



# KVK TIMES

Vol 01 Issue 07, 1-15 October 2021

A WINDOW TO KVKs OF ICAR - ATARI, ZONE - XI



ICAR-Agricultural Technology Application Research Institute  
Zone XI, Bengaluru  
University of Agricultural Sciences, Raichur



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**University of Agricultural Sciences**

Lingsugur Road, Raichur - 584104, Karnataka State, India



**Dr. K.N. Kattimani**

M.Sc.(Agri.), Ph.D. FCHAI

Vice-Chancellor



## Foreward

*The Krishi Vigyan Kendra, is an innovative first line science based extension system for transfer of technology. It gives me immense pleasure to know that ICAR-Krishi Vigyan Kendra, Bidar is bringing out the KVK Times 7th issue (fortnightly). This is an unique attempt of ATARI, Bengaluru in documenting the activities and success stories of various KVKs.*

*Krishi Vigyan Kendra involved in increasing the production and productivity of the various crops and also bridging the gap between technologies generation at the research institutions and its transfer to the farmer's fields. KVKs are functioning on the collaborative participation of scientists, extension workers and farmers by the approach of "seeing is believing" and "Learning by doing" and to increase self employment opportunities.*

*I feel that the scientific community should have continuous interaction with farmers through their scientific teams. A good synergy between the research institutes, farmers and KVKs along with the local administration is crucial for development of farm sector. I emphasize on creating awareness for the farmers on crop diversification, livestock (dairy and poultry), and horticulture (green house cultivation, hi-tech horticulture) sectors which can create more and more employment opportunity and helps in boosting the farmers income.*

*I appreciate the team of ICAR-KVK for their yeoman service to the farming community and wish that their efforts will benefit the farmers in enriching their livelihood.*

*Kattimani*

**Dr. K N Kattimani**

Vice-Chancellor, UAS, Raichur





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**UNIVERSITY OF AGRICULTURAL SCIENCES**

Lingsugur Road, Raichur - 584104, Karnataka State, India

**Dr. D.M.Chandargi**

Director of Extension



## Message

*Krishi Vigyan Kendras serve as knowledge hub in the district for the transfer of technology. They play a vital role in taking the new technologies from research centre to farmer s' field effectively. These farm science centres are addressing the local needs and problems of the farming community through their mandatory activities.*

*The creativity, application of technologies through new methods and means of ITC's have given new pace to the dissemination of information to convince the farming community. The KVKs are bringing change in the farming situations by making the farmers adopt new technologies to enhance the yield and quality their crops, reduce the cost and drudgery in production, sensitizing the farmers to organize themselves to find new market way for their farm produce, creating space for local farm entrepreneurs, developing the skills in the farm labours. This silent revolution of transformation of technologies to strengthen the farming sector of the country is being ignited by ICAR through 722 KVKs across the country, leading farmers towards realization of doubling the farm income. The activity of the KVKs many times go unnoticed by many other organizations. In order to showcase KVK activities the ICAR-ATARI Bengaluru, zone XI has created a plat-form to present the programmes and activities through e-newsletter "KVK TIMES" brought out fortnightly.*

*I congratulate Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, zone XI, his team and all the members of each KVK family for their collective effort in bringing out the "KVK TIMES" Volume 1, issue-4, emphasizing the KVK activities of this fortnight. I wish from bottom of my heart that the KVK system take our agriculture profession to new horizon.*

**Dr. D.M. Chandargi**

Director of Extension, UAS Raichur



## AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE (ICAR-ATARI) ZONE-XI

MRS, H.A.Farm, Post Hebbal, Bengaluru - 560024.



