University of Agricultural Sciences, Dharwad Krishi Vigyan Kendra Uttara Kananda, Sirsi

ZONAL PROJECT DIRECTORATE - ZONE VIII ICAR, HEBBAL, BANGALORE

ACTION PLAN 2014-15

ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE <u>PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2014-15</u>

1. General information about the Krishi Vigyan Kendra

| 1.1 | Name and address of KVK with Phone, Fax and e- mail | : | Uttara Kannada Phone/Fax : 08384-228411, Email id: kvkuks@gmail.com |
|-----|--|---|--|
| 1.2 | Name and address of host organization | : | University of Agricultural Sciences, Dharwad |
| | | | KIISIII Nagai, Dhaiwad |
| 1.3 | Year of sanction | : | 2004 |
| 1.4 | Website address of KVK and date of last update | | www.kvkuttarkannada.org, |

2. Details of staff as on date

| | | | | If Permanent, Please indicate | | | If Temporary, pl. |
|------|----------------------------|------------------------------|--------------|-------------------------------|-----------|------------|---------------------------|
| SI. | Sanctioned post | Name of the incumbont | Disciplino | Current | Current | Date of | indicate the consolidated |
| No. | Sanctioned post | Name of the incumbent | Discipline | Pay Band | Grade Pay | joining | amount paid (Rs./month) |
| 2.1 | Programme Coordinator(I/C) | Dr. Roopa S. Patil | Agril. | 15600-39100 | 6000 | 3.12.08 | Р |
| | - | - | Entomology | | | | |
| 2.2 | Subject Matter Specialist | Dr. Roopa S. Patil | Agril. | 15600-39100 | 6000 | 3.12.08 | Р |
| | | | Entomology | | | | |
| 2.3 | Subject Matter Specialist | Mr. Shivashenkaramurthy | Agronomy | 15600-39100 | 6000 | 28.11.11 | Р |
| 2.4 | Subject Matter Specialist | Miss. Akkamahadevi D. | Horticulture | 15600-39100 | 6000 | 14.12.12 | Р |
| | | Agasimani | | | | | |
| 2.5 | Subject Matter Specialist | Sudharshan A | Agroforestry | | | 14.12.2013 | 15000/- T |
| 2.6 | Subject Matter Specialist | Vacant | Veterinary | 15600-39100 | 6000 | | |
| 2.7 | Subject Matter Specialist | Vacant | Home Science | 15600-39100 | 6000 | | |
| 2.8 | Programme Assistant | Siddappa A Kannur | Agroforestry | 9300 - 34800 | 4200 | 2.8.2013 | Р |
| 2.9 | Computer Programmer | Smt. Annapurna F. Neeralagi, | Computer | 9300 - 34800 | 4200 | 29.03.10 | Р |
| | | | Science | | | | |
| 2.10 | Farm Manager | Dr. Praveen T. Goroji | Soil Science | 9300 - 34800 | 4200 | 13.11.08 | Р |
| 2.11 | Accountant/Superintendent | Mr. Somashekhariah S.L | | 20000-36300 | | 14.10.11 | Р |
| 2.12 | Stenographer | Ms. Purnima K. Hirehal | | 16000-29600 | | 12.11.09 | Р |
| 2.13 | Driver 1 | Sri. Balappa.R. Taragar | | 11600-21000 | | 6.10.09 | Р |
| 2.14 | Driver 2 | Vacant | | | | | |
| 2.15 | Supporting staff 1 | Mr. Hazrat.A.Nadaf | | 10400-16400 | | 2.08.09 | Р |
| | | | | | | | |
| 2.16 | Supporting staff 2 | Vacant | | | | | |

3. Details of SAC meeting conducted during 2013-14

| SI. No | Date | Major recommendations | Status of action taken in brief | Tentative date of SAC meeting proposed during 2014-15 |
|-----------|------------|---|---|---|
| 3.2 | 01.08.2013 | Action to establish custom hiring centre at KVK should be initialized and proposal for sanction of grants in this regard may be sent to University. It is also suggested to include 2 transplanters, 2 reapers and one weeder in the proposal | Proposal has been submitted to UAS for financial sanction | First week of August, 2014 |
| | | As per the decisions made during last SAC the Dairy Unit is to be taken over by the KVK and established as demonstration unit. | After recruitment of Animal Scientist arrangements will be made to take over the diary unit | |
| | | An exposure visit of 10 farmers to Ranchi to learn about the LAC cultivation is to be planned | An exposure visit to IINRG, Ranchi and training on Scientific lac cultivation, production and processing was organized for 15 progressive farmers during September 2013 | |
| | | Activities to popularize the biological methods (nematodes and fungi) to control arecanut root grub, are to be carried out. | FLD on Management of Arecanut rootgrub through entomopathogenic fungi and control nut drop is implemented in Kaigudde, Kedigemane and in progress. Also Awareness programmes were oragnised during adult beetle emergence | |
| | | Trainings on use of agricultural implements are to be organized to the members of cooperative societies and P.A.C.S officers | Farm Machinery exhibition was organized in collaboration with CIAE, Bhopal, Regional Center, Coimbatore, CPCRI, Kasargod and TNAU, Coimbatore to create awareness about the suitable implements for Uttar Kannada district | |
| | | To gain more knowledge on value addition of banan fibre, visits to IDS and Kishkinda Trust, Anegundi may be planned. The acquired knowledge is to be disseminated to the farmers of the district. | Action was not taken, but will be initiated after recruitment of Home scientist | |
| | | Groundnut variety G-2-52 may be popularized in residual moisture after paddy | Trials are initiated at Holanagadde, Kumta Tq. under ATMA Research activities | |
| | | Feeler trials are to be carried out at ARS,Kumta to popularize groundnut and pulse varieties released by UASD. | Trials are initiated | |

| Extension activites to manage the quick wilt of blackpepper are to be organized. and Information on grafting of black pepper is to be collected and to be presented during ZRAC | Information on grafting of black pepper was collected from N. D. Hegde, Antravalli, Kumta Tq. and presented during ZREAC/ZREFC meeting held at AC, Bijapur. Project proposal was submitted to DR, UAS Dharwad | |
|--|---|--|
| Information with respect to site specific nutrient loss is to be collected and necessary extension activites are to be planned to control the same. | Action was not taken | |
| KVK should produce and popularize value added products like KVK Patanamtitta | Action was not taken. But will be initiated after recruitment of Home scientist | |
| KVK should promote use of cocoa and marketing in same lines of KVK Erode. If necessary exposure visit may be planned to KVK,Erode | Action was not taken. But will be initiated after recruitment of Home scientist | |
| Activities to mange natural resources are to organized | Will be initiated in future | |
| Soil and water samples of farmers are to be tested and soil health cards are to be distributed. | Already implemented and work is in progress. | |
| Technical information are to be included in the KVK Newsletters and circulated to SAC member, progressive farmer, RSKs and developmental departments of the district. | Technical information are included in the KVK Newsletters and circulated to all officials and SAC members regularly | |

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2014-15

| S. No | New Areas of Training | Institution proposed to attend | Justification |
|-------|--|--------------------------------|--|
| 4.1.1 | Coconut Value Addition | CPCRI, Kasaragod | Wide scope for coconut value addition |
| 4.1.2 | Processing of Fruits and Vegetables | IIHR,Bangalore | To popularize value added products |
| 4.1.3 | Vertebrate pest management | NIPHM, Hyderabad | Rodents and other wild animals are inflicting heavy damage to paddy, banana, cocoa etc. There is an urgent need to tackle these problems |
| 4.1.4 | Project planning and management in agriculture | MANAGE, Hyderabad | Proper identification and formulation of agricultural projects is need of the hour. Also develops competence required for effective and efficient administration of agricultural projects |
| 4.1.5 | Forestry and Agroforestry | IWST, NARM, UASB | To acquire knowledge and new technology |

