Phone & Fax: 08532-220196 **e-Mail: pckvkraichur@uasraichur.edu.in**

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR

ICAR-KRISHI VIGYAN KENDRA, RAICHUR

P.B. No.329, UAS CampusRaichur

NO: SSH/ KVK/ RCR/ /2021-22 Date: 15.07.2021

Office Order

The following are the OFT and FLD programmes allotted to respective scientists for the year 2021-22 as per the approved list from ATARI. Hence I am requesting you to carry out the same and include in the progress report of KVK monthly work done report.

1. Technology assessment during 2021-22:

Sl. No	Crop/ enterprise	Title of intervention	Technology options	Source of technology	Name of critical input	Qty	Cost per trial (Rs.)	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Team members	Village/ Taluka	Season
1.	Chickpea	Assessment of chickpea varieties for moisture stress	**TO1 :** JG-11	Farmers/UAS, R/D	-	-		4500	5	22500	Scientist (Agronomy, Soil Science & PP & Home Science)	Jakkaldini.	Rabi
			TO2: NBeG-49	ANGRAU, RARS, Nandyal, AP	Seeds	20 kg	1500						
			TO3: GBM-2	UAS, Raichur	Seeds	20 kg	1500						
			TO4: NBeG-47	ANGRAU, RARS, Nandyal, AP	Seeds	20Kg	1500						
2.	Blackgram	Assessment of Blackgram varieties in paddy fallows	**TO1:** TAU-1	Farmers Practices	-	-	-	3300	05	16500	Scientists (Agronomy/ Agril. Entomology & Plant pathology)	Raithanagar camp, Adavibhavi	Summer
			TO2: PU-31	GBPUAT	Seeds	7 kg	1100						
			TO3: TRCRTRU-22	UASR	Seeds	7 kg	1100						
			TO4: DU-1	UASD	Seeds	7 kg	1100						
3.	Paddy	Assessment of nano fertilizer (N& Zn) on growth and yield of paddy	**TO1:** Application of NP fertilizers as basal dose & top dressing with N fertilizer, non or less application of K fertilizer	Farmers' Practice	-			1500	5	7500	Scientist (SS, Agronomy &PP)	Raitanagar Camp	Kharif
			TO2: Soil test based nutrient management (RDF: 150:75:75 NPK kg/ha) 50% N, full P & K as basal, 25% N at 30 DAS & remaining 25% N at 50 DAS.	UASR	-								
			TO3: Application of 25 % N (25 kg N/ha) plus full P & K as basal dose & remaining 25% N through Nano	IFFCO-NBRC, Gujarath	N based nano fertilizer Zn based nano fertilizer Soil test	1 L 1 L Before & after	500 500 500						

Sl. No	Crop/ enterprise	Title of intervention	Technology options	Source of technology	Name of critical input	Qty	Cost per trial (Rs.)	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Team members	Village/ Taluka	Season
			fertilizer at 25--30 DAS (4 ml/l) & second spray after 20 days after first spray										
4.	Mosambi	Assessment of micronutrient management in Mosambi	**TO1:** Farmers practice soil application of NPK (2 kg)	-	-	-	-	4650	5	23250	Scientist: Horticulture, soil science and SSH	Chandrabanda cluster	Kharif/Rabi
			TO2: RDF+ZnSO4+ MgSO4+MnSO4+Ca	UHS, Bagalkot	ZnSO4 MgSO4 MnSO4 Ca Soil test Leaf sample analysis	3 kg 1.5 kg 1.5kg 3 kg 1 1	750 500 500 700 200 1000						
			TO3: Citrus Special	IIHR, Bengaluru	Citrus Special	3 kg	500						
5.	Bullocks	Assessment of ectoparasiticides to control tick infestation in bullocks	**TO1:** Application of Deltamethrin (1.25%) solution @ 3ml /lit of water, spray and repeat after 21 days	Farmers practice	Butox 100 ml	-	-	1100	10	11000	Scientists (Animal Science and Entomologist)	Jakkaldinni ,Mandalgera & Adavibhavi	Rabi
			TO2: Application of Flumethrin (1 %) solution @1 ml / 10kg body wt topically along the midline and repeat after 21 days	KVAFSU , Bidar	Pour-on 100 ml	2	**366.67**						
			TO3 : Application of Amitraz 1% + Cypermethrin 1% + piperonyl butoxide 5 % solution @ 1 ml / 10 kg bd wt topically along the midline and repeat after 21 days	IVRI , Bareilly	Pour-on plus 100 ml	2	**366.67**						
			TO4: Use of soap permethrin 5 % + cetrimide 1 % + Aloevera (1%) apply and massage the lather on every part of body and washed after 1 hour	TANUVAS, Chennai	Tick out soap 150 g	2	**366.67**						
								Total	**30**	**80,750**			