**Dr. V Venkatasubramanian**

Director, ICAR ATARI, Zone XI, Bengaluru



### Message

*Krishi Vigyan Kendra is a noble concept developed and funded by Indian Council of Agricultural Research (ICAR), New Delhi. Krishi Vigyan Kendras (KVKs) are playing vital role during the challenging COVID-19 pandemic period through various innovative approaches in providing technological support to its stakeholders. ICAR-KVK Bidar has brought laurels by its innovative approach of e-extension 'KVK Krishi Paatha Shale' has reached to unreached during this COVID-19 pandemic.*

*I am happy to understand that 'KVK TIMES' made a commendable impact among the KVKs in the zone and also received nationwide appreciation. The 'KVK TIMES' would serve as a ready reckoner for accessing important milestones achieved by the KVKs in the zone. My best wishes are with ICAR KVK, Bidar for editing and compiling 1-15 October 2021 issue of 'KVK TIMES'. My heartfelt compliments to the entire team for covering and compiling major events and activities of KVKs and highlighting the farmers across the KVKs with their expertise during this 'Azadika Amrit Mohotsav'. I am hopeful that with our inbuilt strength and dedicated leadership at various level KVKs will continue to attain further heights in future by addressing our future challenges of food and nutritional security.*

**Dr. V Venkatasubramanian**

Director, ICAR ATARI, Zone XI, Bengaluru





*I am extremely proud and privileged to be entrusted with responsibilities to compile and edit the 'KVK TIMES' from 1 to 15th October, 2021 during 75th Year of Independence Day of India or Azadi Ka Amrit Mahotsav I would like to express my profound gratitude to ATARI, Bengaluru for giving us this great opportunity. I also would like to express my deepest sense of gratitude and heartfelt thanks to our Honorable Vice-Chancellor, Dr. K.N. Kattimani UAS, Raichur for his valuable guidance, constant encouragement and moral support in carrying out our KVK activities and to serve the farming community.*

*I avail this opportunity to express my heartfelt thanks to respected Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru for overwhelming support and valuable suggestions and concern during compilation and editing of this issue. On my personal note, it is an immense pleasure to express my sincere gratitude respects to Dr. M. J. Chandre Gowda, Principal Scientist, ATARI, Bengaluru and Nodal officer of our KVK for constantly encouraging us to carry out all the activities. I would also like to place on record the help of all the other scientific and administrative staff of ATARI, Bengaluru for an infusion of new ideas to take up our future endeavors.*

*I would like to extend my sincere thanks to our beloved Director of Extension, University of Agricultural Sciences, Raichur Dr. D.M. Chandargi for this tranquil and composed nature inspires us to carry out our duties with ease and perfection. I also thank all the other staff of Directorate of Extension, UAS, Raichur especially Dr. Moulasab, Dr. Raghavendra and Dr Mallikarjun for their timely help.*

*I record with immense pleasure, the formidable response of Zone XI KVK family in sharing range of their activities which they performed in recent past for the benefit of farmers.*

*Last but not the least; I thank my entire team of ICAR Krishi Vigyan Kendra, Bidar for their support and valuable suggestions to make this issue the way it has emerged. My sincere thanks to Shivkumar Pakhal of Artwings, Bidar for his efforts towards designing of newsletter and bringing it out timely.*

Date : 19-10-2021

Place: Bidar

**Dr. Sunilkumar N.M.**

Senior Scientist and Head,  
ICAR-KVK, BIDAR





## ICAR - KVK, Bidar

### CMT Kit For Quality Milk Production

Quality milk productions the need of the hour is to educate millions of milk producers to improve the quality of milk and milk products is utmost important Quality is a result of totally integrated approach from farm dairy environment to the consumer's door.. Most of the farmers are doing milking practices with lack of scientific knowledge. Therefore, ICAR KVK Bidar conducted Front Line Demonstration on clean milk production practices at Yaranalli village Tq & Dist Bidar on 01-10-2021. KVK Bidar Scientist Dr Akshaykumar interacted with the farmers and educated them about measures to be taken up for clean milk production practices, quality of milk production methods, demonstration of CMT (California Mastitis Test) and teat dipping practices should be followed in dairy farming. During the programme Dr. Deepak Patil, Veterinary Officer addressed about importance of mastitis diseases in dairy animals and stressed upon various steps in quality milk production specially animals hygiene, milking equipments hygiene, milker's hygiene, milking environment and milk storage etc. There were 84 farmers participated from Yaranalli, Bompalli, and Islampur villages and got benefitted.



