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

NO: SSH/ KVK/ RCR/ /2019-20 Date:

# Office Order

The following are the OFT and FLD programmes allotted to Scientist for the year 2019-20 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 2019-20:

| Sl. No. | Crop/ enterpris | Title of intervention | Technology options | Source of technology | Name of critical input | Qty | Cost per trial (Rs.) | No. of trials | Total cost (Rs.) | Team members | Village/ Taluka | Mon Cond |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chickpea | Assessment of Chickpea varieties for stress | **TO1 :** JG-11 | Farmers/UAS, R/D | - | - | | 3 | 4500X3 =**13500** | Scientist (Agronomy, Entomology & Home Science) | | |
| | | | **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 | | | | | |
| | Pigeon pea | Assessment of millets as intercrops in Pigeonpea | **TO1 :** Redgram sole | Farmers/UAS, R/D | - | - | | 3 | 2250X4 =**8400** | Scientist (Agronomy, Entomology & Home Science) | | |
| | | | **TO2:** PP + PM (1:1) | UAS R/D | Seeds | 5 kg +2 kg | 850 | | | | | |
| | | | **TO3:** PP + PM (1:2) | UAS R/D | Seeds | 5 kg +2 kg | 850 | | | | | |
| | | | **TO4:** PP + FM (1:2) | UAS R/D | Seeds | 5 kg +2 kg | 550 | | | | | |
| | Mustard | Assessment of Mustard varieties as alternate crop in paddy fallows | **TO1:** Local | Pvt HY | - | - | - | 3 | 900X3 =**2700** | Scientists (Agronomy/ Agril. Entomology) | | |
| | | | **TO2:** PM-25 | IARI | Seeds | 2kg | 300 | | | | | |
| | | | **TO3:** PM-30 | IARI | Seeds | 2kg | 300 | | | | | |
| | | | **TO4:** NRCHB-101 | DRMR, Bharathpur | Seeds | 2kg | 300 | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bhendi | Assessment of new Bhendi hybrids in Raichur District | **TO1:** Farmers practice (Shakti) | - | - | - | - | 3 | 4750X3 =**14250** | Scientist: Horticulture & Plant protection | | |
| | | | **TO2:** CO BH4 | TNAU Tamilnadu | Seeds | 1 kg | 2000 | | | | | |
| | | | **TO3:** Arka Nikita | IIHR Bengaluru | Seeds | 1 kg | 2750 | | | | | |
| | Fodder | Assessment of new forage super Naiper for its productivity and forage quality | **TO1:** Farmers Practice (NB-21) | UAS, Dharwad | - | - | - | 3 | 5000 x 3 **=15000** | Scientists: (Animal Science & Agronomy) | | |
| | | | **TO2:** Hybrid Napier Co-3 | TNAU, Coimabator | Hybrid Napier Co-3 | 2500 stem cuttings | 2500 | | | | | |
| | | | **TO3:** Super Napier | IGFRI Jansi | Super Napier (Rs.1.5 per stem cutting) | 2500 stem cuttings | 2500 | | | | | |
| | | | | | | | | **Total** | **53850** | | | |

## 2. Frontline Demonstrations during 2019-20

| Sl. No | Crop/ enterprise | Technology to be demonstrated | Name of variety/ hybrid | Source of technology | Name of critical input & Qty per demo (q) | Cost per demo (Rs.) | Team members | Village/ Taluka | Month of Conducted |
|---|---|---|---|---|---|---|---|---|---|
| | **Cereals** | | | | | | | | |
| 1 | Paddy | Water Management (AWD) in Paddy | BPT-5204 | UAS, Raichur | Pani Pipe : 600X 4 = 2400<br>Soil analysis : 1x200 = 200 | 2600 x05 **= 13000** | SMS (Agronomy &Agril Entomology) | | |
| 2 | Paddy | Demonstration of New Paddy Variety GNV 10-89 | GNV 10-89 | UAS, Raichur | Seeds :25 kg<br>Azospirillium :200g.<br>PSB :200g.<br>Soil analysis :2 sample | 800<br>15<br>15<br>400<br>1230 x05<br>**= 6150** | Scientists: Agronomy & Soil Science | | |

