being	Prioritized problems in these crops/ enterprise that limit yield	Extent of area (ha/No.) affected	Proposed intervention (OFT, FLD, Training, extension activity etc.)*
	practiced in cluster villages	and income	by the problem in the village	
	Nutrition and health	Less consumption of millets, fruits and vegetables in daily diet	85% families	 FLD on Nutri Garden Training on health and nutrition, importance of millets in diet Field day
	Grain storage	Incidence of stored grain pest	50% families	 FLD on demonstration of Super grain bags Training on management of stored grain pests Home visits and interactive meetings Supply of literature Supply of super grain bags
	Millets	Lack of awareness on millet nutrition and value addition	90% families	Training on preparation of millet productsSupply of literature

5.Technology assessment during 2023-24

SI No	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
5.1	Bengalgram	 Productivity of JG-11 variety is low 	Assessment of production potential of	Farmers Practice: JG-11	-	-	-	-			Plant height (cm)Height of first	
		 Problem of wilt in this variety JG- 	different Bengalgram varieties	<u>Technology</u> <u>Option 1:</u> JAKI-9218	UAS, Dharwad	Seeds (JAKI-9218)	20 Kg	2000			Pod (cm) No. of pods per plant Height of cut for mechanical	
		11		Technology Option 2: DBGV-204	UAS, Dharwad	Seeds (DBGV-204)	20 Kg	2000				
				Technology Option 3: NBeG-49	PJTSAU, Hyderabad	Seeds (NBeG-49)	20 Kg	2000			harvesting (cm) • Shattering	
				Technology Option 4:Phule Vikram	MPKV, Rahuri	Seeds (Phule Vikram)	20 Kg	2000	5	42800	losses due to mechanical harvesting (%) • Test weight	SMS (Agronomy)
						Other inputs					(g)	
						Trichoderma	800 gm	160			Grain yield	
						Rhizobium	2 Kg	200			(q/ha)	
						PSB	2 Kg	200			 Duration of crop (Days) Incidence of wilt (%) Incidence of rust (%) 	
							Total	8560			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0140
5.2	Bengalgram	 Deterioration of soil physical properties 	Assessment of conservation agriculture practices in	Farmers' Practice Sowing of chickpea following					3	21300	•Yield (Qtl/ha) •Soil moisture content (%) •Soil Bulk Density	SMS (Ag. Engg.)

SI No	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
		due to repeated use of machineries High cost of cultivation	Bengalgram after harvest of Maize	conventiona I tillage (Harrowing and rotavator operation twice) after Maize crop harvest							(kg/cm³) • Economics	
				<u>Technology</u> <u>Option 1</u> Direct		Seeds (JAKI 9218) Chickpea magic	15 Kg	1500 550				
				sowing of chickpea after single pass blade harrow operation after harvest with combine harvester	PAU, Ludhiana	Farm machinery hiring cost (Tractor with Blade harrow + Seed drill)		2000				
				<u>Technology</u> <u>Option 2</u>		Seeds (JAKI 9218)	15 Kg	1500				
				Sowing of chickpea in single pass Rotavator operation	PAU, Ludhiana	Chickpea magic Farm machinery hiring cost (Tractor with Seed drill)		550 1000	_			
				after harvest of Maize with combine harvester			Total	7100	-			

SI No	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members		
5.3	Blackgram	Low productivity due to cultivation of	Assessment of Production potential of	Farmers practice: Local variety	-	-	-	1			Plant height (cm)No. of pods per plant			
		local variety	different Blackgram varieties	Technology Option 1: DBGV-5	UAS. Dharwad	Seeds (DBGV-5)	7 Kg	1000			Test weight (gm)Grain			
			under rainfed condition	Technology Option 2: BDU-12	UAS, Raichur	Seeds (BDU-12)	7 Kg	1750	3	13950	yield(q/ha)	SMS (Agronomy)		
				Technology Option 3: LBG-791	UAS, Bengaluru	Seeds (LBG-791)	7 Kg	1750						
						Other inputs								
						Trichoderma	50 gm	20						
								Rhizobium	200gm	30				
						PSB	500gm	100						
							Total	4650						
5.4	Safflower	Low productivity due to	Assessment of different Safflower	Farmers Practice: A-1	-	-	-	1			Plant height (cm)No. of branches			
		cultivation of local variety	varieties for their productivity	<u>Technology</u> <u>Option 1:</u> ISF-764	ICAR-IIOR, Hyderabad	Seeds (ISF-764)	3.5 Kg	350			per plantNo. of capsules per plant	SMS		
			under 7 rainfed <u>0</u>	Technology Option 2: A-2020	UAS, Dharwad	Seeds (A-2020)	3.5 Kg	350	3	3150	Duration (Days)Yield (q/ha)Incidence of	(Agronomy)		
			CONTRA		Technology Option 3: Annigeri Gold	UAS, Dharwad	Seeds (Annigeri Gold)	3.5 Kg	350			leaf spot (%)		
							Total	1050						

SI No	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
5.5	Okra	Existing hybrids are low yielding and resulting in low income	Assessment of high yielding okra hybrids for higher productivity	Farmers' Practice Cultivation of private hybrids Technology	TNAU,	Seeds:	1 Kg	2500	_		Yield (Qtl/ha) and economics PDI (%) Plant height & Duration of the crop	SMS (Horticulture)
				Option 1	Tamilnadu	CoBH-4	9				Market	
				CoBH-4		Arka vegetable Special	1Kg	200	3	19050	preference •Rate per Kg or Quintal	
				Technology Option 2	ICAR-IIHR, Bengaluru	Seeds : Arka Nikita	1 Kg	2500		10000	- Common	
				Arka Nikita		Arka Vegetable Special	1Kg	200				
				Technology Option 3	MPKV, Rahuri	Seeds: Phule Vimukta	1 Kg	750				
				Phule Vimukta		Arka Vegetable Special	1 Kg	200				
							Total	6350				
							Total	of OFTs	17	100250		