4.2. Cross-learning across KVKs during 2014-15

| S. No | Name of the KVK proposed | Specific learning areas |
|-------|--|--|
| 4.2.1 | Within ring – Gadag, Tumkur, Dharwad, Bidar | Formation of commodity groups, Post harvest and value |
| | | addition, technical knowledge on horticulture crops, nursery |
| | | techniques and demonstration units, pulse seed production |
| 4.2.2 | Within the zone –Kannur, Dharmapuri, Goa, Mallapuram | Value addition, precision farming, Agri eco tourism, |
| | | Formation of Paddy task Force |
| 4.2.3 | Outside zone –Ahmednagar | ICT |

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2014-15

| S.No. | Name of the KVKs included in the cluster | What do you intend to share with Cluster KVKs | What do you expect from Cluster KVKs |
|-------|--|---|--|
| 5.1 | Dharwad | Sharing of technology capsules, Products | Planting Materials |
| 5.2 | Haveri | Sharing of technology capsules, Products | Services of Animal Scientist |
| 5.3 | Shivamogga | Sharing of technology capsules, Products | Sharing of technology capsules, Products |
| 5.4 | Udupi | Sharing of technology capsules, Products | Sharing of technology capsules, Products |
| 5.5 | Dakshina Kannada | Sharing of technology capsules, Products | Sharing of technology capsules, Products |

6. Operational areas details proposed during 2014-15

| S.No. | Major crops & enterprises being practiced in cluster villages | Prioritized problems in these crops/ enterprise | Extent of area (Ha/No.) affected by the problem in the district | Names of Cluster Villages identified for intervention | Proposed Intervention (OFT, FLD, Training, extension activity etc.)* |
|-------|--|--|--|---|---|
| 6.1 | Mango | Flower dropping Leaf hoppers MSDS Bark Weevil | 1000 ha 500 ha | Cluster 2 : Pala, Badrapur and Malagi (Mundogod taluk) | FLD, Awareness programme, Training programme, Method demonstration, Field day, Field visits |
| 6.2 | Ginger | Low yield Rhizome rot complex disease | 30 ha | Cluster 1 :,Yedurbail, Kantraji, Badanagod,Gudnapur (Sirsi Taluk) | FLD, Training programme, Method demonstration, Field visits, Official- Scientist- Farmers Interaction |
| 6.3 | Banana | Panama wilt,Pseudostem weevil | 50 ha | All Clusters | Method demonstration, training programme, field visits |
| 6.4 | Beans | Lack of commercial | - | Cluster1:Gudnapur (Sirsi Taluk) | OFT, Field Visits, Trainings, Method |

| | | cultivation | | | demonstrations. |
|------|-------------|--|-----------|-----------------------------------|--|
| 6.5 | Pineapple | • Low yield | 50 ha | Cluster1: Kantraji,Gudnapur | OFT, Training programme, Method |
| | | Heart rot disease | | (Sirsi Taluka) | demonstration, Field visits |
| 6.6 | Paddy | Poor soil fertility | 65,000 ha | Cluster1: | FLD, OFT, Training Programmes, Official- |
| | | Blast incidence | 23,000 ha | Yedurbail,Kantraji,Gudnapur | Scientist-Farmers Interaction, Health Camp, |
| | | • Leaf folder, stem borer, | | | Field Visits, Field Day, Method Demonstrations |
| | | BPH, Army worms, Case | 30,000ha | Cluster 3:Hitlalli (Yellapur Tq.) | |
| | | worms & ear head bug | | | |
| | | infestations. | 1001 | | |
| | | • Flood due to heavy rain | 100na | | |
| | | Labour scarcity | 20,000 na | | |
| | | • Lack of short duration | 5 000 ha | | |
| | | varieties for summer | 5,000 11a | | |
| | | Moisture Stress during | 5000 ha | | |
| | | summer. | | | |
| 6.7 | Maize | • Low yield | 3000 ha | Cluster 3 : Kavalawadi (Haliyal | FLD,OFT ,Training Programmes, Health camp, |
| | | • Poor soil fertility | 2500ha | Taluk) | Field Visits and Field Day. |
| | | • Weeds | 2000 ha | | |
| | | Stem borer | 500 ha | | |
| | | Root rot | 50 ha | | |
| | | | | | |
| 6.8 | Groundnut | • Low yield | 2000 ha | Cluster 4 : Bole, Belase (Ankola | FLD, Training Programmes, Method |
| | | Poor peg penetration | 650 ha | Taluka) | demonstrations, Field Day, Field Visits, |
| | | • Spodoptera, leaf miner, | 250 ha | | adaptive research. |
| | | collor rot | 500 ha | | |
| | | Coastal salinity | 500 Ha | | |
| 6.9 | Areconut | • Nut drop & Nut onlit | 10000 ha | Cluster:06 · Kenchagadde | FLD Training Programmes Method |
| 0.9 | Alceanut | • Nut drop & Nut spin | 10000 11a | Kavigudde Kedigemane (Sirsi | demonstrations Field Day Field Visits |
| | | Kole roga | | Ta.) | demonstrations, i ford Day, i ford visits |
| 6 10 | Blackgram | Poor soil fertility | 200 ha | Cluster1: Kantraii | FLD Training Programmes Method |
| 0.10 | Diweingrunn | • Low yield | 350 ha | Yedurbail.Gudnapur | demonstrations. Field day, field visits. |
| | | Sucking pests | 50 ha | | |
| 6.11 | Bt. Cotton | Poor soil fertility | 500 ha | Cluster 3 : Kavalawad (Haliyal | FLD, Training Programmes, Method |
| | | • Flower & square dropping | 2000 ha | Taluk) | demonstrations, Field day, field visits. |
| | | • Sucking insects | 1500 ha | | |
| | | • Black arm disease | 200 ha | | |
| 6.12 | Sugarcane | • Low yield | 2500ha | Cluster 3: Havagi Panchayat | Farmers Participatory Sugarcane Knowledge |
| | | Poor soil fertility | | | and Resource Point- An Innovative Approach |
| | | • Weeds | | | |

| | | Woolly AphidsFloweringWater scarcity during summer | | |
|------|--------------|---|----------------------|------------------------------------|
| 6.13 | IFS | Low IncomeUnemploymentImproper Utilization of Resources | Cluster 01 | IFS Module for Empowerment |
| 6.14 | Agroforestry | • Improper utilization of betta lands | Cluster:05: Tataguni | FLD, Trainings, Awareness campaign |

