



KLE SOCIETY'S

ICAR - KRISHI VIGYAN KENDRA

Mattikopp – 591 147, Bailhongal Taluk, Belagavi District, Karnataka
Ph: 09535604747, e-mail : kvk.Belagavi2@icar.gov.in, Web : www.klekvk.org



e-News Letter

Vol (52)

June 2021

In this Issue >>>>

- On Farm Testing
- Frontline Demonstrations
- Special Programmes
- Virtual training Programmes
- World Milk Day
- World Environment Day
- Roving survey of pest and disease
- Pest survey and surveillance visit
- Method demonstration
- Diagnostic field visit
- International Yoga Day
- SCSP programme
- VIP/ Dignitaries visit to KVK
- ICT activities

Published By

Shri. B.R. Patil

Chairman, ICAR-KLEKVK



Significant Achievements

I. On Farm Testing

Four on farm testing (OFT) based on the problem of the farmers in the identified DFI villages were implemented to assess suitable technology for the village during *kharif* 2021. The lists of ongoing OFTs are given below.

Sl. No.	Crop/ Enterprise	Title of the OFT	Technology demonstrated	Village & Taluk	Stage of the crop
1	Paddy	Assessment of Paddy varieties (RNR-15048, GNV-1089) for higher yield	TO1: BPT-5204 (UAS, Dharwad) TO2: RNR-15048 (DRR-Rajendra Nagar) TO3: GNV-1089 (UAS, Raichur)	Karavinakopp, Khanapur	Initiated
2	Bt.Cotton	Assessment of intercropping system –Bt.Cotton	TO1: Bt.Cotton (Farmer Practice) TO2: Bt.Cotton + Soybean (1:2) (UAS, Dharwad) TO3: Bt.Cotton + Green peas (1:2) (CICR, Nagpur)	Bevinakopp, Bailhongal	Initiated
3	Okra	Assessment of High yielding hybrids in Okra	TO1: Pvt. Hybrids TO2: Co-4 (TNAU, Coimbatore) TO3: Arka Nikita (IIHR, Bengaluru)	Ingalagi, Savadatti	Initiated
4	Maize	Assessment of entmopathogens for management of Fall army worm in maize	TO1: Emamectin benzoate 5%SG (Farmers practice) TO2: Spraying with <i>Metarhizium rileyi</i> @2g/l at 20 DAS, three whorl spray at the interval of 8 days (UAS, Dharwad) TO3: Spraying of <i>Pseudomonas entomophila</i> @20g/l at 20 DAS, four whorl spray at the interval of 8 days (NBAIR, Bengaluru)	Rokkadakatti, Ramdurg Tq	Seedling stage



Okra



Poultry

II. Frontline Demonstrations

The PRA was carried out to know the problems in the selected DFI villages. Action Plan was prepared for implementation of these programmes. Based on the problems of the farmers the following frontline demonstrations (FLD/CFLD) were approved and are being implemented in the farmers field for the *kharif* season. The details of the demonstration carried out are as mentioned below.

Sl. No.	Crop/ Enterprise	Title of the FLD	Technology demonstrated	Village & Taluk	Stage of the crop
1	Sugarcane	Management of white grub in sugarcane	<i>Metarhizium anisopliae</i> , Adult collection	Ingalagi, Savadatti	Grand growth stage
2	Tomato	Integrated Crop Management in Tomato	Seedling Arka Samrat, Arka microbial Consortia, Yellow sticky trap, Pheromone trap, Vegetable special	Bevinakoppa, Bailhongal	Harvested