6. Frontline demonstrations during 2023-24

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
6.1	Cereals	Rabi Sorghum	 Low productivity in existing M 	Demonstr ation of BJV-44	BJV-44	-	UAS, Dharwad	Seeds (BJV-44)	3 Kg	240			Yield (Qtl/ha)% of	SMS (Agronomy) & SMS
			35-1 variety	variety in Rabi				Azospirillum	200 gm	30			lodging	(Home Science)
			 Moisture stress 	Sorghum				PSB	200 gm	30	20	11400	 Organolepti c evaluation 	,
				crop				CaCl ₂	100 gm	20				
								ZnSO4	1.5 Kg	150				
								FeSO4	1.5 Kg	100				
								Total		570				
6.2	Millets	Foxtail millet	Low productivity due to cultivation of local variety	Demonstr ation of HN-46 variety of Foxtail Millet	HN-46	-	UAS, Dharwad	Seeds (HN-46)	3	450	3		Yield (Qtl/ha) Height of plant (cm) Length of cob (cm)	SMS (Agronomy) & SMS (Home Science)
6.3	Oilseeds	Safflow er	Low productivity due to cultivation of	Demonstr ation of ICM practices	ISF-764	-	ICAR-IIOR, Hyderabad		3.5 Kg	350	10	3800	No. of capsules per plant Duration	SMS (Agronomy)

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
			local variety Imbalanced nutrition Incidence of sucking pests Incidence of Capsule borer Incidence of Leaf spot	in high yielding ISF-764 variety of Safflower				Azospirillum	200 gm	30			(Days) • Yield (q/ha) • Incidenc e of leaf spot (%)	
								Total		380				
		Soybean	productivity due to cultivation of local variety	Demonstra ion of KDS- 753 variety in Soybean		-	MPKV, Rahuri	Seeds (KDS-753)	25 Kg	3750	3	11250	 Plant height (Cm) No. of tillers Yield (Qtl/ha) 	SMS (Agronomy)
		Summer Groundn ut	Low yield due to imbalanced nutrition	INM in Summer Groundnut	-	-	UAS, Dharwad	Rhizobium (Liquid form) PSB (Liquid form) Zinc Sulphate	100 ml 100 ml 10 Kg	50 50 1000	6	16200	 Soil fertility status before and after Yield 	SMS (Soil Science) & SMS (Agronmy)
								Ferrous Sulphate	10 Kg	600			(Qtl/ha)	

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
								Gypsum	200 Kg	1000			• Test weight (gm)	
									Total	2700				
		Summer Groundn ut	High labour and time requirement in manual harvesting method Pod damage in harrowing method	Demonstr ation of Tractor operated Groundn ut Digger Cum Elevator	-	-	TNAU, Coimbato re	Tractor with Groundnut Digger Cum Elevator	2 hours	1200	10	12000	 Digging efficiency (%) Area coverage (Ha/h) Labour requirem ent (Man-h/ha) Saving in time and cost (%) Economi cs 	SMS (Ag. Engineering) & SMS (Agronomy)
6.4	Pulses	Green- gram	 Low yield due to cultivation of local varieties Incidence of Yellow Mosaic Virus 	Demonstr ation of DGGV-2 variety in Greengra m crop and easy facilitatio	DGGV-2	-	UAS, Dharwad	Seeds (DGGV-2) Rhizobium PSB Pulse Magic	5 Kg 200 gm 500 gm 2 Kg	30 100 550	30		 Plant height (cm) No. of pods per plant Yield (q/ha) 	SMS (Agronomy)

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
			and Pod	n of					Total	1180		35400		
			• Incidence of	machine harvestin				Paraquat (For 3 demos	1 ltr	1000		3000		
			Powdery mildew	g by shedding						2180		38400		
			 Seed shattering problem during harvesting Moisture Stress 	leaves at harvest through spray of Paraquat herbicide										
		Bengal gram	 Low yield in existing local 	Demonstr ation of	JAKI- 9218	-	UAS, Dharwad	Seeds (JAKI-9218)	20 Kg	1800			Plant height (cm)	SMS (Agronomy)
		3	varieties	ICM				Trichoderma	100 gm	40			No. of pods	& SMS
			 Incidence of 	practices				Rhizobium	500 gm	100			per plant	(Ag. Extn.)
			pod borer	in JAKI- 9218				PSB	500 gm	100	25	74750	Yield (q/ha)	
			 Incidence of wilt and rust 	variety of Bengalgr				Chickpea magic	1.5 Kg	550			Incidence of wilt (%)	
				am crop				Pheromone traps	4 No.	400				
									Total	2990				
		Bengal gram	Low productivity due to	Tractor operated compartm	-	-	UAS, Raichur	Tractor operated compartmen	1 hour Total	1000 1000			Yield (Qtls) Soil	SMS (Ag. Engg.)
			moisture stress	ental bund former				tal bund former (Hiring basis)			20	20000	moisture content (%)	

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
		Bengal gram	 Non profitability due to no nipping High labour and time consumption in hand nipping method 	Solar nipping machine	-	-	UAS, Raichur	Solar nipping machine	1 unit	9000	10	9000	 Yield (Qtls) No. of pods per plant Number of branches 	SMS (Ag. Engg.)
6.5	Commer													
6.6	cial crops Horticultu ral crops	Onion	• Low income due to	Demonst ration of	Bhima Super	-	ICAR- DOGR,	Bhima Super seeds	1 Kg	2500			Yield (Qtls)and	SMS (Horticulture),
			cultivation of	ICM in	-		Pune	Gypsum	66 Kg	330		38760	income	SMS (Ag.Engg.)&
			local varieties	Red onion				Vegetable Special	2 Kg	400		00700	(Rs./ha) • Pest (Nos.)	
			Double red &	variety				TOTAL		3230			anu	(30 30)
			Bellary red • High labour requirement	Bheema Super • Battery				Onion Detopper	1 Nos	3500	12	3500	disease incidence(%)	
			and drudgery of operation inmanualdeto pping of harvested onions	operated Onion detopper (ICM in Onion)									 Bulb weight (gms) Labour requireme nt for detopping (Nos.) 	
										Total		42260		
		Red Chilli	 Non- availability of quality and 	ICM in Byadgi Chilli	Byadgi Dabbi	-	IIHR, Bengalur u and	Pure seeds of Byadgi Chilli		3500	10	54200	Yield (Qtl/ha)Disease	SMS (Horticulture) & SMS
			quality and	9 711111			UHS,	Yellow / Blue	16	960			Discase	(Home

