Phone & Fax: 08532-220196 **e-Mail: kvkraichur@gmail.com**

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

ICAR-KRISHI VIGYAN KENDRA, RAICHUR

P.B. No.329, UAS CampusRaichur

भाकृअनुप ICAR

NO: SSH/ KVK/ RCR/ /2024-25 Date: 05.06.2024

Office Order

The following are the OFT, FLD and EDP programmes allotted to Scientist for the year 2024-25 as per the approved list from ATARI . Hence I am requesting you to carry out the same and include in the progress report during monthly work done report.

1. Technology Assessment during 2024-25

SN	Title	Crop Category	Crop Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)		Implementing staff	Village Name
1	2	4	5	7	8		9	10			
01	Assessment of planting methods in pigeonpea under rainfed condition	Pigeonpea	Kharif / Rabi	Irrigated	To reduce the drudgery	1.2	02	Local JG-11 GBM-2 Phule Vikram NBeG-776	625 250 875 x 2	Senior scientist & Head Scientist (Entomology)	Kalamala cluster
								Total amount	**1750**		
02	Assessment Of Fusarium Wilt Resistant Chickpea Variety	Chickpea	Kharif	Irrigated	Wilt Incidence, Low Yield and Moisture Stress		05	JG-11 Super Annigeri-1 Phule Vishwaraj	1000 1100 2200 x 5	Senior scientist & Head Scientist (Entomology & Horticulture)	Sirawara cluster
								Total amount	**10,500**		

2. Frontline Demonstrations during 2024-25

Sl. No	Title	Critical Inputs Provided & Total Amount	No. Trails	Parameter	Village Name	Implementing staff	
01	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	Mepiquat Chloride	1500	05	Plant height, No. of male and female flower ratio, Number of marketable fruits per plant, Yield per vine & Yield (q/ha)	Chandrabanda cluster	Scientist (Horticulture, Plant protection & Home science)
		Total amount	**1500 x 5=7,500**				
02	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	Azospirilum - 2 kg PSB - 2 kg KMB - 2 Kg Humic acid - 500 ml	300 300 300 350	05	Plant height, Plant spread, Diameter of the flower, keeping quality, yield (q/ha) and Economics	Yergera cluster	Scientist (Horticulture, Plant protection & Home science)
		Total amount	**1250 x 5 =6250**				
03	Demonstration of Arka Microbial Consortia in Chilli	Arka Microbial Consortia: 2 L	1200	20	% Wilt incidence in nursery and main field, yield (q/ha)	Devadurga	Scientist (Horticulture, Plant protection & Home science)
		Total amount	**1250 x 5 =6250**				
04	Integrated Crop Management in Mango	Arka Mango special -30Kg Cue lure traps - 5kg Sealer and healer - 10 Nos. Imidachloprid - 2kg Wettable sulphur – 250 ml	750 1250 600 700 500	05	Yield, fruit fly incidence, leaf hopper and PM incidence	Yapaladinni	Scientist (Horticulture, Plant protection & Home science)
		Total amount	**1250 x 5 =6250**				
05	Integrated Crop Management in Betelvine	Trichoderma - 2Kg AMC - 5kg Streptocycline - 500g Hexaconozole - 1kg Metalaxyl + Mancozeb :1kg Soil analysis - 2	300 750 1200 800 1750 400	05	Wilt incidence(%) and yield	Elebichali	Scientist (Horticulture, Plant protection & Home science)
		Total amount	**1250 x 5 =6250**				