Sl. No.	Crop/ Enterprise	Title of the FLD	Technology demonstrated	Village & Taluk	Stage of the crop
3	Brinjal	Integrated Crop Management in Brinjal	Neem cake, Arka microbial consortia, vegetable special, yellow sticky traps, tricho cards & Bt. Formulation	Bevinakoppa, Bailhongal	Harvested
4	Chilli	Integrated Crop Management in chilli	Arka microbial consortia, Yellow sticky trap, neem oil, NAA growth regulator, Vegetable special	Karavinakopp, Khanapur	Harvested
5	Fodder	Demonstration on fodder production technology in farmers fields	Perennial grasses, multi cut fodder crops and trees	Karavinakopp, Khanapur	Ongoing
6	Sugarcane (20-21)	Integrated Nutrient Management in Sugarcane	<i>Azospirillum</i> , PSB, Zinc sulphate, Ferrous sulphate, Amonium molybdate	Karavinakoppa and Rokkadakatti	Vegetative stage
7	Groundnut	Demonstration of Groundnut (Dh-256)+Bajra(4:1) intercropping system	Variety, seed treatment with bio-fertilizer, integrated nutrient management, IPDM	Rokkadakatti, Ramdurg	Initiated
8	Bt.Cotton	Demonstration of Bt.Cotton+Soybean (1:2) intercropping system	Variety, seed treatment with bio-fertilizer, INM,IPM and grading	Bevinakopp, Bailhongal	Initiated
9	Maize	Integrated Crop Management Maize	Seed treatment with bio-fertilizers, INM, IWM and IPM	Rokkadakatti, Ramdurg	Initiated
10	Onion	Demonstration of Manually drawn onion seeder	Sowing implement, reduced seed rate, uniform bulb size	Rokkadakatti, Ramdurg	Initiated
11	Soybean	Integrated Pest & Disease Management in Soybean	Variety, seed treatment with Cyantranilprole + Thiamethoxam @ 32 ml in 60 ml water/ 25 kg seeds, chemicals and IPM (Bt. formulation @1ml/l, pheromone traps & lures)	Bevinakopp, Bailhongal	Initiated
12	Bt.Cotton	Management of pink bollworm (<i>Pectinophora gossypiella Saunders</i>) in Bt.Cotton	IPM (Sleeve traps, <i>Trichogramma</i> bacteria, Refuge crop (5 rows non Bt) through eco-friendly interventions	Bevinakopp, Bailhongal	Initiated
13	Green gram (CFLD)	Integrated Crop Management in Green gram	Seed treatment with <i>Rhizobium</i> and PSB, integrated nutrient and pest and disease management	Hosur,Savadatti	Initiated
14	Paddy	Mechanization in paddy transplanting	Demonstration of mechanization in paddy	Karavinakopp, Khanapur	Initiated

III. Special Programmes

a. Scheduled Caste Special Programme sponsored by ICAR-ATARI, Bengaluru

Sl. No.	Crop/ Enterprise	Title of the FLD	Technology demonstrated	Village & Taluk	Stage of the crop
1	Soybean	Demonstration of Soybean variety Dsb-21	Seed treatment with <i>Rhizobium</i> and PSB, integrated nutrient and pest and disease management	Jaknayakanopp,Marikatti, Kesarkopp, Yargopp	Initiated
2	Onion	Integrated Crop Management in Onion	Variety, soil application of bio-fertilizers and spray of micronutrient mixture		Initiated

b. Scheduled Caste Special Programme sponsored by ICAR-IISR, Indore

Sl. No.	Crop/ Enterprise	Title of the FLD	Technology demonstrated	Village & Taluk	Stage of the crop
1	Soybean	Demonstration of Soybean variety Dsb-21	Seed treatment with <i>Rhizobium</i> and PSB, integrated nutrient and pest and disease management		Initiated

III. Training Programmes

a. Virtual training programmes

KVK has organized series of virtual training programmes during pandemic situation by looking into the needs of the farmers. The trainings were organized in association with Line Departments and NGOs for the benefit of farming community of the district. The various topics covered were crop production, nutrient management, seed treatment, plant protection measures and livestock management, etc.. The list of training programmes is as follows