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
			pure seeds of Byadagi Dabbi • High				Bagalkot	sticky traps Arka Vegetable Special	2 Kg	400			index (%) • Pest incidence	Science)
			incidence of sucking					Beauveria bassiana	1 kg	280				
			pests leading to murdacompl					Lecanicilliuml ecanii		280				
		Vanata	ex disease & anthracnose disease • Lack of proper knowledge on ICM practices resulting in poor productivity and quality • Improper post-harvest management		Didness			Coods of	Total	5420			No. 1.1	CMC
	Horticultu ral crops	Vegeta bles	Low productivity and income	Introduction of new varieties in	Ridgego urd- Arka Prasan	-	IIHR, Bengaluru & UHS,	Seeds of Ridgegourd Dolichos	400 gm 4 Kg	1100 1500			Yield (Qtl/ha)Income	SMS (Horticulture)
			due to non- availability of	vegetable crops of	Dolichos		Bagalkot	Bean Spinach	2.5 Kg	950	10	59500	(Rs./ha)	
			improved	ICAR-IIHR,	Bean –			Radish	1 Kg	1200				

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
			vegetable varieties	Bengaluru& UHS, Bagalkot	Arka Amogh Spinach – Arka Anupama Radish – Arka Nishant Cucumb er- Arka Veera Drumstick - Bhagya			Cucumber Drumstick Vegetable Special TOTAL	40 gms 20 seedlings 2 Kg	400 400 400 5950				
		Ashwa gandha	 Non profitability in existing cropping pattern due to vagaries of Monsoon and lack of crop diversificatio n in field crops resulting in income 	FLD on introductio n of Ashwagan dha crop	Poshita	-	CSIR- CIMAP, Lucknow, UP	Seeds	4 Kg	1200	5	6000	•Yield (Qtl/ha) and economics •Root length&dia meter •Fresh and dry Root weight (gms)	SMS (Horticulture) & SMS (Ag. Extn.)

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
			insecurity to the farmers Lack of knowledge on alternate cropping system and crop diversificatio n to sustain vagaries of Monsoon											
		Ajwain	 Non profitability in existing cropping pattern due to vagaries of Monsoon and lack of crop diversificatio n in field crops resulting in income insecurity to the farmers Lack of knowledge 	FLD on introductio n of Ajwain crop	Ajmer Ajwain-1	-	ICAR- NRC on seeds spices, Ajmer, Rajastha n	Seeds	2 Kg	700	3		•Days taken for 50% flowering •Yield (Qtl/ha)	SMS (Horticulture) & SMS (Ag. Extn.)

on alternate cropping system and crop diversificatio not sustain vagaries of Monsoon. Sheep Low returns due to low body weight gain Milch Cattle Milch Ca	SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
due to low body weight gain due to low body weight gain Milch Cattle Milch Cattle Milch Calves Milch Calf starter Milch Calves Milch Calf starter Milch Calf sta				cropping system and crop diversificatio n to sustain vagaries of									(KS)		
Albendazole (30 ml) Milch Cattle Calves Milch Cattle Calves Milch Calves Milch Calves Milch Cattle Calves Milch Calf starter 9 Kg 2400 Albendazole (30 ml) Milch Calf starter 9 Kg 250 Milch Calf starter 9 Kg 2400 Milch Calf starter			Sheep	due to low body weight	of bypass protein and bypass fat with	-	-	,	supplement ation of bypass protein and	3 Kg	800	10	8500	weight gain Mortality	(Animal
Milch Cattle Delayed maturity in CB Calves Feeding of calf starter with deworming in CB calves to attain early maturity Cattle Ca					g in lambs to improve weight					1		10			
Cattle maturity in CB calf starter with deworming in CB calves to attain early maturity Bidar Albendazole (30 ml) Albendazole (30 ml) 26500 weight gain Age of maturity maturity (Animal Science)															
Calves with deworming in CB calves to attain early maturity						-	-	,	Calf starter	9 Kg	2400				Prog. Asst.
			Cattle	Calves	with deworming in CB calves to attain early			Bidar		5	250	10	26500	gain • Age of	
					inaturity					Total	2050				

SI. No.	Category	Crop/ enterpr ise	Prioritized problem	Technol ogy to be demonst rated	Name of variety	Na me of hyb rid	Source of technolo gy	Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of dem os	Total cost for the demo (Rs.)	Parameter s to be studied	Team members
6.8	Fisheries													
6.9	Others													
		Grain storage	Incidence of stored grain pest	Demonstr ation of Super grain bags	-	-	PCI Ltd, Bengaluru	Super grain bags	1 No. (50 Kg capacity)	150	40		 Percentag e of stored grain pest Shelf life 	SMSs (Home Science) & SMS (Ag. Extn.)
				f FLDs	237	403210								

7. Trainings for farmers/ farm women during 2023-24

SI.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	Natural Farming	Others	Natural Farming: A sustainable farming system under dryland condition	6	150	SMS (Agronomy) SMS (Soil science) SMS (Horticulture)
		Greengram	FLD	ICM practices in Greengram	2	50	SMS (Agronomy)
		Blackgram	OFT	ICM practices in Blackgram	2	40	SMS (Agronomy)
		Groundnut	OFT, FLD and Others	ICM practices in Groundnut	2	50	SMS (Agronomy) SMS (Soil Science)
		Maize	FLD	ICM practices in Maize	2	50	SMS (Agronomy) SMS (Soil Science)
		Cotton	OFT	ICM practices in Cotton	2	40	SMS (Agronomy)
		Bengalgram	OFT, FLD and Others	ICM practices in Bengalgram	2	50	SMS (Agronomy)
		Safflower	OFT, FLD and Others	ICM practices in Safflower	2	40	SMS (Agronomy) SMS (Soil Science)
		Wheat	Others	ICM practices in Wheat	2	40	SMS (Agronomy)

SI.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
							SMS (Soil Science)
		Rabi Sorghum	FLD and Others	ICM practices in Rabi Sorghum	2	50	SMS (Agronomy)
		All crops	Others	Reclamation of problematic soil	1	20	SMS (Soil science)
		Rain water harvesting	Others	Rain water harvesting	3	60	SMS (Soil science)
7.2	Horticulture production	Red Onion	FLD & Others	ICM in Red Onion crop	3	60	SMSs (Horticulture)& Soil Science)
		Chilli	FLD	ICM in Chilli crop	2	40	SMSs (Horticulture& Soil Science)
		Vegetable crops	FLD	ICM in vegetable crops	4	80	SMS (Horticulture)
		Dryland horticulture	Others	Promotion of dryland horticulture	2	40	SMS (Horticulture)
		Onion	FLD	Usage of pre and post emergent herbicides to reduce the cost of cultivation	1	20	SMSs (Horticulture & Agronomy)
7.3	Livestock production	Animal nutrition in Dairy animals	Others	 Promotion of fodder production technologies for getting higher milk productivity in dairy animals Silage preparation and its importance 	2	60	Programme Assistant (Animal Husbandry)
		Poultry birds	Others	Scientific management of poultry birds	1	20	Programme Assistant (Animal Husbandry)
		Sheep and goat	Others	Scientific management of Sheep and goat	2	50	ProgrammeAssistant (Animal Husbandry)