Problem cause diagrams attached in Annexure -I

| Sl. No. | Crop/ enterprise | Prioritize d problem | Title of intervention | Technology options | Source of Technology | Name of critical input | Qty per trial | Cost per trial | No. of trials | Total cost for the interven tion (Rs.) | Parameters to be studied | Team members |
|---------|---------------------|--|--|--|-------------------------|---|----------------------|-------------------|------------------|---|---|--|
| 7.1 | Paddy | Delayed Planting in Varada River belt due to | KMP-105 short duration paddy variety as a contingent crop plan for | TO1: MTU - 1010 TO2: Rashi | UAS, Dhrawad | | | | | | Plant height, No.of Tillers, Panicle length, | SMS(Agron omy) SMS(Entom ology) Farm |
| | | Flood cuased by heavy rain during July month | Kharif | TO3: KMP-105 | UAS, Bangalore | Seeds (KMP- 105) | 12.5 | 400 | 10 | 2100.00 | length, No.of Grains per panicle,Grai n wt per Panicle, Grain yield, Straw yield, Pest and Disease | Manager SMS(Hortic ulture) |
| 7.2 | Paddy | Army worm & Rice swarming caterpillar | Management of army worm in Paddy though poison bait technique in flood | Indiscriminant use of pesticides Chlorpyriphos 20EC 2ml/l or | UAS Dharwad | Monocrotoph os 36 SL | 150 ml | | 5 | 950.00 | •No. of larvae / m ² •No. of infested hills/m ² | SMS (Agril. Ent), SMS(Agr) SMS (Hort) |
| | | | effected area | Monocrotophos 36 SL @ 1.3ml/l 3. Monocrotophos poison bait | UASB | Monocrotoph os 36 SL Jaggery Rice bran | 100ml 1kg 10kg | 280 | | | •Growth and yield parameters | |
| 7.3 | French Beans | Lack of commercia l cultivation | Introduction of new varieties of French bean | 1 Local Varieties 2 Arka Anoop | IIHR, Bangalore | Seeds | 1.5 kg | 600 | 05 | 3000.00 | •No. of Pods/plant •Pod Length •Yield | SMS(Hort) SMS(Agr) SMS(Ent) |
| | | | | 3 Arka Sharat | IIHR, Bangalore | Seeds | 1.5 kg | | | | •Economics •Farmer's opinion | |

7. Technology Assessment during 2014-15

| 7.5 | Maize | Water shortage during summer, degradatio n soil of fertility and built of pest and diseases due to Mono cropping | Evaluation of Maize+Cowpea cropping system for Paddy fallows | 1: Paddy 2: Maize 3: Maize + Cowpea | UAS, Dharwad | Maize (Sampanna) Cowpea (IT 9601) Soil Testing | 5kg 5kg 06 | 2700 | 5 | 13500.00 | Yield MEY Economics Paddy yield | SMS(Agr) SMS(Ent) SMS(Hort) |
|-----|-------------|--|---|---|--|---|-------------------------------------|--------|----|----------|---|---|
| 7.6 | Ginger | Shoot borer | Management of shoot borer in Ginger | 1. Indiscriminate use of insecticides 2. Spraying of Dimethoate 30 EC @ 1.7ml/1 3. Spraying of Lamda Cyhalothrin @1ml/1 | UAS Dharwad UAS,Bang alore (Zone-6) | Dimethoate 30 EC Lambda Cyhalothrin | 200 ml | 250.00 | 05 | 1250.00 | •Shoot borer incidence •Yield | SMS (Agril. Ent), SMS (Hort) SMS(Agr) |
| 7.7 | China aster | Lack of commercia l cultivation | Introduction China aster varieties | 1. Phule ganesh white 2. Phule ganesh Purple 3. Kamini 4. Violet Cushion | UASD & MPKV, Rahuri IIHR , Bangalore | Seeds Protrays Coconut pith | 10g (each Var.) 10 10kg | 700 | 05 | 3500.00 | No of flowers/pt Yield/plot Economics Farmer's opinion | SMS(Hort) SMS(Agr) SMS(Ent) |
| 7.8 | Black gram | Low yield | Pulse wonder for Enhancing productivity of Blackgram in Acid soil | 1: No Manures and Fertilizer 2:RDF (FYM @ 5 t/ha & 25:50 kg NP kg/ha) 3: RDF + Pulse wonder spray | TNAU | Pulse wonder DAP Biofertilizer(PSB& Rhizobium) | 500g 12.5 kg 50g | 550 | 5 | 2750.00 | Plant ht. No.of Pods No.of good grain in the pod Grain yield per plant and Hectare Pest and disease | SMS(Agro nomy) Farm Manager (Soil scientist) SMS(Ento mology) |

8. Technology Refinement during 2014-15 - NIL-

| 9. Fr | ontline Dem | onstrations | during | 2014 | -15 |
|-------|-------------|-------------|--------|------|-----|
|-------|-------------|-------------|--------|------|-----|

| S. No. | Category | Crop/ enterprise | Prioritized problem | Technology to be demonstrated | Specify Hybrid or Variety | Name of the Hybrid or Variety | Source of Technol | Name of critical input | Qty per Demo | Cost per Demo | No. of Demo | Total cost for the Demo (Rs.) | Parameters to be studied | Team members |
|-----------|----------|---------------------------|---|--|---------------------------------|---|----------------------------|---|---|---|----------------|-------------------------------------|---|--|
| 9.1 | Cereals | Paddy | Poor soil fertility Blast incidence Leaf folder,stem borer, ear head bug infestations | Advanced production technologies for profitable Paddy cultivation | Variety | Mugad Siri- 1253 Asha Abhilash | ogy UAS Dharwad , | Sol Testing Diancha/ sunhemp seeds Paddy Seeds Azospirillum PSB ZnSO4 Carbendazim 80 wp Tricyclazole Pheromone traps with <i>Scirpophaga</i> <i>incertullas</i> lures Imidachloprid Chlorpyrifos 20 EC Nimbicidine 300 ppm Malathion 50 EC | 01 10kg 25kg 500g 500g 8kg 60g 200g 4traps+ 16 lures 120ml 800ml 1.5 1 600ml | $\begin{array}{c} 200.00\\ 800.00\\ 750.00\\ 30.00\\ 500.00\\ 60.00\\ 500.00\\ 350.00\\ 200.00\\ 350.00\\ 750.00\\ 200.00\\ 200.00\\ \end{array}$ | 15 | 70800.00 | Plant height No. of tillers / hill Insect pest & disease incidence Panicle length Yield Economics | SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager |
| | | Paddy transplante r | Labour scarcity | Mechanized Paddy transplanter – combat labour scarcity in paddy cultivation | | | - | Transplanter hiring charges Plastic sheets Carbaxin + Thiram Soil Testing | - 20 mtr 50g 01 | 2400.00 1200.00 170.00 200.00 | 12 | 49625.00 | Plant height No.of tillers Yield/ha Cost of Planting Labour saing % Net profit Economics | SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager |
| | | Maize | Low yield Poor fertility, Weeds, Stem borer and Root rot | ICM in Maize with special emphasis on weed and nutrient management | Hybrid | CP-818/ Sampanna | | Atrazine MOP ZnSO4 Borax Cypermethrin Propiconozole Soil Testing | 1kg 25 kg 8 kg 4 kg 125 ml 500 ml 01 | $\begin{array}{r} 400.00\\ 450.00\\ 500.00\\ 360.00\\ 200.00\\ 700.00\\ 200.00\end{array}$ | 15 | 42150.0 | Plant height, Cob length Grain yield Weed control efficiency % Insect Pest and disease control Economics | SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager |

| | | Paddy | Water scarcity during summer | KMP-105 short duration Paddy variety for escaping moisture stress during summer | Variety | KMP-105 | UASB | Sol Testing Paddy Seeds Azospirillum PSB ZnSO4 Carbendazim 80 wp Tricyclazole MOP Chlorpyrifos 20 EC Nimbicidine 300 ppm Malathion 50 EC | 01 25kg 500g 500g 8kg 60g 150 25 kg 800ml 1.5 1 600ml | $\begin{array}{c} 200.00\\ 750.00\\ 30.00\\ 500.00\\ 60.00\\ 500.00\\ 400.00\\ 350.00\\ 750.00\\ 250.00\\ \end{array}$ | 10 | 38200.00 | Plant height No. of tillers / hill Insect pest & disease incidence Panicle length Yield Economics | SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager |
|-----|----------|------------|---|--|---------|---------|----------------|---|---|--|----|----------|---|--|
| 9.2 | Millets | Croundruit | Low fortility | ICM In Crown J | Variaty | CPDD 4 | LIASD | Saada | 40 ha | 4500.00 | 10 | 66000.00 | | SMS(Ent) |
| 9.3 | Oilseeds | Groundnut | Low fertility Low yield Spodoptera, Leaf Miner & Collar Rot Poor Peg Penetration, | ICM In Ground nut | Variety | GPBD-4 | UASD | Seeds Carbaxin 75 WP Rhizobium PSB Gypsum Profenophos 50 EC <i>Nomuraea rileyi</i> 1X1011 conidia/g @ 2 g/l Pheromone traps with spodo lures Soil Testing | 40 kg 180g 1kg 200kg 500ml 500g 4 traps + 16 lures 1 | $\begin{array}{c} 4500.00\\ 250.00\\ 60.00\\ 800.00\\ 400.00\\ 100.00\\ 320.00\\ 200.00\\ \end{array}$ | 10 | 66900.00 | %Germination No of Spodoptera moths trapped Insect pest & disease incidence No of pods per plant Yield Economics | SMS(Ent) SMS(Agr) SMS (Hort) |
| 9.4 | Pulses | Blackgram | Low yield Poor fertility Sucking Pest and Powdery mildew | Enhancing productivity of Blackgram under Paddy residual moisture | Variety | DU-1 | UAS Dharwad | Seeds Rhizobium PSB Trichoderma Dimethoate 30EC @ 1.7 ml/l Hexaconazole Soil Testing | 8 kg 200 g 200 g 50 g 500 ml 250 ml 01 | 720.00 20.00 20.00 20.00 200.00 200.00 200.00 | 15 | 20700.00 | Plant height No.of Leaves per plant No.of nodules /pl Yield Economic Pest and disease incidence | SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager |

| 9.5 | Commerci al crops | Cotton | Square & boll dropping Sucking Insects and Black arm disease | IPM in Bt Cotton | Hybrid | BG-II | UASD | Bhendi seeds Acetamaprid Streptocycline Sulphate COC Planofix Pheromone traps with heli lures Soil Testing | 500 g 40 g 100 g 750g 100 ml 2+8 lures 01 | 150.00 100.00 850.00 400.00 200.00 200.00 | 10 | 19600.00 | Insect population on trap crop Insect pest & disease incidence Yield Economics | SMS(Ent) SMS(Agr) SMS (Hort) |
|-----|-------------------------|-----------------|--|---|---------------------|---|----------------------------|--|---|--|----|----------|---|--|
| 9.6 | Horticultu ral crops | Arecanut | Low yield, nut dropping and splitting Root grub | Promising technology to tackle Nutdrop & Rootgrub in Arecanut | variety | local | CPCRI & UASD | Dolomite ZnSO4 Borax <i>Metarizium</i> <i>anisopliae</i> 1X1011 conidia Soil Testing | 1 q 27.5kg 14kg 24kg 2 | 400.00 1800.00 2500.00 2800.00 400.00 | 10 | 79000.00 | No.of Nut drop/plant % Reduction in nut drop Yield/pl %Pest and disease incidence Economics | Farm Manager SMS (Ent) SMS (Agr) SMS (Hort) |
| | | Ginger | Low yield Rhizome rot complex disease | Management of rhizome rot complex disease of ginger | Variety | Himachal | UASD | Streptocycline COC @ 3g /l Bleaching powder 33% Metalaxyl Mz Soil Testing | 75g 450g 800g 400g 01 | 630.00 250.00 50.00 740.00 200.00 | 10 | 18700.00 | % reduction in disease incidence Microbial studies Earthworm counts Yield Economics | SMS (Hort) SMS(Ent) SMS(Agr) |
| | | Mango | Flower dropping Leaf hoppers MSDS Bark Weevil | Enhancing fruit set & yield in Mango | Variety / Hybrid | Alphanso, Panchami, Mallika, Pairi | UASD IIHR, Bangalore | Planofix Mango special Malathion Acephate COC Fruit fly trap Soil Testing | 200 ml 8 kg 1600 ml 800ml 150g 04 01 | 80.00 1200.00 700.00 450.00 280.00 300.00 200.00 | 15 | 48150.00 | % fruit set Yield % Pest & Disease Incidence Economics | SMS (Hort) SMS(Ent) SMS(Agr) Farm Manager |
| | | Blackpep per | Foot rot disease Death of Vines | Foot rot Management in black pepper | Variety | Panniyur- 1 | UASD | 200 gauge UV resistant polythene sheet Neem cake Trichoderma Soil Testing | 40 sq. mt 25kg 1.25kg 01 | 2500.00 375.00 150.00 200.00 | 10 | 32250.00 | % death of vinesYieldEconomics | SMS (Hort) SMS (Ent) SMS(Agr) |
| | | Pineapple | Low yield due to Heart rot disease | Heart rot management in pineapple | Variety | Queen | UAS Dharwad | Trichoderma Metalaxyl MZ Fosetyal Soil Testing | 4kg 200g 1000g 01 | 400.00 500.00 2600.00 200.00 | 10 | 37000.00 | % Diseasse IncidenceYieldEconomics | SMS (Hort) SMS(Ent) SMS(Agr) |
| 9.7 | Livestock | | | | | | | | | | | | | |
| 9.8 | Fisheries | | | | | | | | | | | | | |

| 9.9 | Others (Agrofore stry) | Sheme bamboo (Oxytenet hener stocksii) | Farm bunds are not utilized effectively for crop production, An economic crop as live fence and income generating enterprise | Cultivation of Sheme bamboo as additional source of income | Rhizom es | Rhizomes | UASD | Sheme bamboo rhizomes | 20 | 2000.00 | 5 | 10000.00 | Survival percent, No. of culms,culm girth ad length. Yield and BC ratio | SMS(Agro forestry) & All Technical staff |
|-----|------------------------------|--|--|--|---|----------|---|--|-----------------------|--------------------------------------|---|-------------|---|--|
| | | Subabul Garcinia indica (Kokum) Mango (Appemid i) and Guinea grass | Poor management, low composiotion, land available for aerable crops is meager, land available for growing tree crops is plenty, | Effective utilization of bettalands through silvi- horti-pastoral system for sustainable land use | seedling | seedling | UASD | Seedlings Jack Kokum Appemidi Guinea grass | 10 10 04 500 | 500.00 250.00 180.00 500.00 | 5 | 7150.00 | Survival percent, No. of shoots, Fruit /seed yield/plant Grass yield | Prog. Asst(Agrof orestry) & All Technical staff |
| | IFS Module | Low income | IFS module for family empowerment | IFS module for sustainable enterprises | Agricult ure (Paddy, Maize, Black gram) Horticul tu re (Ginger, Banana, Floricult ure) Dairy Poultry Aozall, vermico mpostin g | UAS D | Shade net Plastic sheet Poultry birds (Local and Swarndha ra Birds) Broiler chiks Vermi- compostin g Unit (Plastic) | - | - | 20,000 | 5 | 1,00,000.00 | Daily Income or Monthly Income Income from different enterprises Working days | SMS(Agr) SMS(Ent) SMS (Hort) |

| Commerci | Low yield, | Farmers | Technology | UAS | Planting | | 100000.00 | 1 | 100000.00 | No .of Visitor, | SMS |
|----------------------|--|---|---|---------|---|------|-----------|---|-----------|--|------------------------------------|
| al crops Sugard e | n Poor soil fertility, Weeds, Moisture Stress during summer, Lack of Knowledge, Lack of Required resources | Participatory Sugacane Knowledge and resource Centre | Park- SSI, Pit method , Wider row spacing Drip with Fertigation Mulching with Trash, Weed management Technique, Jaggery Making, Compost making, Inter cropping Resource Point- Sugarcane seedling production, Jaggery Production, Sale of Biofertilizers , etc. | Dharwad | Material Vermico mpost Unit Compost making Unit Juice Extraction Machine (Small) Juice boiling Pan | | | | | Spread of Technology, Famil income | (Agr) SMS(Ent) SMS (Hort) |