Sl. No.	Topic	Date	Sponsoring agency	Scientist
1	Use of Bio-fertilizers in Agriculture	04.06.2021	KVK, Mattikopp	Soil Science
2	Importance of seed treatment and uses of bio-fertilizers in agriculture	04.06.2021	KVK, Mattikopp	Plant Protection
3	Improved agronomic practices in Maize	06.06.2021	Multilocation audio conference collaboration with Reliance foundation	Agronomy
4	Integrated pest and disease management in Maize	06.06.2021	Reliance Foundation and KVK	Plant Protection
5	Improved agronomic practices in Soybean	09.06.2021	Collaboration with ATMA Bailhongal	Agronomy
6	Integrated pest and disease management in Soybean	09.06.2021	KVK and ATMA Bailhongal	Plant Protection
7	Improved agronomic practices in Bt.Cotton	10.06.2021	Multilocation audio conference collaboration with Reliance foundation	Agronomy
8	Balanced Nutrition in dairy animals	11.06.2021	KVK and ATMA, Bailhongal	Animal Science

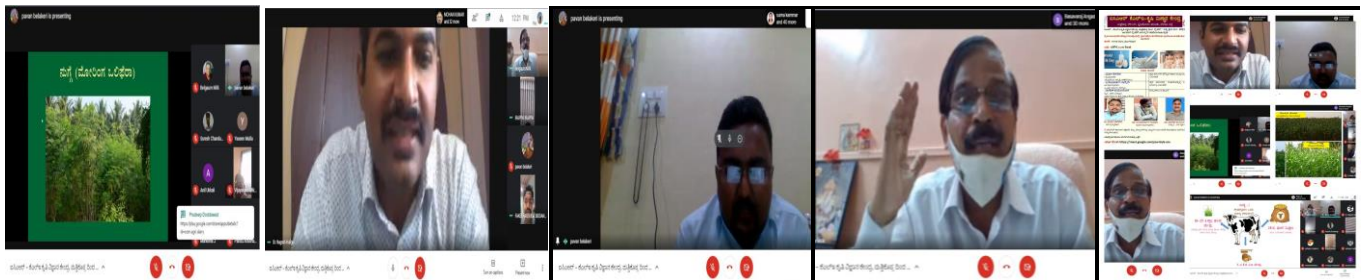
Sl. No.	Topic	Date	Sponsoring agency	Scientist
9	Improved agronomic practices in Paddy	13.06.2021	Collaboration with ATMA, Khanapur	Agronomy
10	Soil testing, Sampling method and Health card	15.06.2021	KVK & ATMA, Bailhongal	Soil Science
11	Importance of Soil test and Bio-fertilizers	15.06.2021	KVK & ATMA, Savadatti	Soil Science
12	Improved agronomic practices in <i>Kharif</i> crops	16.06.2021	Collaboration with ATMA Savadatti & Bailhongal	Agronomy
13	Improved agronomic practices in Sugarcane	17.06.2021	Collaboration with ATMA Savadatti	Agronomy
14	Vegetable crops for <i>Kharif</i> season	17.06.2021	KVK & ATMA, Bailhongal	Horticulture
15	Improved agronomic practices in Sugarcane	18.06.2021	Multilocation audio conference collaboration with Reliance foundation	Agronomy
16	Soil test and Balanced use of fertilizers	18.06.2021	KVK	Soil Science
17	Improved production technologies in Vegetables for <i>Kharif</i> season	19.06.2021	KVK & ATMA, Savadatti	Horticulture
18	Management of dairy animals in rainy season	19.06.2021	KVK and ATMA, Bailhongal	Animal Science
19	Management of Livestock and Poultry in rainy season	20.06.2021	KVK and ATMA, Khanapur & Belagavi	Animal Science
20	Soil Fertility Management Practices	22.06.2021	KVK & ATMA, Khanapur	Soil Science
21	Integrated Management of Dairy animals	22.06.2021	KVK and ATMA, Savadatti	Animal Science
22	Improved agronomic practices in Sugarcane	23.06.2021	Collaboration with Premier irrigation ADRITEC, Bengaluru	Agronomy
23	Improved agronomic practices in Sugarcane & Bt.Cotton	24.06.2021	Collaboration with ATMA Bailhongal	Agronomy
24	Integrated Crop Management in Banana	25.06.2021	KVK & ATMA, Savadatti	Horticulture