SI.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
7.4	Home Science	Nutrition	FLD	Importance of protective foods and Nutrition Garden	4	80	SMS (Home Science)
		Drudgery	Others	Drudgery reducing equipments	4	80	SMS (Home Science)
		Grain storage	FLD	Grain storage	4	80	SMS (Home Science)
7.5	Production of inputs at site	Organic input production & Organic farming	Others	Training on organic inputs production and usage in various crops	2	40	SMS (Soil Science)
7.6	Soil health and fertility	Soil health & fertility	Others	Soil fertility management in dryland / Irrigated areas	4	80	SMSs (Soil Science & Agronomy)
7.7	PHT and value addition	Value addition	FLD	Training on ICM in millet crops and importance of millets in diet and its value addition	4	120	SMSs (Home Science & Agronomy)
			Others	Training on Nutritional importance of flaxs seed and value addition	4	120	SMS (Home Science)
			EDP	Value added products, packing, marketing and licensing of millet / Chilli products	2	10	SMS (Home Science)
			Others	Preparation of Jam, mixed pickles and tomato products	4	80	SMS (Home Science)
7.9	Capacity building/ group dynamics	Multiple Income Generating Activities	Others	Empowerment of women SHGs through multiple IGAs	3	60	SMS (Home Science)
		Farmers' Interest Group	Others	Formation of FIG and Farmers Producer Organization	4	100	SMS (Ag. Extension)
		Farmers' Producer Organisation	Others	Business plan development for FPOs	2	40	SMS (Ag. Extension)

SI.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
		Integrated Farming System	Others	Integrated Farming System for FPO members	2	40	SMS (Agronomy & Ag. Extension)
7.10	Farm mechanization	Maize and Chickpea	OFT	Adoption of conservation agriculture practices in Maize-Chickpea cropping system	2	50	SMS (Ag. Engg.)& SMS (Agronomy)
		Chickpea	FLD	Use of compartmental bund former for moisture conservation	2	35	SMS (Ag. Engg.)& SMS (Soil Science)
			FLD	Operation of solar nipping machine	2	50	SMS (Ag. Engg.)& SMS (Agronomy)
		Summer Groundnut	OFT	Mechanization in Groundnut harvesting	2	40	SMS (Ag. Engg.)& SMS (Ag. Extn.)
		Bt. Cotton	OFT	Mechanized spraying in Bt. Cotton	2	75	SMS (Ag. Engg.)
		Onion	FLD	Drudgery reduction in Onion detopping operation	2	50	SMS (Ag. Engg.)& SMS (Horticulture)
7.11	Fisheries production technologies	Fisheries	Others	Fish farming	1	10	Programme Assistant (Animal Husbandry)& Officer of Fisheries Department
7.12	Mushroom production	Mushroom	Others	Mushroom cultivation	1	10	SMS (Home Science)
7.13	Agro forestry	Forestry crops	Others	Promotion of agro forestry for income security in dry land	1	20	SMS (Agronomy &Soil Science)
7.14	Bee keeping		Others	Bee keeping in Onion seed production plots	1	5	SMS (Horticulture) & Progressive farmers
7.15	Sericulture	Sericulture	Others	Quality production of Cocoons	1	10	SMS (Ag. Extension)& Dept of Sericulture officers

SI.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
7.16	Others, pl. specify	Artificial recharging of groundwater through borewell	Others	Technology on recharging of ground water through borewell	1	30	SMSs (Soil Science & Agronomy)
		All field crops	Others	Usage of Organic Manure & Green Manure crops to enhance moisture holding capacity	2	50	SMSs (Soil Science & Agronomy)
				Total	109	2355	

8. Training for rural youth during 2023-24

SI.No.	Thematic area and the crop/ enterprise	Crop / Enterprise	Related field intervention (EDP/Skill development etc)	Training title	No. of courses	Expected No. of participants	Names of the team members involved
8.1	Crop production	Integrated Farming Systems	Skill Development	Integrated Farming Systems: Holistic approach for sustained yields and viable economy	1	20	SMS (Agronomy) SMS(Soil science) SMS (Horticulture)
		Natural farming	Skill Development	Production of inputs for ecological health and benefits under Natural Farming	1	20	SMS (Agronomy) SMS(Soil science) SMS (Horticulture)
8.2	Horticulture production	Dryland Horticulture	Skill Development	Dryland Horticulture	1	10	SMS (Horticulture)
		Coconut	Skill Development	Use of Coconut tree climber for drudgery reduction	1	5	SMS (Ag. Engg.) SMS (Horticulture)
8.3	Livestock production	Dairy enterprise	Skill Development	Skill upgradation training on dairy management practices	4	100	Programme Assistant (Animal Husbandry)
		Poultry	Skill Development	Scientific management of poultry birds	1	25	Programme Assistant (Animal Husbandry)
		Sheep & Goat	Skill Development	Feed and endo-ecto parasite management in sheep and goat	2	40	Programme Assistant (Animal Husbandry)
8.4	Home Science	Health and Nutrition	FLD	Health, nutrition and importance of Nutrition Garden	4	100	SMS (Home Science)
8.5	Plant protection	Bt. Cotton	Skill Development	Different types of traps for management of pests in Bt.Cotton	1	15	SMS (Agronomy)
8.6	Production of inputs at site	Jeevamruta production	Skill Development	Jeevamruta preparation & usage	1	10	SMS (Soil Science)
8.7	Soil health and fertility	Soil health and fertility	Skill Development	Soil health enhancement in dryland area through Organic input production	1	10	SMS (Soil Science)