| S.No. | Thematic area | Crop / Enterprise | Major problem | Related field intervention (OFT/FLD)* | Training Course Title** | No. of Courses | Expected No. of participants | Names of the team members involved |
|-------|-----------------|----------------------|---|---|--|-------------------|------------------------------------|--|
| 10.1 | Crop Production | Paddy | Poor fertility Lesser tillers Low yield | FLD:Production technologies for profitable paddy cultivation | INM in Paddy | 4 | 120 | SMS (Agronomy) Farm manager ,SMS(Ent) SMS(Hort) |
| | | | Poor fertility Lesser tillers Low yield | FLD:Production technologies for profitable paddy cultivation | Bio-fertilizer importance and its application method | 3 | 90 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | Lobour scarcity | FLD: Mechanized Paddy transplanter | Dapog method of nursery production | 5 | 150 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | Maize | Weeds | FLD: ICM in Maize with special emphasis on weed and nutrient management | Weed management in Maize | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | Poor fertility | FLD: ICM in Maize with special emphasis on weed and nutrient management | Nutrient management in Maize | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | Poor fertility Water scarcity | OFT: Maize +Cow pea cropping system for summer | Sowing method of Maize + Cowpea inter crop during summer | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | Black gram | Low yield Poor fertlity | FLD : Enhancing productivity of black gram under residual moisture | Seed treatment with bio-fertilizers | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | Low yield Poor fertlity | OFT: Pulse wonder spray for black gram under Acid soil situation | Pulse wonder spray for enhancing yield of black gram | 1 | 30 | SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort) |
| | | Ground nut | Low yield Poor fertility Poor peg penetration | FLD : ICM in Ground nut | Gypsum importance and its method of application | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | | FLD : ICM in Ground nut | Seed treatment with bio-fertilizers | 2 | 60 | SMS (Agronomy) SMS(Ent) SMS(Hort) |

10 Training for Farmers/ Farm Women during 2014-15

| | | Sugarcane | Low yield Poor fertility Water scarcity | Innovative approach: FPSKRP | Planting method in Sugarcane | 1 | 30 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
|------|----------------------------|-------------|---|---|---|----|----|---|
| | | | | Innovative approach: FPSKRP | INM in Sugarcane | 2 | 60 | SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort) |
| | | | | Innovative approach: FPSKRP | Drip Irrigation and fertigation in Sugarcane | 1 | 30 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | | Innovative approach: FPSKRP | SSI method of Sugarcane cultivation | 1 | 30 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| | | | | Innovative approach: FPSKRP | Trash management and mulching in Sugarcane | 1 | 30 | SMS (Agronomy) SMS(Ent) SMS(Hort) |
| 10.2 | Horticulture Production | Mango | Flower & fruit drop | FLD: Enhancing fruit set and yield in Mango | • Management of flower and fruit drop in mango | 01 | 25 | SMS(Hort) SMS (Agr) SMS(Ent) |
| | | Mango | Poor soil fertility | FLD: Enhancing fruit set and yield in Mango | • Integrated Nutrient Management in mango | 01 | 20 | SMS(Hort) SMS (Agr) SMS(Ent) |
| | | Blackpepper | Poor quality seedling | | • Seedling production through CMS Technology | 01 | 20 | SMS(Hort) SMS (Agr) SMS(Ent) Farm Manager |
| | | Pineapple | Low yield | FLD: Management of heart rot of pineapple | Scientific Production technology of pineapple | 02 | 50 | SMS(Ent) SMS(Hort) SMS (Agr) |
| 10.3 | Livestock Production | | | | | | | |
| 10.4 | Home Science | | | | | | | |
| 10.5 | Plant Protection | Mango | Leaf hoppers and powdery mildew | FLD: Enhancing fruit set and yield in Mango | Plant Protection measures in mango | 01 | 25 | SMS(Ent) SMS(Hort) SMS (Agronomy) |
| | | Mango | Fruit fly | FLD: Enhancing fruit set and | • Management of | 01 | 30 | SMS(Ent) |

| | | | yield in Mango | mango fruit flies through traps | | | SMS(Hort) SMS (Agronomy) |
|--|------------|---|---|--|----|----|---|
| | Paddy | Blast | FLD: Advanced production technologies for paddy cultivation | • Importance of Seed treatment | 02 | 50 | SMS(Ent) SMS (Agronomy) |
| | Paddy | Blast, leaf folder, Ear head bug, WBPH | FLD: Advanced production technologies for paddy cultivation | Identification of damage symptoms of insects and diseases of paddy and their management | 03 | 65 | SMS(Ent) SMS (Agronomy) |
| | Paddy | Stem borer | FLD: Advanced production technologies for paddy cultivation | • Monitoring of stem borer through pheromone traps | 01 | 45 | SMS(Ent) SMS (Agronomy) |
| | Ground nut | Aphids, Leaf miner, Spodoptera, Collar rot | FLD : ICM in Groundnut | • Identification of damage symptoms of insects and diseases of groundnut and their management | 01 | 20 | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| | Banana | Panama wilt and pseudo stem weevil | | • Low cost technology in panama wilt management | 01 | 25 | SMS(Ent) SMS(Hort) |
| | Arecanut | Root grub | FLD:Promising technology to tackle nutdrop and rootgrub in Arecanut | • Integrated management of arecanut rootgrub | 03 | 50 | SMS(Ent) SMS(Hort) SMS (Agronomy) |
| | Ginger | Rhizome rot complex, shoot borer | OFT: Management of shoot borer in ginger | • Diagnosis of shoot borer and rhizome rot complex diseases symptoms and IPM | 01 | 20 | SMS(Ent) SMS(Hort) SMS (Agronomy) |
| | Cotton | Shoot weevil | FLD : IPM in <i>Bt</i> cotton | • Importance of bhendi as trap crop in pest management | 01 | 25 | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| | Cotton | Black arm | FLD : IPM in Bt cotton | • Diagnosis of black arm disease symptoms and management | 01 | 30 | SMS(Ent) SMS (Agronomy) SMS(Hort) |

| 10.6 | Production of Inputs at Site | Sugarcane | Non availability of seedlings | Innovative approach on FPSKRP | Production of Seedlings by single Eye bud | 1 | 30 | SMS (Agronomy) SMS(Ent.) SMS (Hort) |
|-------|---------------------------------|---|---|---|--|-----|-----|--|
| | | Paddy | Non availability | FLD : KMP-105 short duration paddy variety for summer and late kharif | Seed production KMP-105 | 1 | 15 | SMS (Agronomy) SMS(Ent.) SMS (Hort) |
| | | | | | | | | |
| 10.7 | Soil Health and Fertility | Soil test based fertilizer application | Inadaquate use of fertilizers | FLD:Promising technology to tackle nutdrop and rootgrub in Arecanut FLD: Advanced production technologies for paddy cultivation | Importance of soil test based fertilizer application | 04 | 100 | Farm manager,SMS(agr), SMS(Ent) SMS(Hort) |
| 10.8 | PHT and value addition | Mango | Drudgery & crop damage during harvesting, | FLD: Enhancing fruit set and yield in Mango | • Use of mango harvester | 01 | 25 | SMS(Hort) SMS(Ent) SMS (Agr) |
| 10.9 | Capacity | | | | | | | |
| | Building | | | | | | | |
| | Group | | | | | | | |
| 10.10 | Dynamics | | | | | | | |
| 10.10 | Mechanization | | | | | | | |
| 10.11 | Fisheries | | | | | | | |
| | Production | | | | | | | |
| | Technologies | | | | | | | |
| 10.12 | Mushroom | | | | | | | |
| | production | | | | | | | |
| | | | | | | 0.1 | • | D. A. I. |
| 10.13 | Agro forestry | Melia dubia | Income, small timber and fuel wood, ecological degradation | | Production technology of <i>Melia dubia</i> | 01 | 20 | Progr Asst (Agroforestry) SMS ((Agroforestry)) SMS (Agronomy) SMS (Entomology) |

| | | Tree fodder crops | Scarcity of fodder, small timber | - | Tree fodder species of Uttara Kannada- | 01 | 30 | Progr Asst (Agroforestry) SMS ((Agroforestry)) SMS (Agronomy) |
|-------|------------------------|---------------------------|---|---|--|----|----|--|
| | | Forest Tree Species | Low % of seed germination, Lack of true to type characters | - | Vegetative propagation techniques for forest tree species | 01 | 25 | SMS(Agroforestry, Agronomy, Horticuture, Entomology) Prog.Asst(Agroforestry) |
| 10.14 | Bee Keeping | | | | | | | |
| 10.15 | Sericulture | | | | | | | |
| | Others, pl. specify | | | | | | | |

