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/ /2022-23 Date: 02.08.2022

Office Order

The following are the OFT and FLD programmes allotted to respective scientists for the year 2022-23 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 2022-23:

Sl. No	Crop/ enterprise	Title of intervention	Technology options	Source of technology	Name of critical input	Qty	Cost per trial (Rs.)	Total Cost/ trial	No. of trials	Total cost for the intervention (Rs.)	Team members	Village/ Taluka	Season
1.	Paddy	Effect of Nano N fertilizer 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	-			1020	3	3060	Scientists: (Soil Science, Agronomy & Plant Protection)	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 50 % N as basal and remaining 50% N through Nano N fertiliser by foliar (4 ml/L) at 30 DAS and 50 DAS. Application of P and K same as above.	IFFCO-NBRC, Gujarath	N based nano fertilizer Soil test	500 mlx2 Before & after	520 500						
2.	Cotton	Effect of Nano N fertilizer on growth and yield of cotton	**TO1:** Imbalanced application of nutrients & application of only NPK fertilizers	Farmers' Practice	-			1280	3	3840	Scientists: (Soil Science, Agronomy & Plant Protection)	Devadurga cluster	*Kharif*
			TO2: Soil test based nutrient management (RDF: 180:90:90 NPK kg/ha) 25 % N, K +100 % P as basal , remaining 75 % N, K at 30,60 & 90 DAS	UASR	-								
			TO3: Application of 50 % N as soil application (45 kg N as basal and 45 kg N at 50	IFFCO-NBRC, Gujarath	Nano N fertilizer	500 ml x 3	780						

Sl. No	Crop/ enterprise	Title of intervention	Technology options	Source of technology	Name of critical input	Qty	Cost per trial (Rs.)	Total Cost/ trial	No. of trials	Total cost for the intervention (Rs.)	Team members	Village/ Taluka	Season
			DAS) and remaining 50 % N through Nano N fertilizer as foliar spray at 60, 75 & 90 DAS (4 ml/l) Application of P and K same as above		Soil test	Before & after	500						
3.	Blackgram	Assessment of blackgram varieties as alternate crop in paddy fallows	**TO1:** Farmers Practices	Farmers Practices	-	-	-	3300	5	16500	Scientists: (Soil Science, Agronomy & Plant Protection)	Raitanagar Camp & Adavibhavi	*Summer*
			TO2: TRCRTRU-22	UASR	Seeds	7 kg	1100						
			TO3: DU-1	UASD	Seeds	7 kg	1100						
			TO4: PU-31	GBPUAT	Seeds	7 kg	1100						
4.	Poultry bird	Assessment of dietary supplements of fresh and dry azolla on the performance of backyard poultry bird	**TO1:** Local bird rearing without azolla feeding	-	-	-	-	4000	5	20000	Scientists: (Animal Science & Plant Protection)		-
			TO2: Fresh Azolla feeding + Vaccination against RD and IBD	KVAFSU, Bidar	Azolla bag + RD & IBD vaccine	1 10	2000						
			TO3: Dried Azolla feeding + Vaccination against RD and IBD	NIANP, Bengaluru	Azolla bag + RD & IBD vaccine	1 10	2000						
							Total	**9600**	**16**	**43400**			