2. Frontline Demonstrations during 2021-22

Sl. No	Crop/ enterprise	Technology to be Demonstrated	Variety/ Hybrid	Source of Technology	Name of Critical Input	Qty per Demo	Cost/ Demo	Cost per Trial	No. of Trail	Total Amount	Team Members	Village/ Taluka	Season
	Cereals												
1	Paddy	Water management (AWD) in paddy	BPT-5204	UAS, Raichur	Pani Pipe Soil analysis	4 Nos 1Nos	2400 200	2600	10	26,000	Scientist (Agronomy, Soil science & PP)	Athanur cluster	*Kharif*
2	Paddy	Demonstration of DSR paddy under organic system	RNR-15048/ BPT-5204	UAS, Raichur	Azospirillum PSB Trichoderma Neem oil Metarrhizium Verticillium Baeverria Peudomonas 3luorescence Pheromone traps & lures Trichogramma Soil analysis	500 g 500 g 1 kg 1000 ml 1 kg 1 kg 1 kg 1 kg 2 10 2sample	40 40 150 400 150 150 150 150 150 200 400	1980	5	9,900	Scientist (Agronomy, Soil science & PP)	Jakkaladinni	Kharif
3	Paddy	Integrated Management of Paddy Gall Midge	BPT-5204	UASR	Carbofuron Fipronil 3G Carbosulfan/Thiamethoxam Soil sample analysis	1kg/acre 10 kg/acre 400 ml 2 no.	125 - 550 500	1175	10	11,750	Scientist (Entomology, Agronomy & Soil Science)	Mandalgera/ Raithnagar camp	Rabi/ Summer
	Oilseeds												
4	Mustard	Introduction of Mustard variety NRCHB-101 in Paddy fallows	NRCHB-101	DRMR, Bharathpur for seeds	NRCHB-101 Azotobacter PSB Soil test	2 kg 200 g 200 g 1 sample	300 25 25 200	550	10	5,550	Scientist (Agronomy, Soil science & PP)	Sriram nagar camp	Rabi/ Summer
5	Groundnut	Soil Test Based Nutrient Management In Groundnut	Local	Director of Oil Seed research	SSP Gypsum Zn sulphate Iron sulphate (foliar spray) Soil sample	200g 200kg 10kg 1kg 01	1200 1000 570 470 300	3540	5	17,700	Scientist (Soil science, Agronomy & PP)	Sriram nagar camp	Rabi/ Summer
6	Groundnut	Integrated Pest and Disease Management In Groundnut		UASR/AICRPG	Trichoderma Hexaconazole Pheromone traps Yellow sticky traps Metarhizium rileyi PSB Emamectin benzoate Thiamethoxam Soil sample analysis	1 kg 400g 05 No 10 No 2 kg 2 kg 100 g 100 g 2 no.	150 500 250 400 300 250 320 150 500	2820	10	28,200	Scientist (Entomology, Agronomy & Soil Science)	Adkalguddа	Rabi/ Summer
	Pulses												
7	Pigeon pea	Integrated Pest Management in Pigeonpea	TS-3R	UASR	Sorghum seeds Pheromone traps with lures Neem based insecticides	100 g. 02 Nos. 800 ml.	20 260 550	3830	10	38,300	Scientist (Entomology) & Scientist (Agronomy)	Jakkaldinni	*Kharif*