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

11. Training for Rural Youth during 2014-15

| S.No. | Thematic area | Crop / | Major | Related field intervention | Training Course Title** | No. of | Expected | Names of the team |
|-------|---------------|--------------|-----------------|--------------------------------|-----------------------------|---------|--------------|-------------------|
| | | Enterprise | problem | (OFT/FLD)* | | Courses | No. of | members involved |
| | | | | | | | participants | |
| 11.1 | Crop | Sugarcane | Non | Innovative approach | Seedling production by | 2 | 60 | SMS(Agronomy) |
| | Production | | availability of | | single eye bud | | | SMS(Hort) |
| | 110440000 | | seedlings | | | | | SMS(Ent) |
| | | | Labour | FLD : Mechanized Paddy | Dopag Method of nursery | 1 | 20 | SMS(Agronomy) |
| | | | scarcity | transplanter | production | | | SMS(Hort) |
| | | | | | | | | SMS(Ent) |
| | | | Labour | FLD : Mechanized Paddy | Mechanized Paddy | 1 | 20 | SMS(Agronomy) |
| | | | scarcity | transplanter | Transplanter as IG activity | | | SMS(Hort) |
| | | | | | | | | SMS(Ent) |
| 11.2 | Horticulture | Arecanut | Nut dropping | FLD:Promising technology to | Nutrient management in | 04 | 100 | Farm manager, |
| | Production | | and splitting | tackle nutdrop and rootgrub in | arecanut | | | SMS(Agr), |
| | | | | Arecanut | | | | SMS(Ent) |
| | | | | | | | | SMS(Hort) |
| | | Blackpepper, | Poor Quality | - | Seedling production & | 3 | 60 | SMS(Hort) |
| | | Nutmeg | seedling | | nursery management | | | SMS (Agr) |
| | | | | | | | | SMS(Ent) |
| 11.3 | Livestock | | | | | | | |
| | Production | | | | | | | |

| | | I | | | | | r | |
|-------|---|--|--|---|--|----|-----|---|
| 11.4 | Home Science | | | | | | | |
| 11.5 | Plant Protection | Biopesticides | Lack of knowledge on mass production of biopesticides | | Mass production of Trichoderma, Metarrhizium and Pseudomonas | 01 | 20 | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| 11.6 | Production of Inputs at Site | | · · · · · · · · · · · · · · · · · · · | | | | | |
| 11.7 | Soil Health and Fertility | Soil test based fertilizer application | Inadaquate use of fertilizers | FLD:Promising technology to tackle nutdrop and rootgrub in Arecanut FLD: Advanced production technologies for paddy cultivation | Importance of soil test based fertilizer application | 04 | 100 | Farm manager, SMS(Agr), SMS(Ent) SMS(Hort) |
| 11.8 | PHT and value addition | Horticulture crops | Lack of knowledge of processing | - | Preparation of juices, jams using fruits, vegetable and medicinal plants | 02 | 40 | SMS(Hort) SMS (Agr) SMS(Ent) |
| 11.9 | Capacity Building Group Dynamics | | | | | | | |
| 11.10 | Farm Mechanization | | | | | | | |
| 11.11 | Fisheries Production Technologies | | | | | | | |
| 11.12 | Mushroom production | | | | | | | |
| 11.13 | Agro forestry | | | | | | | |
| 11.14 | Bee Keeping | Bee keeping | Lack of knowledge on scientific bee keeping practices | - | Bee keeping- a subsidiary income for rural youths | 01 | 15 | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| 11.15 | Sericulture | | | | | | | |
| | Others, pl. specify | | | | | | | |

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred. 12 Training for Extension Personnel during 2014-15

| S.No. | Thematic area | Training Course Title** | No. of Courses | Expected No. of participants | Names of the team members involved |
|-------|---|---|-------------------|---------------------------------|---|
| 12.1 | Crop Production | Nutrient deficiency and its management in Maize | 2 | 50 | SMS(Agronomy) Farm Manager SMS (Hort) SMS (Ent) |
| | | Planting method of Sugarcane | 1 | 20 | SMS (Agronomy) SMS(Hort) SMS(Ent) |
| | | Nutrient deficiency and its management in Paddy | 2 | 60 | SMS(Agronomy) Farm Manager SMS (Hort),SMS (Ent) |
| 12.2 | Home Science | | | | |
| 12.3 | Capacity Building and Group Dynamics | | | | |
| 12.4 | Horticulture | Production technology of Mango | 01 | 20 | SMS(Hort) SMS (Agr) SMS(Ent) |
| 12.5 | Livestock Production & Management | | | | |
| 12.6 | Plant Protection | Pest surveillance and monitoring | 01 | 30 | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| 12.7 | Farm Mechanization | | | | |
| 12.8 | PHT and value addition | | | | |
| 12.9 | Production of Inputs at Site | | | | |
| 12.10 | Agroforestry | Tree fodder species of Uttara Kannada | 01 | 20 | Progr Asst (Agroforestry) SMS ((Agroforestry)) SMS (Agronomy) SMS (Entomology) |
| | | Vegetative propagation of tree species | 01 | 20 | SMS ((Agroforestry)) Progr Asst (Agroforestry) SMS (Agronomy) SMS (Entomology) |
| 12.11 | Fisheries | | | | |

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

13 Vocational trainings during 2014-15

| SI.No. | Thematic area and the Crop/Enterprise | Training title* | No. of programmes and Duration (days) | Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.) | Expected No. of participants | Sponsoring agency if any | Names of the team members involved |
|--------|--|---|--|---|---------------------------------|-----------------------------|---|
| 13.1 | Crop Production | Vermi-composting | 1 & 6 days | SHGs | 30 | - | SMS(Agronomy) |
| 13.2 | Home Science | | | | | | |
| 13.3 | Capacity Building and Group Dynamics | | | | | | |
| 13.4 | Horticulture | Protected Cultivation | 1 & 6 days | Rural Youths | 20 | - | SMS(Hort) SMS(Ent),SMS (Agr) |
| 13.5 | Livestock Production & Management | | | | | | |
| 13.6 | Plant Protection | Bee keeping | 1 & 6 days | Rural Youths | 25 | - | SMS(Ent) SMS (Agronomy) SMS(Hort) |
| 13.7 | Farm Mechanization | Dapog Nursery and Mecchanized transplanter in Paddy | 1 & 15 days | Rural Youths | 20 | SRIJAN NGO | SMS (Agronomy) SMS(Ent) SMS(Hort) SMS(AgroForestry |
| 13.8 | PHT and value addition | | | | | | |
| 13.9 | Production of Inputs at Site | | | | | | |
| 13.10 | Sericulture | | | | | | |
| 13.11 | Fisheries | | | | | | |

* Training title should specify the major technology/skill to be transferred.