06	Demonstration of sulphur application for increased pungency and yield in onion	Sulphur - 5 kg Soil analysis -2	3000 500	05	Soil nutrient status before and after harvest (NPK), % Pest & disease incidence, Yield & Economics	Palkamdoddi / Arkera	Horticulture, Plant protection & Home science
		Total amount	**1250 x 5 =6250**				
07	Demonstration of Dolichos Bean Cultivation in Mango Orchard for soil health managements	Arka Prasiddi seeds : 1kg Soil analysis : 2 samples	1250 500	10	Number of cobs/plant Disease incidence (%) Yield (q/ha) and Economics	Chandrabanda cluster	Horticulture, Plant protection & Home science
		Total amount	**1750x 10=17500**				
08	Demonstration of marigold hybrid Arka Abhi for higher productivity	Arka Abhi seeds : 50 g.	7600	05	Flower duration, flowers per plant, yield/ha, shelf life, % of pest and disease incidence, Economics	Sirwara cluster	Horticulture, Plant protection & Home science
		Total amount	**7600 x 5=38000**				
09	Demonstration of ridge and furrow cultivation in Pigeonpea	CaCl2 : 20 g PSB : 200 g Rhizobium : 200 g Soil Analysis : 2	100 200 200 400	10	No. of fruit flies trapped Malformed fruits Yield	Lingasugur	SSH, Scientist (Entomology), Scientists (Horticulture &PFE)
		Total amount	**900 x 10 = 9000**				
10	Introduction of soybean variety DSb-34	Seeds : 25kg Rhizobium : 200 g PSB : 200 gm	2500 50 50	10	No. of pods per plant No. of larvae per plant Yield Economics	Lingasugur, Sirawara	SSH, Scientist (Entomology), Scientists (Horticulture &PFE)
		Total amount	**2600 x 10 =26000**				
11	ICM in improved Green gram variety TRCRM-147	Seeds : 5 kg PSB : 200 g Rhizobium : 200 g	1200 200 200	10	Number of pods per plant, Yield and Economics	Raithnagar Camp	SSH, Scientist (Entomology), Scientists (Horticulture &PFE)
		Total amount	**1600 x 10 = 1600**				

12	Demonstration of sunflower Hybrids for higher yield	RSFH-700 : 2kg KBSH-53 : 2kg		1200 1200	05	Plant Height at harvest (m), Days to maturity , Head Size (cm), No. leafhopper, whitefly per leaf, No. of larvae per head, PDI , Yield and Economics	Lingasugur, Maski	SSH Scientist (Entomology)
	Total Amount			**2400 x 5 =12000**				
13	Integrated Pest and Disease (wilt) management in Chilli	Sorghum seeds Imidacloprid (60 Fs) Yellow & Blue sticky traps Pheromone traps with lures Neem cake Neem based insecticides Trichoderma viridae Pseudomonas flourescens Lecanicillium lecani Beavaria bassiana Thiophanate methyl Difenthiuron Soil Analysis	1 kg 5 ml 40 Nos 02 Nos. 2 qtl 800ml 2 kg 2 kg 2 kg 2 kg 250 g 250 g 2	300 200 2400 260 1000 550 300 300 300 300 400 1500 400	10	Affected leaves per plant (murda complex), Black thrips/flower Moth catches in traps (Spodoptera litura) PDI (wilt) & Yield	Bumanagunda/Ibrahimdoddi	Scientist (Entomology), SSH, Scientist (Horticulture) & Scientist (PFE)
	Total amount			**7130 x 10 = 71,300**				
14	Integrated Pest and Disease management in Groundnut	*Trichoderma viridae* Hexaconazole Pheromone traps Yellow sticky traps *Metarhizium rileyi* PSB Soil Analysis	1 kg 400g 05 No 10 No 2 kg 2 kg 2	150 500 250 400 300 250 400	10	% leaf damage at 45 DAS Moths trapped/week PDI Yield	Adakalaguddа	Scientist (Entomology), SSH, Scientist (Horticulture) & Scientist (PFE)
	Total amount			**2250 x 10 = 22500**				
15	Integrated management of Shoot & fruit borer in Brinjal	Water traps Neem oil Trichogramma chilonis	20 800 ml 5 cards 500 ml	1400 550 150 265	10	% shoot damage (includes clipped shoot count) % fruit damage	Athkur, Tq. Raichur	Scientist (Entomology), SSH, Scientist