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	Demonstration of DSR paddy under organic system	RNR-15048	UAS, Raichur	*Azospirillum* PSB *Trichoderma* Neem oil *Lecanicillium lecanii* *Baeverria* *Peudomonas fluorescens* Pheromone traps & lures Trichogramma Soil analysis	500 g 500 g 1 kg 1000 ml 1 kg 1 kg 1 kg 2 10 1 sample	40 40 150 400 150 150 150 150 200 200	1630	5	8150/-	Scientists: (Soil Science, Agronomy & Plant Protection)	Sriram nagar camp	*Kharif*
2	Paddy	Water management (AWD) in paddy	Rice	UAS, Raichur	Pani Pipe Soil analysis	2 Nos 1Nos	700 X 2 = 1400 200	1600	10	16000/-	Scientists: (Soil Science, Agronomy & Plant Protection)	Manvi cluster	*Kharif*
3	Foxtail millet	Demonstration of high yielding Foxtail millet Var. HN-46	Foxtail millet	UAS, Raichur	HN-46 seeds PSB *Azosprillum* Atrazine	3 kg 200 g 200 g 400 g	300 50 50 250	650	10	6500/-	Scientists: (Soil Science, Agronomy & Plant Protection)	Muranpur	*Kharif*
	Oilseeds												
4	Groundnut	Integrated pest and disease management in groundnut	Ground nut	UASR/ AICRPG	*Trichoderma viridae* Hexaconazole Pheromone traps Yellow sticky traps *Metarhizium rileyi* PSB	1 kg 400g 05 No 10 No 2 kg 2 kg	150 500 250 400 300 250	1850	10	18500/-	Scientists: (Plant Protection)	Alkod/ Arkera	*Rabi/ Summer*
	Pulses												
5	Chickpea	Demonstration of high yielding chickpea variety (Super Annigeri-1)	SA-1	UASR	Seeds(SA-1) CaCl2 Rhizobium PSB Trichoderma Chickpea magic	20 kg 100 g 500 gm 500 gm 100 gm 1.5 kg	1900 80 50 50 25 425	2530/-	10	25300/-	Scientists: (Soil Science, Agronomy & Plant Protection)	Kalmala	*Rabi*
	Commercial crops												
	Horticultural crops												
6	Chilli	Integrated Pest and Disease (wilt) Management in Chilli	Chilli (Hybrids)	UASR	Sorghum seeds Imidacloprid (60 Fs) Yellow & Blue sticky traps Pheromone traps with lures Neem cake Neem based insecticides	1 kg 5 ml 20 Nos 02 Nos. 2 qtl 800ml	300 200 1200 260 1000 550	3660	10	36600/-	Scientists: (Plant Protection, Horticulture, Soil Science & SSH)	Markam dinni/ Athanur	*Kharif/ Rabi*

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
					Trichoderma	1 kg	150						
7	Brinjal	Integrated management of Shoot & fruit borer in Brinjal	Brinjal	UHS, Bagalkot / IIVR, Varanasi	Water traps Neem oil Chloranthriniliprole	20 800 ml 15 ml	1400 550 265	2215	5	11075/-	Scientists: (Plant Protection, Horticulture & SSH)	Chandrabanda cluster	*Rabi/ Summer*
8	Tomato	Management of pinworm & blight in Tomato	Tomato	IIVR, Varanasi/ UHS, Bagalkote	Azoxostrobin 23 SC 1 ml/l Pheromone traps Metarim 75 3.3 g/l *Pseudomonas flouresens* Neem oil	100 ml 15 No 330 g 1 kg 800 ml	750 900 850 150 550	3200	10	32000/-	Scientists: (Plant Protection & Horticulture)	Chandrabanda cluster	*Rabi/ Summer*
9	Ridgegourd	Management of fruitfly using plant volatiles in ridgegourd	Ridgegourd	NBAIR, Bengaluru	Plant volatile Cue lure traps	6 5	90 625	715	10	7150/-	Scientists: (Plant Protection & Horticulture)	Mandalgera	Rabi/ Summer
10	Guava	Demonstration of nematode management in Guava	Taiwan pink/Arka kiran	IIHR, Bengaluru & TNAU	Neem Cake Mucuna seeds Botanical oil (3 ml /ltr @ 30 days interval) *Paecilomyces lilacinus* Carbofuran Soil analysis	20 kg 1 kg 5 kg 500 g. 1.5 kg 1	450 600 400 150 750 200	2550	5	12750/-	Scientists: (Horticulture, Plant Protection & SSH)	Shakthinagar and Manvi cluster	Kharif/ Rabi
11	Chilli	Demonstration of Arka Microbial Consortia in Chilli	Byadgi dabbi	IIHR	Arka Microbial Consortia Soil analysis	2 L 1	1200 200	1400	20	28000/-	Scientists: (Horticulture, Soil Science, Plant Protection & SSH)	Devadurga	*Kharif*
12	Mango	Integrated Crop Management in Mango	Benesha n	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	20000/-	Scientists: (Horticulture, Plant Protection & Home Science)	Yapaladinni/ Yergera	*Kharif/ rabi/ Summer*
13	Pomegranate	Integrated Crop Management in Pomegranate	Bhagwa	NRC on pomegranate, Solapur	- CuSO4 - Lime - Copper oxychloride - Streptocycline - Bronopol - Captan	1 kg 1 kg 3 kg 1 kg 500 g 1 kg	1000 500 1000 1000 500 500	4500	05	22500/-	Scientists: (Horticulture, Plant Protection & Soil Science)	Lingasugur	*Kharif/ Rabi/ Summer*
14	Betelevine	Integrated Crop Management in Betelevine	Ambadi (3 yrs old)	IIHR Bengaluru & TNAU Coimbatore	-Trichoderma - AMC - Streptocycline - Hexaconozole - Metalaxyl + Mancozeb - Soil analysis	2 kg 5 kg 500 g 1 kg 1 kg 2	300 750 1200 800 1750 400	5200	05	26000/-	Scientists: (Horticulture, Plant Protection & Soil Science)	Elebichali	*Kharif/ Rabi/ Summer*
	Livestock												