14 Sponsored trainings during 2014-15

| Sl.No. | Thematic area and the | Training title* | No. of | Type of | Expected | Sponsoring | Names of the |
|--------|-------------------------|---------------------------|------------|----------------------------|--------------|-----------------------------|-----------------------------|
| | Crop/Enterprise | | programmes | Participants (SHCs_NVKs | number of | agency | team members |
| | | | (days) | School students. | participants | | nivoiveu |
| | | | (| Women, Youth | | | |
| | | | | etc.) | | | |
| | Crop Production | | | Farmer | 60 | KSDA | SMS(Agronomy) |
| 14.1 | | Production Technologies | 2 & 6 days | Facilitators | | Bhuchetan | SMS(Ent) |
| | | in Field Crops | 5 | | | Programme | SMS(Hort) |
| | | | | Dural Vutha | 150 | KSDA under | SMS(Agronomy) |
| | | Production Technologies | | Kulai Tuuis | 150 | RSDA under Rhuchetan and | SMS(Agronomy) |
| | | in Field Crops | 5 & 2 days | | | ATMA | SMS(Hort) |
| | | in ricid crops | | | | | Farm Manager |
| 14.2 | Home Science | | | | | | |
| 14.2 | Capacity Building and | | | | | | |
| 14.3 | Group Dynamics | | | | | | |
| 14.4 | Horticulture | Vegetable & fruit | 2& 1 days | Women, SHGs | 100 | Dept. of | SMS(Hort) |
| 11.1 | | processing | 200 1 duy5 | | | Horticulture | |
| 14.5 | Livestock Production | | | | | | |
| | & Management | | | | 0.0 | | |
| | Plant Protection | | | Rural Youth | 80 | Coconut | SMS(Ent) SMS(Hort) |
| | | Coconut Palm climbing and | | | | Board | SMS(Holt) SMS (Agronomy) |
| 14.6 | | plant protection | 4 & 6 days | | | Bangalore | Sivis (rigronomy) |
| | | | | | | NRLM, | |
| | | | | | | Bangalore | |
| | Farm Mechanization | Dopag Nurserv and | | Rural Youth | 60 | KSDA under | SMS(Agronomy) |
| 14.7 | | Mechanized Paddy | 2 & 2 days | | | Bhuchetan and | SMS(Ent) |
| | | transplanter | 5 | | | AIMA | SMS(Hort) |
| | DUT and value | | | | | | Farm Manager |
| 14.8 | addition | | | | | | |
| | Production of Inputs at | | | | | | |
| 14.9 | Site | | | | | | |
| 14 10 | Sericulture | | | | | | |
| 14 11 | Fisheries | | | | | | |

* Programme title should specify the major technologies/skills to be transferred /refreshed.

| 1 7 | F / · | | 1 . | 0014 15 |
|-----|--------------|------------|--------|-----------|
| 15 | Extension | nroorammee | during | 2014 - 15 |
| 1 | LAGIISIOII | programmes | uuring | 2017-15 |

| Sl.No. | Extension Programme/ Activity* | No. of programmes or activities | Expected number of participants | Names of the team members involved |
|--------|---------------------------------------|---------------------------------|---------------------------------|---------------------------------------|
| 15.1 | Advisory Services | 35 | 2500 | PC & All SMS |
| 15.1 | Diagnostia visita | 40 | 120 | |
| 15.2 | Field Day | 40 | 500 | |
| 15.5 | Crown discussions | 5 | 100 | |
| 15.4 | View Charthi | 3 | 100 | |
| 15.5 | | 05 | 1000 | PC & All SMS |
| 15.6 | Film Show | 02 | 500 | PC & All SMS |
| 15.7 | Self -help groups | | | |
| 15.8 | Kisan Mela | | | |
| 15.9 | Exhibition | 07 | 100000 | PC & All SMS |
| 15.10 | Scientists' visit to farmers field | 160 | 280 | PC & All SMS |
| 15.11 | Plant/Soil health/Animal health camps | 01 | 200 | PC & All SMS |
| 15.12 | Farm Science Club | | | |
| 15.13 | Ex-trainees Sammelan | 02 | 50 | PC & All SMS |
| 15.14 | Farmers' seminar/workshop | 02 | 500 | PC & All SMS |
| 15.15 | Method Demonstrations | 20 | 200 | PC & All SMS |
| 15.16 | Celebration of important days | 05 | 200 | PC & All SMS |
| 15.17 | Special day celebration | 01 | 20 | PC & All SMS |
| 15.18 | Exposure visits | 05 | 100 | PC & All SMS |
| 15.19 | Technology week, | 01 | 500 | PC & All SMS |
| 15.20 | FFS | 01 | 30 | PC & All SMS |
| 15.21 | Farm innovators meet | 01 | 200 | PC & All SMS |
| 15.22 | Awareness programs | 02 | 500 | PC & All SMS |
| 15.23 | Mass Media Coverage | 10 | | PC & All SMS |
| 15.24 | Video Preparation | 02 | | PC & All SMS |
| 15.25 | Print Media | 10 | | PC & All SMS |

16. Activities proposed as Knowledge and Resource Centre during 2014-15 16.1 Technological knowledge

| Sl.No. | Category | Details of technologies | Area (ha)/ Number | Names of the team members involved |
|--------|---------------------------------|---|----------------------|--|
| 16.1.1 | Technology Park/ Crop cafeteria | New varieties of Paddy, Black gram, Cow pea, Ground nut and Maize, Mechanized paddy transplanter | 0.20 ha | SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort) |
| 16.1.2 | Demonstration Units | Azolla, Foddder Unit, Vermicompost, Composting methods, Nutrition garden | 0.10 ha | SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort) |
| 16.1.3 | Lab Analytical services | | | |
| 16.1.4 | Technology Week | Seed treatment with pesticeds, Biofertilizers & Biopesticides. Farm Mechanization, Post Harvest Technology Farmers innovations Seedling production Exhibition | _ | SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort) |

16.2 Technological Products

| Sl.No. | Catagory | Name of the Production | Name of the | Quantity (q)/ Number planned to | Names of the team members |
|--------|--------------------|------------------------|-------------|---------------------------------|---------------------------|
| | Category | Partner Agency, if any | product | be produced during 2014-15 | involved |
| 16.2.1 | Seeds | Farmers | KMP-105 | 200 q | SMS(Agronomy) |
| | | | | | |
| | | | | | |
| 16.2.2 | Planting materials | Farmers | Sugarcane | 50000(nos) | SMS(Agronomy) |
| 16.2.3 | Bio-products | | | | |
| 16.2.4 | Livestock strains | | | | |
| 16.2.5 | Fish fingerlings | | | | |

16.3 Technological Information

| | Category | Technological capsules / Number | Names of the team members involved |
|--------|---|--|---|
| 16.3.1 | Technology backstopping to line departments | | |
| | Agriculture | Seed treatment, Planting Methods, Sowing Methods, INM, IPM,Weed Managment | SMS(Agronomy , Entomology, Horticulture) |
| | Horticulture | Blackpepper production Technology, Commercial Floriculture | SMS(Horticulture, Entomology,Agronomy) |
| | Animal Husbandry | | |
| | Fisheries | | |
| | Agricultural Engineering | | |
| | Sericulture | | |
| | Others, pl. specify | | |
| | | | |
| 16.3.2 | | Tree Fodder species of UK, Halivana mattu Tadasalu – A source of fodder / 500 each | Prog. Asst(Agroforestry) SMS(Agroforestry) |
| | Literature/publication | INM in Sugarcane(1000) SSI in Sugarcane(1000) Sugarcane Trash Management(500) Nutrient deficiency symptoms of field crops (manual)(500) | SMS(Agronomy) |
| 16.3.4 | Electronic Media | DVD on Dapog Nursery Preparation and transplanting through machine/ 500 | SMS(Agronomy),Prog,Asst(Comp) |
| 16.3.5 | Kisan Mobile Advisory Services | 35 | All Technical Staff |
| 16.3.6 | Information on centre/state sector schemes and service providers in the district. | | |