IV. Extension Activities

a. World Milk Day

ICAR KLE KVK, Mattikopp observed World Milk Day on 01.06.2021 to create awareness on the theme 'Animal Health and Productivity in dairy animals'. In the virtual training, Dr. Jaiprakash Manneri, General Manager, KMF, explained on scientific calf management and its economic benefits. Dr. Pawan Belakeri, Veterinary officer, Ranebennur highlighted about balanced nutrition in dairy animals and preparation of concentrate feed at farm level. Dr. Nagesh Huilgol, Scientist (Animal Science) briefed about clean milk production and prevention of mastitis in milch animals. 54 farmers from Belagavi and adjoining districts participated and gained knowledge from the training.



b. World Environment Day

ICAR-KLE Krishi Vigyan Kendra, Mattikopp celebrated 'World Environment Day' on 5 June 2021. On this occasion, KVK took up plantation drive at the KVK campus by planting forestry species at the KVK campus. The programme was inaugurated by Mrs. Sridevi B. Angadi, Senior Scientist & Head by planting of tree saplings. A total of 75 forest species were planted by Scientists and Technical staff of the KVK. On the same day, virtual training programme was also organized on 'Effect of Climate Change on Agriculture' to farmers. Key speaker of the training was Dr. Vijaya Mahantesh, Assistant Professor, KRCCH, Arabhavi who highlighted that, due to continuous deforestation is causing to soil erosion, decline in organic matter, salinization and soil bio diversity losses. Shri. S.M. Warad, Scientist (Soil Science) highlighted on the need for restoration of eco-system which is the theme of World Environment Day 2021. About 40 farmers participated in the training programme.



c. Roving survey of pest and disease

KVK in collaboration with Department of Agriculture, Belagavi jointly organised roving survey of pest and disease. During the survey visited Bailwad, Hosur and Murkibavi village of Bailhongal and Savdatti taluk respectively. The Scientist observed stem fly, blue beetle, spodoptera infestation in soybean and yellow mosaic disease in green gram and suitable recommendations were given for control of the pest and disease.



d. Pest survey and surveillance

Dr.S.S. Hiremath, Scientist (Plant Protection) participated in Pest Survey and Surveillance jointly organised by UAS, Dharwad and Department of Agriculture, Belagavi. Survey team visited various village of Ramdurg Taluk and observed yellow mosaic viral disease in green gram, striga weed in sugarcane, FAW in maize, groundnut leaf spot disease and recommended management practices.



e. Method demonstration

KVK conducted method demonstration on use of manually drawn onion seeder (ICAR-IIHR, Bengaluru Technology) at Udupudi village, Ramdurg taluk. Highlighting the advantages of this equipment Praveen Yadahalli, Scientist (Horticulture) said that the seed drill facilitates for placing of seeds at equidistance which leads to uniform development of bulbs which helps farmers to gain more price for their produce. Besides this, it also minimizes the seed requirement/ acre. Mrs. Sridevi B. Angadi, Senior Scientist & Head, ICAR, KLE KVK, Mattikopp suggested farmers to adopt the equipment in cultivation of onion. S.M. Warad, Scientist (Soil Science) and farmers for Udupudi village participated in the demonstration.

f. Diagnostic field visit

Dr.S.S. Hiremath, Scientist (Plant Protection), G.B. Vishwamath, (Agronomy) and Praveen Yadahalli, Scientist (Horticulturist) visited to Soybean problematic plots at Nesargi and observed Stem Fly infested in Soybean and advised to take immediate spray of Thiamethoxam 25 WG 0.3 g per liter of water at 4-5 days interval for two times

Dr.S.S. Hiremath, Scientist (Plant Protection) visited Soybean fields infested by seed and seedling rot at Awardi village caused by phythium, phytophthora and sclerotium pathogens and suggested drenching in affected plants with carboxin+thiram 2 g/l of water.