Front Line Demonstration on Clean Milk Production



**Sri Kashiling Agrahar**  
Spl: Sugarcane, Ginger production  
and Natural Resources conservation  
Cell: 7259624068  
ICAR-KVK, Bidar

### Banker Turned as Farm Technocrat



Diversification of farming is the need of the hour. Along with the regular crops production dairy farming gives an opportunity to establish themselves in better position to beginners entering in to farming. Dairy farming act as base activity for agriculture by converting crop residues to black gold DUNG. Use of FYM will result in to reduction in the use of chemical fertilizers to meet the nutrient requirement of the crops. This was convinced to the Mr. Narasimaha Reddy Chuda, (42 years) a young farmer on his visit to KVK Bidar.

Mr Narasimaha resident of Ghodampalli village of Bidar Taluka, during COVID-19 has return to his native after resigning his bank job and started farming in his ancestor 6 acres of land with the technical backstopping of ICAR-Krishi Vigyan Kendra, Bidar.

Reddy has started his dairy unit with 10 buffalos. By adopting Integrated Dairy Management practices now the milk production has shoot up to 80 liters per day. He has his own customers offering a price of 60 Rs. per lit of packed milk. This is accounting to a total business of Rs.12, 00,000 per annum. That enabled him to get confidence of animal husbandry. Now the herd size is increased to 30. 80 lit of milk per daily. collection from his dairy is which he sells to the households as door delivery and earning 8.5lack per annum.



Further KVK Bidar trained him for Vermicomposting production. By the initial support of KVK he is taking up Vermicomposting as subsidiary unit to farming. He earns from sale of compost and earthworms. Now his farm has become visiting spot for the beginners of dairy farm and he has become farm youth icon to the surrounding villagers.

With the guidance of KVK Bidar scientist he is enriching the vermicomposting with the bio agents like trichoderma, Phosphate solublizing bacteria and Rhizobium, neem and karanja seed powder. The success of Reddy does not stops here. He has inspired many. With his inspiration Mis. Sujatha of Anandnagar, Bidar started vermicomposting unit.

Now he is the **Farm Technocrat** of BIDAR KVK.



**Dr. MIA Quadri**  
Spl: IFS & Conservation of Desi  
crop varieties and Animal breeds  
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ICAR-KVK, Bidar





## ICAR - KVK, Allapuzha

### KVK-Alappuzha organized RAWE-KVK Module for BSc (Agri) Students

A four-day programme for final year B.Sc. (Agriculture) students of College of Agriculture, Vellayani, Kerala Agricultural University as their RAWE-KVK Module from 4th to 7th October, 2021. The students were exposed to various Mandate activities of KVK. An on-line training programme on 'Cultivation of cool season vegetable crops' was conducted by the students which was appreciated by more than 70 farmers participated.

### Special Swachata Campaigns

A 'Special Swachhta Campaign' was organized by the KVK in association with Department of Agricultural Development and Farmers' Welfare at Puliur Gramapanchayath community hall on 06.10.21. Sri M.G. Sreekumar, President, Puliur Grama Panchayath inaugurated the programme. Lecture on 'General health management practices through cleanness at home and farm' was given by Dr. K. Sajnanath, and Smt. Jissy George Subject Matter Specialists of KVK. Later demonstration of 'EM composting of homestead bio-wastes and utilizing the compost for maintaining nutri-gardens'. Smt. Manjusha, Agricultural Officer and Grama Panchayath members; Sri M.C. Viswan, Smt. Mini Philip, Smt. Savitha Mahesh, Manju Yohannan and Smt. Latha, Block Co-ordinator, Kudumbasree Mission addressed the farmers on the occasion. Farmers, public representatives and department officials attended the programme.