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|---|---|---|---|---|---|---|---|---|---|
| | **Millets** | | | | | | | | |
| 3 | Jowar/ Maize | Management of fall armyworm in Jowar/Maize | - | UAS, Raichur | Lures and traps Emamectin = 10 No.<br>benzoate = 60 ml<br>Poison bait = 250 ml (Monocrotophos) | 700<br>500<br>150<br>1350X5<br>**=6750** | Scientist (Entomology & Agronomy) | | |
| | **Oilseeds** | | | | | | | | |
| 4 | Groundnut | Integrated Crop Management in Groundnut | G-2-52 | UAS, Raichur | Seeds – G-2-52 : 50kg<br>Trichoderma :0.2kg<br>Rhizobium- :1kg<br>PSB : 1 kg<br>Alachlor, : 1.2 lit.<br>PE: Quizlophap ethyl :400ml<br>Iron Sulphate : 10kg<br>Zinc Sulphate : 10 kg<br>Soil test : 1<br>Pheromone traps : 4<br>Yellow sticky trap: 4 | 4000<br>26<br>50<br>50<br>750<br>740<br>600<br>600<br>200<br>130<br>75<br>7221 x 05<br>**= 36105** | Scientist (Agronomy/ Agril. Entomology Plant pathology & Home science) | | |
| | **Pulses** | | | | | | | | |
| 5 | Pigeon pea | Integrated Pest Management in Pigeonpea | - | UAS, Raichur | Sorghum seeds : 100g.<br>Pheromone traps with lures:02 Nos.<br>Neem based insecticides :800 ml.<br>HaNPV :100LE<br>Rynaxpyr : 60 ml<br>Profenophos :1000 ml<br>Thiamethoxam :100 g | 40<br>300<br>450<br>300<br>600<br>480<br>450<br>2620 x 5<br>**= 13100** | Scientist (Entomology & Agronomy) | | |
| 6 | Chickpea | Integrated Pest Management in Chickpea | - | UAS, Raichur | Sunflower seeds : 100 g.<br>Sorghum seeds : 100g.<br>Pheromone traps with lures:2 Nos.<br>Neem based insecticides:: 800ml.<br>HaNPV : 100 LE. | 20<br>20<br>260<br>450<br>250<br>1000x 5<br>**= 5000** | Scientist (Entomology & Agronomy) | | |

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|---|---|---|---|---|---|---|---|---|---|
| 7 | Chickpea | Demonstration of Chickpea Special | - | UASR | Chickpea special : 800g./demo<br>Rhizobium :500g.<br>PSB :500g.<br>Trichoderma : 100 g. | 500<br>60<br>60<br>150<br>775 x 5<br>**=3880** | Scientist (Agronomy/ Agril. Entomology) | | |
| | **Commercial crops** | | | | | | | | |
| 8 | Cotton | Management of Pink Bollworm in Bt-Cotton | - | UAS, Raichur | Pheromone traps : 12 nos.<br>Lures : 40 Nos.<br>Profenophos 50EC or 1000 ml.<br>cyhalothrin 5EC :250 ml | 720<br>600<br>500<br>200<br>2020 x 5<br>**= 10100** | Scientists: (Entomology & Agronomy) | | |
| 9 | Cotton | Demonstration of Cotton variety BGDS-1063 | BGDS-1063 | UAS, Raichur | Seeds (Cotton) : 3 kg<br>Azospirilum :200 g.<br>PSB :200 g.<br>Soil analysis : 2 sample | 700<br>15<br>15<br>400<br>1130 x 5<br>**= 5650** | Scientist: Agronomy, Soil Science & Entomology | | |
| 10 | Cotton | Demonstration of Soil test based nutrient management in Cotton | - | UAS, Raichur | Azospirilum : 200g<br>PSB :200g<br>$MgSO_4$ (Soil app.):10 kg<br>$MgSO_4$ (foliar sprays-3 times):6kg<br>19:19:19 NPK (FS – 3 times):6kg<br>Soil analysis :2 No. | 15<br>15<br>600<br>360<br>900<br>400<br>2290 x 5<br>**= 11,450** | Scientists: Soil Science & Agronomy | | |
| | **Horticultural crops** | | | | | | | | |
| 11 | Onion | Introduction of high yielding onion variety Bhima Dark Red | Onion : Bhima Dark red | DOGR Pune | Seeds : 2 kg<br>Name Board : 1 No. | 3500<br>250<br>3750 x 5<br>**= 18750** | Scientist (Horticulture, Entomology Plant pathology and Agronomy) | | |