Sl. No	Crop/ enterprise	Technology to be Demonstrated	Variety/ Hybrid	Source of Technology	Name of Critical Input	Qty per Demo	Cost/ Demo	Cost per Trial	No. of Trail	Total Amount	Team Members	Village/ Taluka	Season
					HaNPV Rynaxpyr (Chloranthriniliprole) Profenophos Thiamethoxam Soil sample analysis	100 LE 60 ml 1000 ml 100 g 2 no.	250 1050 750 450 500						
8	Chickpea	Demonstration of chickpea magic for increasing the yield of chickpea	JG-11	UAS, Raichur	Chickpea magic Soil test	5.50 kg 1 sample	425 200	625	25	15,625	Scientist (Soil Science, Horticulture, Agronomy & PP)	Adavibhavi	*Rabi*
	Commercial crops												
9	Cotton	Integrated management of Pink Bollworm in Bt Cotton		UASR	Pheromone traps Lures Profenophos 50EC Lambda cyhalothrin 5EC Emamectin benzoate Soil sample analysis	12 nos. 40 nos. 1000 ml 500 ml 100 g 2 no.	720 600 750 580 320 500	3470	10	34,700	Scientist (Entomology & Agronomy)	Jakkaldinni	*Kharif*
	Horticultural crops												
10	Mango	Integrated Crop Management in Mango	Mango:	IIHR Bengaluru	- Arka Mango special - Cue lure traps - Sealer and healer - Imidachloprid - Wettable sulphur - Soil analysis	5 kg 10 No. 2 kg 250 ml 3 kg 1	750 1250 600 700 500 200	4000	05	20,000	Scientist (Horticulture, Plant protection and Home Science)	Mandalagera	Kharif/ rabi/ Summer
11	Pomegranate	Integrated Crop Management in Pomegranate	Bhagwa	NRC on pomegranate, Solapur	- CuSO4 - Lime - COC - Streptocycline - Bronopol - Captan	1 kg 1 kg 3 kg 1 kg 500 g 1 kg	1000 500 1000 1000 500 500	4500	05	22,500	Scientist (Horticulture, Soil Science, Plat protection and Home science)	Adavibhavi cluster	*Kharif/ rabi/ Summer*
12	Chilli	Integrated pest and disease management in chilli		UASR	Sorghum seeds Imidacloprid (60 Fs) Yellow & Blue sticky traps Pheromone traps with lures Neem cake Neem based insecticides *Trichoderma* Acetamiprid Soil sample analysis	1 kg 5 ml 20 Nos 02 Nos. 2 qtl 800ml 1 kg 100 g 2 No.	300 200 1200 260 1000 550 150 450 500	4610	10	46,100	Scientist (Entomology, Agronom, Horticulture & Soil-science)	Mandalgera / Jakkaldinni	*Kharif/ Rabi*
13	Chilli and Tomato	Demonstration of Arka Microbial Consortia in Vegetable Crops (Chilli and Tomato)		IIHR	Arka Microbial Consortia Soil analysis	2 kg 1	300 200	500	50	25,000	Scientists (Horticulture, Plant protection & SSH)	Mandalgera/Adakaladudda	*Kharif*
	Livestock												
14	Sheep and Goat	Establishing Fodder Banks in Sheep and Goat Rearing	Hedge lucerne	TNAU, Coimabator	Seeds of Hedge lucerne	1 Kg	600	2450	10	24,500	Scientists (Animal Science/	Adakalgudda, ,	*Kharif*