On 12.10.21, another awareness programme on 'Composting of aquatic weeds using EM Solution' was conducted by Dr. K. Sajnanath, SMS KVK at Kodupunnain Edathwa Panchayath followed by field demonstration of 'Preparation of activated EM solution and its usage'. Smt. Molly (Simi) Member, Kodupunna ward graced the occasion.



Method demonstration of Compost use to nutrigarden



**Sri Sanumon PS.**  
Spl : Paddy based IFS  
Cell: 9961575956  
ICAR-KVK, Allapuzha



## ICAR - KVK, Bagalkote

### Celebration of Poshan Vatika Maha Abhiyan and Tree plantation - 2021



Fruit Tree Plantation on the eve of Poshan Vatika Maha Abhiyan

Hon'ble Member of Parliament Shri P.C. Gaddigoudar stressed the need to create awareness on nutritional importance of millets as nutraceutical foods. Distributing seeds kits and seedlings at the Poshan Vatika Maha Abhiyan and tree plantation 2021 organized by KVK Bagalkote in collaboration with Dept of Agriculture, Dept of Women and Child Development, IFFCO and Dept of Public Instruction at District Commissioner's office, he emphasized the importance of nutrition in present day's context. The programme was inaugurated by Shri Mahadev Muragi, ADC, Bagalkote by watering the plants. After inauguration he opined that, Women's role in maintaining health of family is important. And Millets, Nutrigarden and planting fruit trees is an activity to promote health. Dr. Mouneshwari R. Kammar, Sr. Scientist and Head, KVK Bagalkote gave introductory remarks and Dr. Chetana Patil, Joint Director of Agriculture emphasize on the schemes in operation related to Millets cultivation. Later MS. Bharathi Banakar Deputy Director Women and Child Development Dept briefed about nutritional statics of Women and Children in the District and Scheme to ameliorate the same. Shri P.K. Patil, President Zilla Krishik Samaj who President over the function stressed the need to go for nutrigarden and millets. More than 300 women and adolescent girls participated in the programme.



Field day by ICAR-Krishi Vigyan Kendra, Bagalkote



**Smt. Laxmibai Zulpi**  
Spl: IFS & Conservation of  
Special Black Brinjal - HZKB1 Variety  
Cell: 99016155773  
ICAR-KVK, Bagalokote





## ICAR - KVK, Ballari

### Use of mating disruption technology for management of cotton Pink Bollworm

ICAR-KVK, Ballari in collaboration with ATGC Biotech Private Limited, UAS, Raichur and Department of Agriculture, organized Farmer awareness programme on use of innovative mating disruption technology for effective management of cotton Pink Bollworm (PBW) at Asundi village of Ballari District on 09th October, 2021.

Specialized Pheromone and Lure Application Technology (SPLAT) is a wax based formulation having sustained-release pheromone, which works on the principle of mating disruption. It is a proactive way to protect crops by preventing pests from reproducing in the first place. By simulating the natural pheromone emission of female insects, mating disruption technologies cause males to become confused and incapable of locating a female to mate with. This results in reducing the rate of mating success which leads to the collapse of insect pest population, without requiring the application of toxic and potentially ecologically hazardous pesticides. Point sources of pheromone-based SPLAT formulations are applied to the crop. Each SPLAT dollop emits precise amounts of sex pheromone required to shut down mating. Males are diverted away from females due to the powerful allure of the pheromone being emitted by each SPLAT dollop. Unlike females, SPLAT dollops emit high doses of pheromone continuously. The SPLAT gel at the rate of 125 g/acre/application (applied in 400 source points) in four splits during 35-40, 65-70, 95-100 and 125-130 days after sowing is recommended.

Joint Director of Agriculture, Ballari Sri.MallikarjunappaK. inaugurated the program and Dr. A. G.Sreenivas, Professor of Entomology, UAS,Raichur explained the methodology of using the innovative technology.Dr.Ravishankar G., Campus Head, Hagari farm,Dr. Ramesh, B. K., Senior Scientist and Head, ICAR-KVK, Ballari and other Scientists were present during the programme. About 118 farmers from different villages participated in the awareness programme.