SI.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
8.8	PHT and value addition	Millets	EDP	Millet value addition	1	10	SMS (Home Science)
8.9	Capacity building/ group dynamics	All crops	Others	Entrepreneurship development in crops and enterprise	1	20	SMS (Ag. Extension)
8.10	Farm mechanization	All field crops	Skill development	Operation and maintenance of Tractor and Agricultural Machinery	1	15	SMS (Ag. Engg.)
8.11	Fisheries production technologies	Fisheries	Skill Development	Fish Farming	1	10	Programme Assistant (Animal Husbandry) & Officer of Fisheries Department
8.12	Mushroom production	Mushroom	Skill Development	Mushroom cultivation	1	10	SMS (Home Science)
8.13	Agro forestry	Forestry crops	Others	Promotion of agro forestry for income security in dry land	1	10	SMS (Soil Science)
8.14	Bee keeping	Bee keeping	Skill Development	Bee keeping in orchards	1	10	SMS (Horticulture)& Horticulture Department Officers
8.15	Sericulture	Sericulture	Skill Development	Production technology of mulberry crop	1	10	SMS (Horticulture)& Sericulture Department Officers
8.16	Others, pl. specify		Total		26	450	

9. Training for extension personnel during 2023-24

SI.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	ICM practices in different crops and cropping systems	1	25	SMS (Agronomy) SMS (Soil Science)
9.2	Home Science	and cropping systems			Civil Colli Colletion)
	Millets	Millet Nutrition			
	Nutrition	Nutrition Garden – It's importance and layout	8	250	SMS (Home Science)
9.3	Capacity building and group dynamics	Formation and functioning of Farmers' Producer Organisation	1	25	SMS (Ag. Extension)
9.4	Horticulture	Advances in horticulture crops	1	10	SMS (Horticulture)
9.5	Livestock production and management	Nutrition and disease management	1	30	Programme Assistant (Animal Husbandry)
9.6	Plant protection	IPM technologies for different crops	1	25	SMS (Agronomy)
9.7	Farm mechanization	Micro irrigation system for effective water management	1	25	SMS (Ag. Engg.) &SMS (Soil Science)
9.8	PHT and value addition	Value addition in agriculture and horticulture crops	1	20	SMS (Home Science)
9.9	Production of inputs at site	Organic input preparation	1	20	SMS (Soil Science)
9.10	Sericulture	-	-	-	-
9.11	Fisheries				
9.12	Other, pl. specify				
	Soil fertility	Importance of soil testing and soil fertility management	1	25	SMS (Agronomy) SMS (Soil Science)
	Natural farming	Crop production technologies in different crops under natural farming	1	25	SMS (Agronomy) SMS (Soil Science)
		Total	18	480	

10.Vocational trainings during 2023-24

SI.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	Integrated farming system models for different agroclimatic condition	1	3	25	KSDA	SMS (Agronomy)
10.2	Home Science	Food processing	1	3	20	RSETI / ATMA	SMS (Home Science)
10.3	Capacity building and group Dynamics						
10.4	Horticulture	Nursery management	1	3	15	-	SMS (Horticulture)
		Scientific management of dairy animals	2	10	60	RSETI, ASF, ZP etc	Programme Assistant (Animal Husbandry)
10.5	Livestock production and management	Scientific management of sheep and goat	2	10	50	AH & VS Dept., ASF, ZP etc	Programme Assistant (Animal Husbandry)
		Scientific management of poultry birds	1	10	30	AH & VS Dept., ASF, ZP etc	ProgrammeAssistant (Animal Husbandry)
10.6	Plant protection	Pest and disease management in field crops	1	3	25	KSDA	SMS (Agronomy)
10.7	Farm mechanization	Renewable energy based gadgets	1	3	30	-	SMS (Ag. Engg.)
10.8	PHT and value addition	Value addition in Agriculture and Horticulture crops	1	3	20	ATMA	SMS (Home Science)
10.9	Production of inputs at site						
10.10	Sericulture						
10.11	Fisheries						
10.12	Other, pl. specify		_				
	Small scale processing and value addition	Operation and maintenance of machinaries for primary processing of seeds	1	2	30	-	SMS (Ag. Engg.)
		Total	12		305		

11.Sponsored trainings during 2023-24

SI.No.	Thematic area and the crop/ enterprise	Training title	No. of programmes	Duration (days)	Expected number of participants	Sponsorin g agency	Names of the team members involved
11.1	Crop production	Production technology for Kharif and Rabi crops	2	2	50	KSDA	SMS (Agronomy& Soil Science)
44.0	Home Science	Krishi Sakhi	4	6	120	KSRLM	SMS (Home Science)
11.2		Solid waste management	4	5	120	KSRLM	SMS (Home Science)
11.3	Capacity building and group Dynamics						,
11.4	Horticulture						
11.5	Livestock production and management						
11.6	Plant protection						
11.7	Farm mechanization	Mechanization in field crops	1	7	35	ATMA	SMS (Ag. Engg.& Agronomy)
11.8	PHT and value addition	Value addition to agriculture crops	1	1	40	KSDA	SMS (Home Science)
		Value addition to horticulture crops	1	1	40	KSDH	SMS (Home Science)
11.9	Production of inputs at site	'					,
11.10	Sericulture						
11.11	Fisheries				-		
11.12	Others, pl. specify						
		Total	13		405		

12. Extension activities during 2023-24

SI.No.	Extension activity	No. of activities	Targeted numberof participants	Names of the team members involved
12.1	Advisory services	1500	1500	All staff
12.2	Diagnostic visits	20	50	SMSs(Agronomy& Horticulture)
12.3	Field days	12	1000	All staff
12.4	Group discussions	10	150	All staff
12.5	Kisangosthies	2	200	All staff
12.6	Film shows	10	410	All staff
12.7	Self -Help Groups (SHGs) meetings	10	200	SMS (Home Science)
12.8	KisanMelas	1	400	SMS (Ag. Extension)
12.9	Exhibitions	3	12000	All staff
12.10	Scientists' visit to farmers' fields	200	900	All staff
12.11	Plant/soil health/animal health camps	5	450	All staff
12.12	Farm science club meetings (FIG/FPO)	5	150	SMS (Ag. Extension)
12.13	Ex-trainees sammelanas (Meetings)	2	100	SMS (Ag. Extension)
12.14	Farmers' seminars/workshops	2	250	SMS (Ag. Extension)
12.15	Method demonstrations	30	950	All staff
12.16	Celebration of important days	10	1000	All staff
12.17	Special day celebrations	1	100	All staff
12.18	Exposure visits	10	300	All staff
12.19	Technology week celebration	1	2500	All staff
12.20	Farm innovators' meet	1	20	SMS (Ag. Extension)
12.21	Awareness programmes	30	1500	SMS (Ag. Extension)
12.22	Pre-kharif campaign	10	300	SMS (Agronomy)
12.23	Pre-rabi/summer campaign	10	355	SMS (Agronomy)
12.24	Others, pl. specify			
12.25	Lectures delivered as resource persons	15	2500	All staff
	News paper coverage	35	-	All staff
	Radio talks	40	-	All staff
	TV Talks	3	-	All staff

