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UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR
ICAR-KRISHI VIGYAN KENDRA, RAICHUR
P.B. No.329, UAS CampusRaichur

NO: SSH/ KVK/ RCR/ /2023-24 Date: 14.07.2023

Office Order

The following are the OFT and FLD programmes allotted to respective scientists for the year 2023-24 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 2023-24:

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	Sunflower	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	Scientist (Soil Science, Agronomy &Plant Protection)	Raitanagar camp	Kharif /Rabi
			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: Basal application of 100 % P & 100 % k through complex fertilizer (10: 26: 26) followed by foliar spray of Nano N (4 ml/L) at 30 DAS and 50 DAS.	IFFCO-NBRC, Gujarath	N based nano fertilizer Soil test	500 mlx2 Before & after	520 500						
2	Blackgram	Assessment of black gram varieties as alternate crop in paddy fallows	**TO1:** TTAU-1 **TO2:** TRCRU-22 **TO3:** DU-1 **TO4:** PU-31	Farmers Practices UASR UASD GBPUAT	- Seeds Seeds Seeds	- 7 kg 7 kg 7 kg	- 1100 1100 1100	3300	5	16500	Scientist (Soil Science, Agronomy & Plant Protection)	Bhagyanagar camp	Summer
3	Sheep and Goat	Assessment of feed supplementation to improve productivity in lambs and kids under sheep and Goat rearing	**TO1:** Farmers practice (	-	-	-	-	**3150**	5	15750	Scientists: (Animal Science)	Deodurg, Manvi & Devasugur	*Kharif/Rabi*
			TO2:										
			TO3:										

2. Frontline Demonstrations during 2023-24

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 salt tolerant Paddy variety GNV-1109	GNV - 1109	UAS, Raichur	Dhaincha seeds Azospirillum PSB GNV -1109 Soil analysis	200 gm 200 gm 25 Kg 1 sample	50 50 800 200	1100	5	5500/-	Scientists: (Soil Science, Agronomy & SSH)	Mandalgera	*Kharif/ Rabi*
2	Paddy	Demonstration of Soil Test based Modified Nutrient recommendation in Paddy	Rice	UAS Raichur	PSB Azospirulum Soil test charges	200g 200g 2 No.	80 80 400	560	10	5600/-	Scientist (Soil Science, Agronomy, Horticulture & SSH	Muranpur	*Kharif/ Rabi*
3	Foxtail millet	Demonstration of high yielding Foxtail millet Var. HN-46	Foxtail millet	UAS, Raichur	HN-46 seeds PSB Azospirillum	3 kg 200 g 200 g	300 50 50	400	10	4000/-	Scientist (Soil Science, Agronomy, Home Sci & SSH)	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 & Soil science)	Arakera cluster	*Rabi/ Summer*
	Pulses												
5	Chickpea	Demonstration of high yielding chickpea variety (Super Annigeri-1)	SA-1	UASR	Seeds(SA-1) $CaCl_2$ $2H_2O$ 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												
6	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	34700	Scientists: (Plant Protection & Horticulture)	Sirwar cluster	*Kharif/ Rabi/ Summer*

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
	Horticultural crops												
7	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 Trichoderma	1 kg 5 ml 20 Nos 02 Nos. 2 qtl 800ml 1 kg	300 200 1200 260 1000 550 150	3660	10	36600/-	Scientists: (Plant Protection, Horticulture & Soil Science)	Athanur	*Kharif/ Rabi*
8	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)	Chandrabanda cluster	*Rabi/ Summer*
9	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*
10	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)	Chandrabanda cluster	Rabi/ Summer
11	Ridgegourd	Demonstration of Ridge gourd var. Arka Prasan	Arka prasan	IIHR, Bengaluru	Arka Prasan seeds	1 kg	2500	2500	5	12500/-	Scientists: (Horticulture, Soil Science, Plant protection & Home science)	Chandrabanda cluster	Late Kharif/ rabi
12	Cucumber	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	Seminis: Malini	UASR	Mepiquat Chloride	1 lt	1500	1500	5	7500/-	Scientists: (Horticulture, Soil Science, Plant protection & Home science)	Chandrabanda cluster	Rabi
13	Chilli	Demonstration of Arka Microbial Consortia in Chilli	Byadgi dabbi	IIHR	Arka Microbial Consortia	2 L	1200	1200	20	24000/-	Scientists: (Horticulture, Soil Science, Plant Protection & SSH)	Devadurga	*Late Kharif /rabi*
14	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	*Kharif/ rabi/ Summer*

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	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*
16	Marigold	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	Max yellow/ majestic yellow	UASR	Azospirillum PSB KMB Humic acid	2 kg 2 kg 2 kg 500 ml	300 300 300 350	1250	5	6250	Scientists: (Horticulture, Home science, Soil Science & Plant protection)	Yergera cluster	Rabi
	Livestock												
17	Sheep & Goat	Diarrionex-HS herbal anti-diarrheal powder for lambs and kids	Sheep & Goat	ICAR – CIRG, Makhdoom	Diarrionex-HS herbal anti-diarrheal powder	200 gm x 2	1000	1000	10	10000	Scientists: (Animal Science)	Deodurg, Manvi & Devasugur	*Kharif/ Rabi*
18	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/ Rabi*
	Home Science												
19	Cotton shredder	Demonstration of tractor operated cotton shredder for cotton straw management.	Bt Cotton	UAS Raichur	Tractor operated cotton shredder	1 Acre	2000	2000	10	20,000	Scientists (PFE/ Entomology/Soil Science)	Muranpur	*Kharif*
Entrepreneurship Development Programme (EDP):													
1	EDP	Strengthening of FPO's through EDP on processing and value addition of Honey	-	IIT, Kharagapur	Hands on training to FPO members Bee box (5) , Safety kit, Extraction unit Branding, Registration, Packaging and Miscellaneous	2 FPO	10,000/- 40,000 10,000	30000	2	60000	Scientists (PFE/ Entomology/Soil Science)	Jakkaladini & Nelahal	*Kharif/ rabi/ Summer*
Special Programme Nutri Garden													
1	Nutri Garden	Demonstration of Nutri-Farms for Year Round Nutrition Security Among Anganawadi	*AICRP model*	*Source: UAS(B*	Vegetable Seed kit, vermi compost, Bee box with hives, AMC, Neem oil, Name Board	-	-	-	-	50000	Scientists (PFE/ & Horticulture)	Village: 5 Anganawadi's of Raichur taluq	*Kharif/ rabi/ Summer*

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
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

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. Dr. 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