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
15	Buffaloes	Thermal stress management in Buffaloes	Buffaloe	ICAR Central Institute for Research on Buffaloes , Hissar	Niacin @ 6 gms/days/animal Yeast @ 10 gms/days/animal Mustard oil @ 150 ml /days/ animal	2 Kg	3000	3000	10	30000/-	Scientists: (Animal Science)	Deodurg, Manvi & Kalmala	*Summer*
16	Dairy Cows	Demonstration of Masti Guard for Prevention & Control of Sub Clinical Mastitis in Cross Bred Dairy Cows	CB cow	TANUVAS , Chennai	Masti guard- teat protect and Instant Mastitis detect	1	1100	1100	20	22000/-	Scientists: (Animal Science)	Deodurg, Manvi & Kalmala	*Summer*
17	Fodder	Establishing fodder banks in sheep and goat rearing	Fodder seeds	TNAU, Coimbatore	Seeds of Hedge lucerne Seeds of Styloxanthus Seeds of CoFS-31 Seeds of Sesbania	1 Kg 2 kg 2 Kg 250 g	600 800 900 150	2450	10	24500/-	Scientists: (Animal Science)	Deodurg, Manvi & Devasugur	*Kharif*
18	Buffalo	Demonstration of Pro Sync-NC- Progesterone Nano cream Hormone for augmenting fertility in dairy Buffaloes	Buffalo	TANUVAS , Chennai	Mineral mixture Deworming bolus Pro Sync-NC- Progesterone Nano cream Hormone	3 Pkt 1 Bolus 1 Dose	300 100 500	900	20	18000/-	Scientists: (Animal Science)	Deodurg, Manvi & Devasugur	*Summer*
	Home Science												
19	Solar drier	Assessment of drying of Red Chillies in Solar drier and sunlight	Byadagi	UAS Raichur	Solar drier	1	-	-	10	-	Scientists: (PFE/ & Horticulture)	Adakalagudda	*Summer*
20	Baler for paddy	Popularization of tractor operated baler for paddy straw management	RNR	UAS Raichur	Tractor operated baler hiring charges	1 Acre	1500	1500	10	15000/-	Scientists (PFE/Animal Science, Soil Science)	Jakkaladini	Rabi
21	Fertilizer feeder	Demonstration of Portable Fertilizer feeder equipment for uniform application & drudgery reduction	-	Adaptive Agritech solutions, Belgaum	Portable Fertilizer feeder	1	4800	4800	10	4800	Scientists (PFE & Horticulture)	Clusters: Deodurg, Manvi & Devasugur	Kharif , Rabi and Summer

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