SI.No.	Extension activity	No. of activities	Targeted numberof participants	Names of the team members involved
	Popular articles	5	-	All staff
	Bi-monthly meeting	5	50	All staff
	Animal health camp	2	100	Programme Assistant (Animal Husbandry)
	Total	1990	27435	

13. Activities proposed as knowledge and resource centre during 2023-24

13.1 Technological knowledge

SI. No.	Category	Details of technologies	Area (ha)	Number	Names of the team members involved
13.1.1	Technology park/ crop cafeteria	Agri-Horti system	1	-	SMS (Agronomy and Horticulture) & Farm Manger
		 Nutri-cereals cafeteria (Foxtail millet, Little millet, Browntop millet and Pearl millet) 	0.4	-	SMS (Agronomy) & Farm Manger
		Natural farming	0.4	-	SMS (Agronomy, Horticulture and Soil Science) & Farm Manger
13.1.2	Demonstration units	Value addition in Amla, Mango, Tamarind etc.	-	500 farmers/ farm women visit to the units	SMS (Home Science)
		Mixed orchard of fruit crops – Mango & Cashew	8 ha.	1000 farmers/farm women visit to orchards	SMS (Horticulture)
13.1.3	Lab analytical	Soil, water & plant testing	-	1000 samples	SMS (Soil Science)
	services	Identification of pest and disease	-	100 samples	SMS (Agronomy & Horticulture)
13.1.4	Technology week	Technologies relevant to Gadag district	-	8000-10000 farmers/farm women	All staff
13.1.5	Others, PI. specify				

13.2 Technological products

SI. No.	Category	Name of the production partner agency, if any	Name of the product	Quantity planned to be produced during 2023-24 (q)	Number planned to be produced during 2023-24	Names of the team members involved
13.2.1	Seeds	Farmers' FPOs	Onion	5	-	SMS(Horticulture) & Farm Manager
		Farmers' FPOs	Greengram	20	-	
		Farmers' FPOs	Redgram	5		
		Farmers' FPOs	Bengalgram	30		SMS(Agronomy) &
		Farmers' FPOs	Safflower	20		Farm Manager
		Farmers' FPOs	Rabi Sorghum	10		
13.2.2	Planting material		Mango	-	500	
			Tamarind	-	500	SMS(Horticulture) &
			Cashewnut	-	1000	Farm Manager
			Fodder crops / fodder slips	-	50000	Programme Assistant, (Animal Science) & Farm Manager
13.2.3	Bio-products		Vermicompost	250	-	
			Vermiwash	600 lit	-	SMS(Soil Science) &
			Earthworms	2.0	-	Farm Manager
			Azolla	1.0	-	
13.2.4	Livestock strains		Calves	-	2	Programme Assistant,
			Lambs	-	4	(Animal Science) &
			Kids	-	8	Farm Manager
13.2.5	Fish fingerlings					
13.2.6	Any other, pl		Pickles	4		
	specify				<u> </u>	SMS (Home Science)
			Amla products	1	-	& Farm Manager

13.3 Technological information

	Category	Technological capsules / Number	Names of the team members involved
13.3.1	Technology backstopping to line departments		
		 Role of macro & micro nutrients in crop production In-situ soil & water conservation practices Natural farming practices Pod borer identification and management in Greengram 	SMS (Soil Science)
	Agriculture	 Pou borer identification and management in Greengram Identification and management of different sucking pests in Cottton Identification and management of different boll worms in Cottton Black arm and Alternaria leaf spot management in Cotton Nutrient management in Maize Chemical weed management in Maize Identification and management of Armyworm in Maize Identification and management in Maize Identification and management of leaf minor and leaf spot in Groundnut Management of Root grub in Groundnut Management of Tikka disease in Groundnut Podborer and wilt management in Bengalgram Low cost technologies to increase productivity in Bengalgram Management of Capsule borer and Leaf spot in Safflower Management of Necrosis and RHHC in Sunflower Management of Powdery mildew and pod borer in Blackgram Stem borer, termites, rust and leafspot management in Wheat Seed priming with CalCl2 for Rabi Sorghum Shoot fly, stem borer and army worm management in Rabi Sorghum Organic input production technologies Contingent crop planning Natural Farming Foliar spray of KNO3 for drought tolerance Use of nano-fertlizers as foliar spray in different crops 	SMS (Agronomy)

Category	Technological capsules / Number	Names of the team members involved
	 Chemical weed management Seed priming with CaCl₂ for Rabi Sorghum 	
	 Opening of conservation furrow for moisture conservation Compartment bunding for soil moisture conservation Nipping in Bengalgram&Redgram and its importance 	SMS (Agronomy)
	 Contingent crop planning Foliar spray of KNO₃ for drought tolerance 	
Horticulture	 Onion thrips and purple blotch identification and management Chillimurda complex identification and management Weed management in Onion Nutrient management in fruit crops Orchard management in Cashew crop Chilli pest and disease management Mango pest and disease management Ashwagandha crop as boon for drought proofing 	SMS (Horticulture)
Agricultural Engineering	 Mechanization in field crops Use of suitable machineries for mechanized operations in orchard crops Farm machineries for small and marginal farmers Standard operating practices of dangerous farm machineries to avoid injuries Operation and maintenance of tractors and other agricultural machinery for enhancing useful life Management of natural resources through resource conserving machinery Renewable energy applications in agriculture Soil and water conservation practices in problematic fields 	SMS (Ag. Engg.)
Animal Husbandry	Scientific Dairy Management technologies	Programme Assistant (Animal Husbandry)
Fisheries	Fish rearing in Tanks	Programme Assistant (Animal Husbandry)
Others, pl. specify	Nutrition &importance of Nutri-Garden	SMS (Home Science)