Scientists (Plant Protection and Horticulture) visited Tomato and Bitter gourd problematic field at Mohare village, Bailhongal Taluk. Scientist advised installation of pheromone traps for control of fruit fly in bitter gourd and fruit borer in tomato. Drenching of Carbendazim to manage wilt disease in tomato and also suggested providing proper drainage in field.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and Dr.S.S. Hiremath, Scientist (Plant Protection) visited NFSM-CFLD Green gram plots at Asundi village to observe disease and pest and recommended systemic insecticide and micronutrient spray.



g. International Yoga Day

International Yoga Day was celebrated at ICAR-KLE Krishi Vigyan Kendra, Mattikopp. On this occasion, Scientists and Technical staff of the KVK performed Yoga. S.M. Warad, Scientist (Soil Science) explained different stages of Pranayaman, Bhastrika, Kapabhati and Omkara.



V. Special Programmes

ICAR-KLE Krishi Vigyan Kendra, Mattikopp distributed seeds of high yielding Soybean variety Dsb-21 and Dsb-23 to the farmers of Belagavi district under Schedule Caste Sub Plan (SCSP) in association with ICAR-ATARI, Bengaluru and ICAR-Indian Institute of Soybean Research, Indore. Distributing the seeds to farmers, Dr. V.I. Patil, President, CADA, Belagavi and Director, KLE Society, Belagavi suggested farmers to adopt high yielding varieties suitable to the region along with improved practices being advised by KVK to enhance the farm income. Presiding over the function, Shri. B. R. Patil, Chairman, ICAR-KLE KVK, Mattikopp called for availing the services being provided by ICAR through Farm Science Centre established for upgradation of knowledge on production technologies. During opening remarks, Mrs. Sridevi B. Angadi explained the yield potential of new varieties of Soybean (Dsb-21 and Dsb-23) being supplied to the farmers. A total of 3325 Kg seeds were issued to 133 farmers to replace seeds in 53.2 ha area under new varieties.



VI. VIP/ Dignitaries Visit to KVK

Dr. Prabhakar B. Koreji, Hon'ble Chairman, KLE Society, Belagavi visited Kisan Bazar to ensure proper supply of seeds, fertilizer and other critical inputs to the farmers of the region and also visited KVK Instructional farm to monitor the preparedness of KVK for the Kharif season 2021. Advised Scientists to provide information pertaining to high yielding varieties, weed management, nutrient management and plant protection measures well in advance to the farmers.

Dr. Mallikarjun B. Hanji, Chief Technical Officer, ICAR-ATARI, Zone-XI, Bengaluru & KVK Nodal officer visited ICAR-KLE KVK, Mattikopp on 26.06.2021 and reviewed the on going activities of KVK for Kharif season



ICT activities

Sl.No.	Particulars	Nos.
1	Plant Protection measures, Inter cultivation, weather forecasting, availability and high yielding varieties of crops, Quality planting materials, land preparation, availability of technological products at KVK and livestock management	4

Editors: Sridevi Angadi, Scientist (Home Science), S.M. Warad, Scientist (Soil Science), Dr.S.S. Hiremath Scientist (Plant Protection), G.B. Vishwanath, Scientist (Agronomy), Praveen Yadahalli, Scientist (Horticulture), Dr. Nagesh Huilgol, Scientist (Animal Science)

Contact :

Mrs. Sridevi

Senior Scientist & Head
 ICAR-KLE KVK, Mattikopp-591 147
 Bailhongal Taluk, Belagavi District
 Ph : 09535604747
 e-mail : kvk.Belagavi2@icar.gov.in
 Website : www.klekvk.org

To,

Computer Credits: Manjunath P.I. Technical Officer (Computer)