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| 12 | Chilli | Integrated Pest Management in Chilli (Murda complex &Spodoptera) | - | UAS, Raichur | Sorghum seeds: 1 kg<br>Imidacloprid (6Fs): 5 ml<br>Yellow & Blue sticky traps: 20Nos.<br>Pheromone traps with lures: 2 Nos.<br>Neem cake: 2 qtl.<br>Neem based insecticides: 800ml.<br>Acetamiprid: 100ml. | 300<br>200<br>1200<br>260<br>1000<br>400<br>450<br>3810 x5<br>**= 19050** | Scientists: Entomology & Agronomy) | | |
| 13 | Tomato | ICM in Tomato | Tomato: KSP 1278 | IIHR Bengaluru | -Arka Microbial Consortia : 5 kg<br>-Arka Vegetable special : 3 kg<br>-Marigold : 10 kg<br>-Yellow sticky traps : 80 No.<br>-Diafenthiuran : 250 g.<br>-Azoxystrobin : 250 ml.<br>- Name board : 1 No. | 750<br>150<br>300<br>200<br>800<br>750<br>250<br>3200 x 5<br>**= 16,000** | Scientist (Horticulture/ Plant protection & Home Science) | | |
| 14 | Cucumber | Demonstration of Plant volatile based attractant to control fruit flies in Cucurbits(Cucumber or Ridgegourd) | - | NBAIR | Plant volatile : 100ml<br>Cue lure traps : 5 Nos | 350<br>620<br>970 x5<br>**= 4850** | Scientist (Entomology) & Scientist (Horticulture) | | |
| 15 | Fig | Management of nutrient and rust of fig | Krishna brown | UHS, B | Mancozeb : 1 kg<br>Hexaconazole : 1 lt<br>Pseudomonas flourescence :1kg<br>Bacillus subtilis : 1 kg<br>Trichoderma harzinum : 1 kg<br>Ninetinol : 1 kg<br>Waste decomposer | 460<br>680<br>200<br>260<br>300<br>250<br>250<br>2400X5<br>**=12000** | Scientists : (Plant pathology, Agronomy, Entomology) | | |
| 16 | Watermelon | Effect of Boron foliar spray in Watermelon for higher yield and quality | Watermelon: NS 295 | IIHR Benagaluru | Borax : 1kg<br>Name board : 1 No. | 750<br>250<br>1000 x 5<br>**= 5000** | Scientist (Horticulture/ Soil Science/ Entomology) | | |

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| | **Livestock** | | | | | | | | |
| 17 | Small ruminants | Establishing fodder crops in Stall fed sheep and goat rearing | - | IGFRI, Dharwad | Seeds of Hedge lucerne: 1 kg<br>CoFS-29:2 kg<br>Styloxanthus: 2 kg<br>Sesbania: 250g | 600<br>800<br>900<br>150<br>2450x5<br>**=12250** | Scientist (Animal Scientist & Agronomy) | | |
| 18 | Small ruminants | | Sheep | Bombay Veterinary College | Calsagar- 5 kg<br>(15x5)x20<br>=15000 | 750 x 10<br>**=7500** | | | |
| | **Fisheries** | | | | | | | | |
| | **Others** | | | | | | | | |
| | | | | | **Grand Total** | **206585** | | | |

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. G. S. Yadahalli, Senior Scientist & Head
   b. Dr. Anupama C., Scientist ( Home Science)
   c. Dr. Pralhad, Scientist (Animal Science )
   d. Mrs. Hemalatha K.J., Scientist (Horticulture).
   e. Dr.Shreevani, G.N., Scientist (Agril. Entomology)
3. Office copy