Demonstration of SPLAT Technology for Pink Bowl Worm



**Sri Visveshwara Sajjan**  
Spl : Organic Farming and Value addition of Tamarind & Milk  
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ICAR-KVK, Ballari



## ICAR - KVK, Belagavi-I

### Exhibition of Farm Science Technologies & its Products in "Raitharondigonda Dina"

ICAR BIRDS KVK, Belagavi-1 has exhibited location specific farm science technologies and technical products at Nippani on the occasion of 'Raitharondigonda Dina Program' organised by Department of Agriculture, Technical information of Crop production, plant protection, value addition and post harvest handling, livestock management boards and banners were exhibited. Horticulture exotic plants, PGS products and Home science products. Two successful KVK agri entrepreneurs products were grabbed the visitor's attention. Stall was visited by Shree Kadasiddheshwar Swami Ji Kanneri Math, Shri B.C.PATIL, Hon'ble Minister of Agriculture, GOK, Ministers and MLAs of Govt. of Karnataka, MPs Govt. of India, UAS-Dharwad officials and 1500 farmers visited the stall in day.



Visit of Sri Kada Siddeshwara Swamiji during 'Raitharigonda Dina' Exhibition

### Fisheries Interventions-Roopchand and Pangasius Fish Species

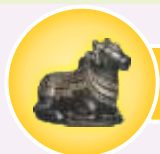
Fisheries interventions (21-09-2011) training and demonstrations on Roopchand fish was conducted in 3 farmers farm pond. Each farmer was provisioned 1500 No's of Roopchand and Pangasius finger lings were given to 5 farmers (1000 No's each). Farmers are trained on management aspects like feeding, water quality management and control of diseases.



Demonstration of SPLAT Techology for Pink Bowl Worm



**Pradeep Sanagouda Patil**  
Spl: Successful Sericulture Farming  
Cell: 9886741793  
ICAR-KVK, Belagavi-1



## ICAR - KVK, Belagavi-II

### Field Day

Field day on Groundnut + Bajra (4:1) intercropping system was organized at Udupudi village, Ramdurgtaluk. G.B. Vishwanath, Scientist (Agronomy) explained about advantages and profitability of intercropping system. Mrs. Sridevi B. Angadi, Senior Scientist and Head interacted with farmers and farm women and stated that quality seeds of Dh-256 and Kadari-1812 varieties of groundnut seeds supplied to the farmers from the seed unit of KLE KVK. The advantages of groundnut stripper and groundnut decorticator were also discussed with the participants.

### Certificate Issue Programme to DAESI Dealers

ICAR- KLE KVK, Mattikopp organized Certificate issue programme to DAESI dealers in association with MANAGE, Hyderabad, SAMETI (North), UAS, Dharwad and ATMA-Department of Agriculture, Belagavi on 07.10.2021. Shri B.R. Patil, Chairman, KVK, Mattikopp welcomed the gathering and briefed the role of KVK in serving the farm community. After inauguration of programme, Dr.VI. Patil, President, CADA (M & G), Belagavi in his speech He called upon on trained input dealers to involve actively in forwarding the technical knowledge acquired during training to farmers for enhancing the farmers' income as per views of Hon'ble Prime Minister of India Sri Narendra Modiji.

Presiding over the function, Sri. Mahantesh Dodagoudar, Hon'ble MLA, Kittur suggested the dealers to attach more importance to transfer of technologies to farmers than the profit they earn from the business. Dr.R.R. Hanchinal, Former Chairperson, PPV&FRA, Government of India, New Delhi and Former Vice-Chancellor, UAS, Dharwad opined that there are many high yielding varieties available with various research centres and suggested dealers to take them to farmers. Dr. M. Gopal, Professor & State Nodal Officer (DAESI), UAS, Dharwad delivered introductory remarks and administered oath to the diploma holders. Sri. Shivanagouda Patil, JDA, Belagavi advised dealers to educate farmers on adoption of low cost technologies to double the farmers' income. During the event 39 DAESI dealers received the diploma certificates. During the occasion, Senior Scientist & Head and staff participated in the function.



