



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 (53)

July 2021

In this Issue >>>>

- On Farm Testing
- Frontline Demonstrations
- On Campus training Programmes
- Virtual training Programmes
- Pest Survey and Surveillance
- Krishi Abhiyana programme
- Azadi ka Amrit Mahotsav training
- Diagnostic field visit
- Participated as a Resource Person
- Scientist visit to farmers field
- Participated in Meeting/ workshop
- Tree plantation programme
- KVK farm activities
- ICT activities

Published By
Shri. B.R. Patil
Chairman, ICAR-KLEKVK



Significant Achievements

I. On Farm Testing

Four on farm testing (OFT) are continued and the crop is around 40 days old and it is at vegetative stage. Observations are being carried out by the Scientists of the KVK to assess the better technology options. Need based critical inputs were provided to the farmers for the assessment of the technologies. The list of continued OFTs is furnished below

Sl. No.	Crop/ Enterprise	Title of the OFT	Technology assessed	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 Tq	30-45 days old crop
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 Tq	36-37 days old crop
3	Okra	Assessment of High yielding hybrids in Okra	TO1: Pvt. Hybrids TO2: Co-4 (TNAU, Coimbatore) TO3: Arka Nikita (IIHR, Bengaluru)	Ingalagi, Savadatti Tq	Vegetative stage
4	Maize	Assessment of entomopathogens 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	Vegetative stage



II. Frontline Demonstrations

The problems of the farmers were addressed through frontline demonstrations in identified DFI villages for major crops grown in the district with an intention to enhance the productivity by showcasing suitable technology of the farmers field. Intercropping system in groundnut and cotton was also introduced to the farmers of the region to gain remunerative income during aberrant weather conditions. The list of FLDs is presented 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	Fodder	Demonstration on fodder production technology in farmers	Perennial grasses, multi cut fodder crops and trees	Karavinakopp, Khanapur	Ongoing

Sl. No.	Crop/ Enterprise	Title of the FLD	Technology demonstrated	Village & Taluk	Stage of the crop
3	Sugarcane (2020-21)	Integrated Nutrient Management in Sugarcane	<i>Azospirillum</i> , PSB, Zinc sulphate, Ferrous sulphate, Amonium molybdate	Karavinkoppa and Rokkadakatti	Grand growth stage
4	Groundnut	Demonstration of Groundnut (Dh-256)+Bajra(4:1) intercropping system	Variety, seed treatment with bio-fertilizer, integrated nutrient management, IPDM	Rokkadakatti, Ramdurg	30-37 days old crop
5	Bt.Cotton	Demonstration of Bt.Cotton+Soybean (1:2) intercropping system	Variety, seed treatment with bio-fertilizer, INM,IPM and grading	Bevinakopp, Bailhongal	30-37 days old crop
6	Maize	Integrated Crop Management Maize	Seed treatment with bio-fertilizers, INM, IWM and IPM	Rokkadakatti, Ramdurg	Vegetative stage
7	Onion	Demonstration of Manually drawn onion seeder	Sowing implement, reduced seed rate, uniform bulb size	Rokkadakatti, Ramdurg	Vegetative stage
8	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	Flowering stage
9	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	Vegetative stage
10	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	Flowering stage
11	Paddy	Mechanization in paddy transplanting	Demonstration of mechanization in paddy	Karavinkopp, Khanapur	Vegetative stage

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,Markatti, Kesarkopp, Yargopp	30 -35 Days old
2	Onion	Integrated Crop Management in Onion	Variety, soil application of bio-fertilizers and spray of micronutrient mixture	Yargatti, Savadatti	Vegetative stage

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		30 -35 Days old

III. Training Programmes

a. On campus training programme

G.B. Vishwanath, Scientist (Agronomy) conducted training programme on integrated crop management in Soybean on 24.07.2021 to the farmers of the Lingadalli, Holenagalapur, Korikoppa, Belawadi villages of Bailhongal taluk. Scientist highlighted about the salient features of varieties resistant to rust *i.e.*, Dsb-21, KDS-726 and KDS-753. Further, explained on method of spacing the seeds for getting higher yield.

S.M. Warad, Scientist (Soil Science) imparted training on 'Importance of tree planting'. It is most essential for conservation of soil and water, improving air quality and climate amelioration. The benefit of the training was taken up by the farmers of the Mattikopp, Bailhongal taluk on 16.07.2021.

Dr.S.S. Hiremath, Scientist (Plant Protection) organized training on 'Recent technologies for mushroom cultivation' to the farmers of Deshnur and Nesargi, Bailhongal taluk on 09.07.2021. The training was imparted with a aim to establish entrepreneur in the vicinity of the KVK. During the training Scientist interacted with the farmer on production technologies and stated at mushroom should be grown under controlled environment condition in the cropping house.

b. Virtual training programme

Sl. No.	Topic	Date	Sponsoring agency	Scientist
1	Improved Agronomic practices in Sugarcane	13.07.2021	Multilocation audio conference, Reliance Foundation	Agronomy
2	Integrated pest and disease management	05.07.2021	DATC, Arabahavi	Plant Protection
3	Pest and disease management in sugarcane	13.07.2021	Multilocation audio conference, Reliance Foundation	Plant Protection
4	Integrated disease management of <i>Kharif</i> crops	14.07.2021	Department of Agriculture Bailhongal	Plant Protection

Sl. No.	Topic	Date	Sponsoring agency	Scientist
5	Integrated pest and disease in paddy. Rats and rodent management in sugarcane	27.07.2021	ATMA, Department of Agriculture, Khanapur	Plant Protection
6	IDM of <i>Kharif</i> crops for Hukkeri taluk	30.07.2021	Department of Agriculture Hukkeri	Plant Protection
7	Integrated and eco-friendly management of diseases of major <i>kharif</i> crops	30.07.2021	Dept. of Agriculture, Ramdurg	Plant Protection
8	Effective reproductive health management and strategies to improve productivity of animals	28.07.2021	Multilocation audio conference, Reliance Foundation	Animal Science

IV. Extension Activities

a. 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.