	Category	Technological capsules / Number	Names of the team members involved
		<u>Leaflets</u>	
		Scientific Dairy Management	Programme Assistant (Animal Husbandry)
		Soil & water conservation measures for dry land agriculture	SMS (Soil Science) & SMS (Agronomy)
		Value added products of millets	SMS (Home Science)
13.3.2	Literature/publication	Leaflets • Dryland agriculture practices for higher productivity • Production technologies in different crops √ Maize √ Greengram √ Blackgram √ Cotton ✓ Groundnut ✓ Bengalgram ✓ Safflower ✓ Rabi Sorghum ✓ Sunflower ✓ Wheat Krishi Vigyan Patrike • Improved Crop Management practices in different crops ✓ Maize ✓ Greengram ✓ Blackgram ✓ Cotton ✓ Groundnut ✓ Bengalgram ✓ Safflower ✓ Rabi Sorghum ✓ Safflower ✓ Rabi Sorghum ✓ Sunflower ✓ Rabi Sorghum ✓ Sunflower ✓ Rabi Sorghum ✓ Sunflower	SMS (Agronomy)

Category	Technological capsules / Number	Names of the team members involved
	 Leaflets Modern farm equipment for higher productivity Energy efficient farm machineries for efficient field operations Drudgery reducing small farm equipment for farm women Resource conserving technologies for enhanced profitability Use of renewable energy sources in agricultural operations Importance of micro irrigation systems in varied cropping systems Technologies for <i>in-situ</i> conservation of rain water 	SMS (Ag. Engg.)
	 Krishi Vigyan Patrike Importance & methods of soil and water testing Soil & water conservation measures Alternate land use systems Role of nutrients for higher production 	SMS (Soil Science)
	 Production technologies in Onion Tips on cultivation of onion &chilli Weed management in onion Onion seed production technology Mango orchard management Nutrient management in Mango Post harvest management in Mango 	SMS (Horticulture)
	 Spiral separator Importance of value addition in millets Drudgery reducing equipments Solar dryer 	SMS (Home Science)
	 Compartment bunding for moisture conservation Production technology of Maize Paired row method of sowing in Groundnut Integrated nutrient management in Groundnut Wider row method of sowing in Sunflower Foliar spray of boron for seed setting in Sunflower Detopping and its importance in Bengalgram Paired row method of sowing in Rabi Sorghum CaCl₂ seed priming & its importance in Rabi Sorghum 	SMS (Agronomy)

	Category	Technological capsules / Number	Names of the team members involved
		Demonstration on enrichment of dry fodder and azolla cultivation	Programme Assistant (Animal Husbandry)
13.3.3	Electronic Media	Natural farming	SMS (Agronomy)& SMS (Soil Science)
		Millets and its value addition	SMS (Home Science)
		Soil Science aspects – 6 Nos.	SMS (Soil Science)
	Kisan Mobile Advisory Services	Home Science aspects – 10 Nos.	SMS (Home Science)
		Horticulture crop – 10 Nos.	SMS (Horticulture)
13.3.4		Field crops – 20 Nos.	SMS (Agronomy)
		Animal Science aspects – 15 Nos.	Programme Assistant (Animal Husbandry)
		Market information, Input availability & other messages – 20 Nos.	Programme Assistant (Computers)
13.3.5	Information on centre/state sector schemes and service providers in the district (Data may be collected from different agencies).	One booklet on both Centre and State Sector Schemes and Service Providers	SMS (Ag.Extension)

14. Additional activities planned during 2023-24

SI.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs. in lakh.)	Names of the team members involved
1	Nutri Garden	Nutritional security through Nutri garden	25	0.25	SMS (Home Science)
	CFLDs on Pulses and	CFLDs in Greengram	20 Ha	1.80	SMS (Agronomy)
2		CFLDs in Bengalgram	20 Ha	1.80	SMS (Agronomy)
	Oilseeds	CLFDs in Summer Groundnut	20 Ha	2.40	SMS (Agronomy)

Details of Nutri Garden

Nutri Garden for year round nutritional security among farm families

<u>Village</u>: Halligudi (Mundaragi), Asundi (Gadag), Akkigund(Laxmeshwar) & Muganur (Naragund)

Problems	Technology to be demonstrated
 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 	 Production of vegetables Planting of perennial nutritious plants Introduction of super foods like Chia and grain amaranth

Critical inputs	Qty / Demo	Cost / Demo	No. of Demo	Total cost (Rs.)	Parameters
Seeds & seedlings (Lime-Kagzi, Drumstick-Bhagya, Papaya-Solo, Curry leaf- Suhasini, Guava-Lucknow 14 & Apple Ber)	02 unit	400	25 25000		 Quantity of vegetables produced (Kg) Economics Percent adequacy of vegetables
Vegetable seeds (Brinjal, Okra, Beans, Cucumber, Tomato, Chilli, Beetroot, Carrot, lvy gourd etc.)	200 gms	250			
Leafy vegetables (Amaranthus, Palak, Dil, Coriander, Methi, Rajagiri etc.)	100 gms	250			
Bio-fertilisers	1 Kg	100	=		vegetablee
	Total	1000			

Entrepreneurship Development Programme

EDP on popularization and branding of millet products / chilli products

<u>Village</u>: Halligudi (Mundaragi), Asundi (Gadag), Akkigund (Laxmeshwar) & Muganur (Naragund)

Problems	Technology to be demonstrated
Lack of awareness on marketing and value addition of millet products / chilli products	 Demonstration of millet value added products – Millet Roti, Sandige & Papad Demonstration of value added products of chilli – Masala Chilli, Chilli powder & Methi Chillies Packing, labelling and food licensing

Critical inputs	Qty / Demo	Cost / Demo	Total cost (Rs.)	Parameters
Sealing machine	2	6000		Quantity of
Food licensing	2	1000		millet / chilli
Food labels and packaging materials	2000	23000	30000	products produced (Kg)
	Total	30000		• Economics

14. CFLD (CLUSTER FRONT LINE DEMONSTRATIONS)

i) Pulses:

SI. No.	Name of the crop	No. of demonstrations	Area (ha)				
	Kharif 2022-23						
1	Greengram	125	50				
	Rabi 2022-23						
2	Bengalgram	125	50				
	Total	250	100				

ii) Oilseeds:

SI. No.	Name of the crop	No. of demonstrations	Area (ha)			
	<u>Summer 2022-23</u>					
1	Groundnut	50	20			

15. Revolving fund

15.1Financial status of revolving fund

Opening balance as on 01.04.2022 (Rs.in Lakh)	Expenditure incurred during 2022-23 (Rs.in Lakh)	Receipts during 2022-23 (Rs.in Lakh)	Closing balance as on 31.03.2023 (Rs.in Lakh)
6.39	30.02	30.64	7.01