		Imidacloprid 17.8 SL Soil Analysis	2	400		Moths trapped/week Yield		(Horticulture) & Scientist (PFE)
	Total amount			**2765 x 10 = 27650**				
16	Management of pinworm and blight in Tomato	Azoxostrobin 23 SC 1 ml/l Pheromone traps Metarim 75 3.3 g/l Pseudomonas flouresens Neem oil Soil Analysis	100 ml 15 No 330 g 1 kg 800 ml 2	750 900 850 150 550 400	10	Moths trapped/week PDI Yield	Chandrabanda cluster	Scientist (Entomology) Scientist (Horticulture) & Scientist (PFE)
	Total amount			**3600 x 10 = 36000**				
17	Management of fruitfly using plant volatiles in ridgegourd	Plant volatile Cue lure traps Neem Oil Soil Analysis	6 5 800 ml 2	90 625 500 400	10	No. of fruit flies trapped Malformed fruits Yield	Chandrabanda	Scientist (Entomology), Scientist (Horticulture) & Scientist (PFE).
	Total amount			**1615 x 10 = 16150**				
18	Integrated management of Pink bollworm in Bt cotton	Yellow sticky traps Neem oil SPLAT Dinetofuron Soil Analysis	20 nos. 1 liter 03 no. 250 g. 2	1200 600 4350 1250 400	10	No. of rosette flowers / plant, No. of larvae present in 20 unopened bolls, No. of bad opened bolls per plant and yield	Sirwara cluster	Scientist (Entomology), Scientist (PFE) & SSH.
	Total amount			**7800 x 10 = 78000**				
19	Integrated Pest Management in Pigeonpea	Sorghum seeds Pheromone traps with lures Neem based insecticides Bio agents Rynaxpyr (Chloranthriniliprole) Profenophos Thiamethoxam Soil Analysis	**100 g** 2 Nos. 800 ml 2 kg 60 ml 1000 ml 100 g 2	20 260 550 300 1050 750 450 400	10	Observations on pod borer, maruca and pod fly, damaged pods per plant, number of moths/trap and Yield	Anagi, Kavithal	Scientist (Entomology) & SSH.
		Total amount		**3780 x 10 = 37800**				

20	Integrated Management of *Helicoverpa armigera* in Chickpea	Sunflower seeds Sorghum seeds Pheromone traps with lures Neem based Insecticides Bio-agents	100 g 100 g 02 Nos. 800 ml 2 kg	20 20 260 450 300	10	Damaged pods per plant Number of moths/trap Yield	Pathapur, Sirwar	Scientist (Entomology), Scientist (PFE) & SSH.
		Total amount		**1050 x 10 = 10500**				
21	Demonstration of Improved Backyard poultry "Gramapriya" for doubling of farmers income	Gramapriya Chicks	12 No chicks	1680	10	Survivality %, egg production/year egg weight in gms B:C ratio	Saidapur, Yadrami & yadaga, Sedam	SSH & Scientist (Home science)
		Total amount		**1680 x 10 = 16800**				
22	Demonstration of tractor operated cotton shredder for cotton stubble management	Tractor operated cotton shredder		2000	10	Time saving, Cost analysis	Purthipli	Scientists (PFE, Horticulture & Plant protection)
		Total amount		**2000 x 10 = 20000**				
23	Popularization of tractor operated baler for paddy straw management	Tractor operated baler		1500	10	Time saving, Cost analysis	Jakkaladinni	Scientists (PFE and Horticulture)
		Total amount		**1500 x 10 = 15000**				
24	Demonstration of Nutri-Farms for Year Round Nutrition Security	Vegetable Seed kit, vermicompost, AMC, Neem oil		60,000	10	Total production of vegetable, Daily utilization of Vegetables in diet, Assessment of height and weight of children	2 FPO	Scientists (PFE/Horticulture)
		Total amount		**6000 x 10 = 60000**				

Note: Selection of the farmers' as per the reservation of government rules

Entrepreneur Development Programmes (EDP)

Sl. No.	Particulars	Inputs	Quantity/ Number	Amount	Implementing staff
01	Strengthening of FPO's through EDP on processing and value addition of Honey	Hands on training to FPO members	2 FPO	10,000/-	Scientists (PFE, Horticulture and Entomology)
		Bee box (5) , Safety kit, Extraction unit		40,000/-	
		Branding, Registration, Packaging and Miscellaneous		10,000/-	
			Grand total	**60,000/-**	

Senior Scientist & Head
KVK, Raichur

To,

1. Copy submitted to the Director of Extension, UAS, Raichur for kind information.
2. Copy to the following concerned scientists.
   a. Dr. Hanumanthappa Shrihari, Senior Scientist & Head
   b. Dr. Hemalatha K.J., Scientist (Horticulture).
   c. Dr.Shreevani, G.N., Scientist (Agril. Entomology)
3. Office copy