17. Additional Activities Planned during 2014-15

| S.No. | Name of the agency / scheme | Name of activity | Technical programme with quantification | Financial outlay (Rs.) | Names of the team members involved |
|-------|-----------------------------|------------------|---|------------------------|---|
| 17.1 | UAS,Dharwad | Research | Survey and surveyalance of major pests of field and horticultural crops in UK district | _ | Dr. R.S.Patil |
| | UAS,Dharwad | Research | Studies on LAC cultivation in UK District | 1.5 lakhs | Dr.R.S.Patil Kum. Akkamahadevi Agasimani |

18. **Revolving Fund**

18.1 Financial status

| Opening balance as on 01.04.2013 (Rs.in Lakh) | Expenditure incurred during 2013-14 (Rs.in Lakh) | Receipts during 2013-14 (Rs.in Lakh) | Closing balance as on 31.01.2014 (Rs.in Lakh) | Expected closing balance by 31.03.2014 (Including value of material in stock/ likely to be produced) |
|--|---|--|--|---|
| 181937 | 10663 | 484313 | 559587 | 659781 |

18.2 Plan of activities under Revolving Fund

| S.No. | Proposed activities | Expected output | Anticipated income (Rs.) | Names of the team members involved |
|--------|----------------------|-----------------|--------------------------|------------------------------------|
| 18.2.1 | Seedling production- | | | |
| | Blackpepper | 3000 | 30000 | SMS(Horticulture, Entomology, |
| | Jasmine | 3000 | 6000 | Agronomy, Agroforestry), Farm |
| | Melia dubia | 500 | 15000 | Manager, Prg. Asst(Agroforestry) |
| | Sheme bamboo | 200 | 20000 | |
| | IBA | 4 kg | 4000 | |

19. Activities of soil, water and plant testing laboratory during 2014-15

| Sl.No. | Туре | No. of samples to be analyzed | Names of the team members involved |
|--------|--------|----------------------------------|---------------------------------------|
| 19.1 | Soil | 500 | Farm manager, |
| 19.2 | Water | 200 | SMS(Agronomy) |
| 19.3 | Plant | | |
| 19.4 | Others | | |

20. E-linkage during 2014-15

| S. No | Nature of activities | Likely period of completion (please set the time frame) | Remarks if any |
|-------|--|--|-------------------------------------|
| 20.1 | Title of the technology module to be prepared | Soil Test Based Fertilizer Ready | Front end: ASP.NET & C# |
| | | Reckoner Software | Backend : Sql Server |
| 20.2 | Creation and maintenance of relevant database system for KVK | OFTs, FLDs, Trainings, Field | Already created , regular updations |
| | | Visits, Method Demonstrations, | and need based modifications |
| | | Media Coverage(Radio,TV, News | |
| | | paper), Field day celebrations, | |
| | | Exhibitions, Organized | |
| | | Seminars/Workshops, Guest | |
| | | Lectures, Seeds/seedling production | |
| | | details. Etc., | |
| 20.3 | Any other (Please specify) | | |
| 21 | A stiviting planned under Deinwater Hawasting Schemes. Not Ann | liaghla | |

21. Activities planned under Rainwater Harvesting Scheme : - Not Applicable-

22. Innovator Farmer's Meet

| Sl.No. | Particulars | Details |
|--------|---|--|
| 22.1 | Are you planning for conducing Farm Innovators meet in your district? | Yes |
| 22.2 | If Yes likely month of the meet | November 2014 |
| 22.3 | Brief action plan in this regard | •Advertisements for inviting |
| | | potential innovators |
| | | Conducting Meeting of |
| | | innovators |
| | | Documentation of innovations |
| | | Selection of potential |
| | | innovations for testing |
| | | • Arranging interaction with the |
| | | innovators |
| | | Promoting useful innovations |
| | | for further development and |
| | | testing |

| S. No | Thematic area | Title of the FFS | Budget proposed in Rs. |
|-------|------------------|-------------------------------------|------------------------|
| 23.1 | Plant protection | Management of rootgrubs in arecanut | 30000.00 |

24.Budget - Details of budget utilization (2013-14) upto 31 January 2014

| | | | | (Rs.) |
|--------------|---|------------|----------|-------------|
| S. | Particulars | Sanctioned | Released | Expenditure |
| 24.1 | Recurring Contingencies | | | |
| 24.1.1 | Pav & Allowances | 4100000 | 4100000 | 3160177 |
| 24.1.2 | Traveling allowances | 135000 | 135000 | 81930 |
| 24.1.3 | Contingencies | | | |
| 24.1.4. 1 | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance | 190000 | 190000 | 126252 |
| B | POL, repair of vehicles, tractor and equipments | 170000 | 170000 | 144445 |
| С | Meals/refreshment for trainees | 70000 | 70000 | 56054 |
| D | Training material | 35000 | 35000 | 16835 |
| E | Frontline demonstration except oilseeds and pulses | 500000 | 500000 | 318627 |
| F | On farm testing | 15000 | 15000 | 6443 |
| G | Training of extension functionaries | 25000 | 25000 | 0 |
| Н | Maintenance of buildings | 50000 | 50000 | 46000 |
| Ι | Extension Activities | 50000 | 50000 | 19544 |
| J | Library | 5000 | 5000 | 3507 |
| k | FFS | 30000 | 30000 | 5999 |
| 24.1 | Total Recurring | | | |
| 24.2 | Non-Recurring Contingencies | | | |
| 24.2.1 | Works | | | |
| 24.2.2 | Equipments including SWTL & Furniture | | | |
| 24.2.3 | Vehicle (Four wheeler/Two wheeler, please specify) | | | |
| 24.2.4 | Library | | | |
| 24.2 | Total Non Recurring | | | |
| 24.3 | REVOLVING FUND | | | |
| 24.4 | GRAND TOTAL (A+B+C) | 5375000 | 5375000 | 3985813 |

25.Details of Budget Estimate (2014-15) based on proposed action plan

| S. No. | Particulars | BE 2014-15 proposed (Rs.) |
|-----------|--|---------------------------------|
| 25.1 | Recurring Contingencies | |
| 25.1.1 | Pay & Allowances | 7300000 |
| 25.1.2 | Traveling allowances | 200000 |
| 25.1.3 | Contingencies | |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 250000 |
| В | POL, repair of vehicles, tractor and equipments | 300000 |
| С | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 100000 |
| D | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 50000 |
| Ε | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 740225 |
| F | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 24300 |
| G | Training of extension functionaries | 25000 |
| Н | Maintenance of buildings | 50000 |
| Ι | Establishment of Soil, Plant & Water Testing Laboratory | 50000 |
| J | Library | 5000 |
| k | FFS | 30000 |
| 25.1 | TOTAL Recurring Contingencies | 9124525 |
| 25.2 | Non-Recurring Contingencies | |
| 25.2.1 | Works | |
| 25.2.2 | Equipments including SWTL & Furniture | 225000 |
| 25.2.3 | Vehicle (Four wheeler/Two wheeler, please specify) | |
| 25.2.4 | Library (Purchase of assets like books & journals) | 20000 |
| 25.2 | TOTAL Non-Recurring Contingencies | 245000 |
| 25.3 | REVOLVING FUND | |
| 25.4 | GRAND TOTAL | 9369525 |

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