15.2 Plan of activities under revolving fund during 2023-24

SI.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1	Production of pickles and amla products	2Qtls	50000	SMS (Home Science) & Farm Manager
2	Onion seed production	5Qtls	250000	SMS (Horticulture) & Farm Manager
3	Greengram	15Qtls	90000	SMS (Agronomy) & Farm Manager
4	Bengalgram	20 Qtls	110000	SMS (Agronomy) & Farm Manager
5	Safflower	20 Qtls	100000	SMS (Agronomy) & Farm Manager
6	Rabi Sorghum	10 Qtls	30000	SMS (Agronomy) & Farm Manager
7	Mango grafts	500 Nos.	10000	SMS (Horticulture) & Farm Manager
8	Tamarind grafts	500 Nos.	8000	SMS (Horticulture) & Farm Manager
9	Amla seedlings	1000 Nos.	20000	SMS (Horticulture) & Farm Manager
10	Fodder crops	30000 Nos.	30000	Programme Assistant (Animal Science) & Farm Manager
11	Vermicompost production	15 ton	45000	SMS (Soil Science) & Farm Manager
12	Vermiwash	250 liters	10000	SMS (Soil Science) & Farm Manager
13	Earthworms	2 Qtls	20000	SMS (Soil Science) & Farm Manager
14	Milk production	3500 liters	122500	Programme Assistant (Animal Science) & Farm Manager
15	Lambs	4	6000	Programme Assistant (Animal Science) & Farm Manager
16	Kids	8	12000	Programme Assistant (Animal Science) & Farm Manager

16. Activities of soil, water and plant testing laboratory during 2023-24

SI.No.	Type of samples	No.of samples to be analyzed	Names of the team members involved
16.1	Soil test using analytical lab	1000	SMS (Soil Science)
16.2	Soil test using mobile analysis kit	300	SMS (Soil Science)
16.3	Water	500	SMS (Soil Science)
16.4	Plant	60	-
16.5	Others, pl. specify		

17. E-linkage during 2023-24

SI. 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	Millets (February 2024)	
17.2	Creation and maintenance of relevant database system for KVK	Entering data every week	Already maintained
17.3	Any other (Please specify)		
	KVK Knowledge network portal	Updating events every week	-
		Updating MPR and AE MPR every month	

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

SI. No	Activities planned	Remarks if any
1	Training to farmers and farm women on rain water harvesting	-
	(4programmes, 120 participants)	
2	Training to extension functionaries on rain water harvesting (1 programme, 25 participants)	-
3	Facilitation for rain water harvesting through borewell and openwellsfor ground water recharging	-
	(3 Nos.)	

19. Farmers Field School (FFS) planned:

Thematic area	Title of the FFS	Budget proposed in Rs.
-	-	-

20. Integrated Farming System(IFS) planned: NIL

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

21.Details of budget utilization (2022-23)

(Rs.)

				(RS.)		
S.No.	Particulars Particulars	Sanctioned	Released	Expenditure		
A. Recurring Contingencies						
1	Pay & Allowances	20573000	20573000	20572955		
2	Traveling allowances	195000	195000	195000		
3	Contingencies					
Α	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	395000	395000	395000		
В	POL, repair of vehicles, tractor and equipments	475000	475000	475000		
С	Meals/refreshment for trainees (Ceiling upto Rs.40/day/trainee be maintained)	142000	142000	142000		
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	30000	30000	30000		
E	Frontline demonstration except oilseeds and pulses (Minimum of 30 demonstration in a year)	455000	455000	455000		
F	On Farm Testing (On need based, location specific and newly generated information in the major production systems of the area)	145000	145000	145000		
G	Training of Extension Functionaries	25000	25000	25000		
Н	Extension activities	125000	125000	125000		
1	Farmers' Field School	30000	30000	30000		
J	EDP / Innovative activities	30000	30000	30000		
K	Maintenance of buildings	150000	150000	150000		
L	Establishment of Soil, Plant & Water Testing Laboratory and issue of Soil Health Cards	50000	50000	50000		
М	Nutri Garden	25000	25000	25000		
N	Library Maintenance	25000	25000	25000		
	TOTAL (A)	22870000	22870000	22869955		
B. Non-F	Recurring Contingencies					
1	Equipments including Furniture (IT)	300000	300000	300000		
2	Vehicle (Four wheeler)	900000	900000	900000		
3	SCSP Prgoramme	270000	270000	270000		
TOTAL (B)		1470000	1470000	1470000		
C. REVOLVING FUND		0	0	0		
	GRAND TOTAL (A+B+C)	24340000	24340000	24339955		

22.Details of Budget Estimate based on proposed action plan(2023-24)

SI.No.	Particulars	BE 2023-24 proposed (Rs.)
22.1	(A). REVENUE (Recurring Contingencies)	
21.1.1	Pay & Allowances	22375000
22.1.2	Traveling allowances	250000
22.1.3	Contingencies	
22.1.3. <i>a</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	500000
22.1.3. <i>b</i>	POL, repair of vehicles, tractor and equipments	450000
22.1.3. <i>c</i>	Food/refreshment for farmers / extension personnel @ Rs.150/person/day	150000
22.1.3. <i>d</i>	Training material (need based materials and equipments for conducting the training)	100000
22.1.3.e	Frontline demonstrations	403210
22.1.3.f	On farm testing (OFTs)/Technology Assessment	100250
22.1.3. <i>g</i>	Integrated Farming System (IFS) (Min. 5 Units)	0
22.1.3. <i>h</i>	Training of extension functionaries	100000
22.1.3. <i>i</i>	Extension activities/services	150000
22.1.3. <i>j</i>	Farmers' Field School	0
22.1.3. <i>k</i>	EDP (2 Nos.) / innovative activities	30000
22.1.3./	Soil &water testing & issue of soil health cards	200000
22.1.3. <i>m</i>	Maintenance of building	250000
22.1.3. <i>n</i>	Library (Purchase of Journals, Periodicals, News Papers& Magazines)	25000
22.1.3.0	Nutri Garden	25000
	Total Recurring (A)	25108460
22.2	(B). CAPITAL (Non-Recurring Contingencies)	
22.2.1	Equipments& Furniture	1000000
22.2.2	Works(Hostel building repair works)	1500000
22.2.3	Vehicle (Tractor and Two Wheeler)	1100000
22.2.4	Library	100000
	Total Non Recurring (B)	3700000
	Grand Total (A + B)	2,88,08,460