Sl. No	Crop/ enterprise	Technology to be Demonstrated	Variety/ Hybrid	Source of Technology	Name of Critical Input	Qty per Demo	Cost/ Demo	Cost per Trial	No. of Trail	Total Amount	Team Members	Village/ Taluka	Season
			Styloxanthus CoFS-29 Sesbania (Agise)		Seeds of Styloxanthus Seeds of CoFS-29 Seeds of Sesbania	2 kg 2 Kg 250 g	800 900 150				Agronomy)	Mandalgera & Advibhavi	
15	Sheep	Use of Special Feed Pellets for Calcium Supplementation in Lactating Sheep	Special feed pellets of calcium	Bombay Veterinary College	Calsagar	6 Kg	750	750	20	15,000	Scientists (Animal Science)	Jakkaldinni , Mandalgera & Adakalgudda	*Rabi*
16	Calves	Achieving Optimum Post Weaning Growth in Calves with Probiotics	Probiotics	TANUVAS Chennai	Biobloom powder	2 Kg	760	760	20	15,200	Scientists (Animal Science)	Jakkaldinni , Mandalgera & Adakalgudda	*Rabi*
17	Sheep	Disease and forage management in Kenguri ram lamb fattening under semi intensive system of rearing	-	KVAFSU, Bidar	Fodder bank (Seeds of Hedge lucerne , CoFS-31 & sesbania) Deworming, Feed supplement & Vaccination for 5	10 gunta 5	1600 1400	3000	5	15,000	Scientists (Animal Science/ Agronomy)	Jakkaldinni , Mandalgera, Raithanagar camp, Adavibhavi & Adakalgudda	*Rabi*
18	Sheep & Goat	Demonstration of quality silage making for weight gain in stall fed sheep & goat	-	KVAFSU, Bidar	Silage barrels	1 No	1500	1,500	10	15,000	Scientists (Animal Science/ Agronomy)	Jakkaldinni , Mandalgera, Raithanagar camp, Adavibhavi & Adakalgudda	***Kharif /rabi***
	Home Science												
19	Baler for Paddy	Demonstration of Tractor Operated Baler for Paddy Straw Management	RNR	UAS Raichur	Tractor operated baler Soil Testing	1 Acre 1	1500 200	1500 200	10	17,000	Scientists (PFE/ Agronomy/Animal Science, Soil Science)	Raithanagar Camp	*Kharif*
20	Pulses/ Cereals crops	Super grain bags for storage of food grains	TS 3R, BGD 103, RNR	PCI India	Save Grain Bags	5 (25 kg capacity)	500	500	50	25,000	Scientists (PFE/ Agronomy/Animal Science, Soil Science)	Adakalgudda, Jakkaladinni, Adavibhavi, Mandalgera, Raithanagara Camp	*Kharif and Rabi*
								Total	**290**	**4,28,025**			
1	Nutri garden	Demonstration of Nutrition Gardens for Year Round Nutrition Security	-	UAS, Bengaluru	Drumstick Lime Curry leaf Basella cuttings Papaya Coleus Vegetable seed kit Vegetable Special	10 No. 15 No. 10 No. 10 No. 15 No. 10 No. 1 1 kg	100 150 100 100 150 100 150 150	1000	50	50,000	Scientists (PFE, Soil Science Plant protection and Horticulture)	Adakalgudda, Jakkaladinni, Adavibhavi, Mandalgera, Raithanagara Camp	*Kharif*
	Farmers Field School (FFS)												
1	Chilli	Virtual FFS on Chilli		UASR/D	FFS Kit (Bag, Note book, Pen and Chilli book late) Soil and water analysis	1 1	9000 (300*30) 9000 (300*30)	22800	1	22,800	Scientists (Horticulture, Plant protection & SSH)	Mandalgera/Adakalagudda	*Kharif*

Sl. No	Crop/ enterprise	Technology to be Demonstrated	Variety/ Hybrid	Source of Technology	Name of Critical Input	Qty per Demo	Cost/ Demo	Cost per Trial	No. of Trail	Total Amount	Team Members	Village/ Taluka	Season
					microbial consortia Marigold Blue sticky traps Yellow sticky traps Vegetable Special Training	3kg 10g 15 No. 15 No. 3kg 1 (80*30)	450 300 600 600 450 2400						
	Entrepreneurship Development Programme : (EDP)												
1	EDP	EDP on Value addition to millets Millet Based Diabetic Mix		UAS, Dharwad	Hands on training of 1 SHGs FSSAI certification Branding, Registration, Packaging and Miscellaneous	1 SHG	20,000 10000 10,000	40,000	1	40,000	Scientists (PFE)	Chandrabanda Cluster	Kharif/ Rabi
2	EDP	Low cost egg incubator & hatchery for livelihood security		KVAFSU, Bidar	Portable low cost egg incubator (90-120 eggs capacity @ Rs.10000/No.	1 Incubator	10000	10000	5	50,000	Scientists (Animal Science)	Jakkaldinni , Mandalgera & Adakalgudda	*Rabi*
	INTEGRATED FARMING SYSTEM												
1	IFS unit			UAS, Dharwad/ Raichur	Drum silage Azolla unit Vermicompost Unit Horticulture Components (Seedling & Seed kit) Fodder Bank: (Cofs 29, Hedge lucern , Styloxanthus Tree Fodder seeds- Glyricidia, Sesbenia, Soobabul)	1 1 1 1 1 Acre	1500 2000 2000 3000 1500	1500 2000 2000 3000 1500	5	50,000	All Scientist	All DFI villages	Kharif/ Rabi
								Grand Total		**6,40,825**			

To,

1. Copy submitted to the Director of Extension, UAS, Raichur for kind information.
2. Copy to the following concerned scientists.
   a. Dr. Pralhad, Senior Scientist & Head Scientist (Animal Science)
   b. Dr. S.N.Bhat (Soil Science)
   c. Mrs. Hemalatha K.J., Scientist (Horticulture).
   d. Dr. Shreevani, G.N., Scientist (Agril. Entomology)
   e. Mrs. Veena T., Scientist (Food and Processing Engineering)
3. Office copy

Senior Scientist and Head
ICAR-KVK, Raichur