Pest Survey and Surveillance team also visited various villages of Kittur, Bailhongal and Nesargi RSKs. Team noticed incidence of spodeptera, rust and stem fly in soybean and leaf spot and rust observed in sugarcane and sucking pest in Bt. Cotton suggested prophylactic measures to manage pest and diseases.



b. Krishi Abhiyaan programme

Dr.S.S. Hiremath, Scientist (Plant Protection) participated in Krishi Abhiyaan program organised by Department of Agriculture, Savadatti. During the visit Scientist briefed about integrated pest and disease management practices for pests occurring in sugarcane (white grub and wooly aphid), maize (fall armyworm) and cabbage (diamond back moth). Diseases occurring in crops like green gram (yellow mosaic), maize (turcicum blight), soybean (rust) and highlighted about eco-friendly approaches for control of pest and diseases. The information was delivered to the farmers of Shindogi, Pandarhalli, Tegelli, Artgal, Yakkundi and Badli.

Dr.S.S. Hiremath Scientist (Plant Protection) participated in Krishi Abhiyana programme organized by Department of Agriculture, ATMA, Khanapur. Scientist highlighted the eco-friendly management of pest and diseases in paddy and sugarcane.



c. Azadi ka Amrit Mahotsav

Training cum demonstration on Production of Vermicompost and Vermiwash was organization at KVK Instructional Farm on eve of Azadi Ka Amrut Mahotsava@75. Mrs. Sridevi B. Angadi, Senior Scientist & Head briefed the employment opportunities for SHGs. G.B.Vishwanath, Scientist (Agronomy) explained about various methods of vermicomposting units and Dr.S.S.Hiremath, Scientist (Plant Protection) explained the detailed production and importance of vermiwash in field and horticulture crops. The participants visited vermiwash production unit of KVK which so far produced 100 litre of vermiwash.



d. Diagnostic field visit

KVK Scientists visited newly established Guava orchard and demonstrated pruning techniques in guava along with department officials and also visited brinjal and gourd plots at Belavadi village and recommended installation of pheromone traps for control of shoot & fruit borer in brinjal & fruit fly traps to control fruit fly in gourds.

Senior Scientist & Head and Scientist (Agronomy) visited Bt.Cotton based cropping systems - Soybean and Green Peas (1:2) at Bevinakopp, Bailhongal taluk. Scientist (Agronomy) advised farmers to take up measures to let out the water from the field and nutrients spray.



e. Participated as a Resource Person

Dr.S.S. Hiremath, Scientist (Plant Protection) participated as a Resource Person in training programme organised by Department of Agriculture, ATMA, Khanapur at Surapur village of Khanapur taluk. During the programme Scientist briefed about various pest and disease occurring in paddy, sugarcane and maize crops and also explained integrated management of rat and rodents in paddy and sugarcane.

Dr.S.S. Hiremath, Scientist (Plant Protection) participated in Farm School on Paddy at Karavinkopp village and Harori village of Khanapur taluk. Scientist briefed about importance of seed and seedling treatment with bio-fertilizers, Agro Ecological System Analysis (AESA) and management of pest and disease in paddy.



f. Scientist visit to farmers field

Mrs. Sridevi B. Angadi, Senior Scientist & Head and G.B. Vishwanath, Scientist (Agronomy) visited OFT plot on Assessment of Paddy varieties RNR-15048 and GNV-1089 for higher yield. Scientist (Agronomy) briefed farmers on integrated weed management, nutrient and water management.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and G.B. Vishwanath, Scientist (Agronomy) visited farm trail on weed management in maize by application of post emergent herbicide Mesotrione 40%.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and G.B. Vishwanath, Scientist (Agronomy) visited soybean variety KDS-726 seed production plot at Bevinakopp village.



g. Participated in Meeting/ Workshop

Mrs. Sridevi B. Angadi, Senior Scientist & Head and Dr.S.S. Hiremath, Scientist (Plant Protection) has attended the meeting in person on Sub Mission on Seed and Planting Material (SMSM) project chaired by Shri Venkataramanareddy J. Patil, Additional Director of Agriculture, Department of Agriculture, Bengaluru on 19.07.2021 and submitted the proposal on seed village programme.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and Scientists participated virtual Zonal Workshop-2021 organized by ICAR-ATARI, Bengaluru on the theme "Doubling the Farmer's Income through Strengthening KVKs with Inclusive Technologies and Innovative Approaches" during 30-31 July, 2021.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and KVK Scientists attended the Capacity Development in Skill Development Management for KVKs of ATARI Zone-XI organized by ASCI.



h. Nation-wide campaign on tree plantation and awareness programme

Nationwide campaign on tree plantation and awareness programme was organized at the KVK on the eve of ICAR Foundation Day on 16 July 2021 by involving farmers of Mattikopp village of Bailhongal taluk. During the event, 150 tamarind saplings and 100 saplings of red sandal were planted at KVK instructional farm in separate blocks to educate farmers on importance of agro-forestry in agriculture for gaining assured returns in long term along with intercropping with field/horticulture crops.



i. KVK Farm activities

KVK Scientists monitoring of applying of Bordeaux paste to mango trees to control pest and diseases in KVK instructional farm in mango orchard.



All animals of cattle unit treated with ecto-parasiticide solution for control of ticks and Deworming of cattles in KVK in KVK Dairy Unit.



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,

.....

.....

.....