Certificate Issue Programme to DAESI Participants



**Smt. Irawva S. Mathapati**

Spl : Organic farming, Entrepreneur in pickle, Millet biscuits & Roti making  
Cell: 9902517219  
ICAR-KVK, Belagavi-II



## ICAR - KVK, Bengaluru Rural

### ICAR-Krishi Vigyan Kendra, Bengaluru Rural District

#### Waste to Wealth - Special National Swachhta Campaign

ICAR-Krishi Vigyan Kendra, Bengaluru Rural District organized a programme on Special National Swachhta Campaign on Waste to Wealth on 12.10.2021 within campus. The objective of the campaign was to create awareness about how to create wealth from waste by addressing kitchen and farm waste management and different composting methods. Dr. Chaitra G., Scientist (Agril. Extension), KVK, Bengaluru Rural District, explained the In Situ decomposition technology for rice and wheat residues.

Meghana, S. V., Scientist (Home Science) described the importance of kitchen waste management and explained about Family Net Vessel Compost method. Dr. Swetha, Scientist (Animal Science) explained about compost preparation from farm waste and advantages of vermicompost application to the agricultural crops.



Interaction with farmers regarding kitchen waste management



**Sri Dayanand Appayyanavarmath**

Spl: Integrated Farming System and Energy generation through bio-gas  
Cell: 6364213094  
ICAR-KVK, Belagavi-II





## ICAR - KVK, Chamarajanagar

On the Occasion of Completion of "5 years of DBT in Fertilizer Sector" KVK Chamarajanagara organized a program on "DBT in Fertilizers Awareness week" under "Azadi Ka Amrit Mahotsav" on 07.10.2021 at Krishi Vigyan Kendra.

The program was chaired by Dr. Chandrakala Hanagi, Senior Scientist and Head, KVK, Chamarajanagara.

The program was inaugurated with lightning the lamps by Shri Ramesh M. ADA (Vigilance) Karnataka State Department of Agriculture, Chamarajanagar and after that he spoke on role use of DBT sale to farmers, importance of sale of fertilizers through POS machine and importance of Soil health card in crop nutrient management

Dr. Chandrakala Hanagi, Senior Scientist and Head, KVK, Chamarajanagar, briefed about advantages of DBT in fertilizers to farming community.

Dr. Yogesh G S, Soil Scientist, given information on Soil Sampling procedure, Nutrients roles and deficiency symptoms in crops, Soil and Plant nutrient management based on soil test recommendations through organics and inorganics.

Dr. Pampanagouda, Plant Pathologist briefed about Role of nutrients in pest and disease management.

Mr Rajath H P, SMS (Agro meteorology) briefed about weather forecast and its application crop management.

Mr. Ranjith T H, D/I Mysore and Chamarajanagar given information on effective use of various products of RCF.

The seedlings of Lemon and curry leaf was distributed to participants and Tree planting was done after the completion of program by the dignitaries

About 45-50 farmers from different villages of Chamarajanagar were participated in the program.



DBT in Fertilizer Awareness Week Training Programme



**Smt. Sumathi R. Shanmugam**  
Spl : IFS & Millet value added products - Atma Ragi & Atma Siri Malt  
Cell: 8197595072  
ICAR-KVK, Chitradurga



## ICAR - KVK, Chikkaballapura

ICAR, KVK, Chikkaballapura organised exposure visit to GKVK, Bangalore on 04.10.2021. Farmers participated in the AmrithMahotsav Programme organised by Directorate of Student Welfare at Kuvempu auditorium. Farmers visited different crop fields in the campus. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) explained the farmers about different technologies in crop fields. Dr. Shalini Assistant professor (Horticulture) at ATIC explained about activities of ATIC. Mrs. Aruna, programme Assistant, explained about agricultural museum.

Swatchta Programme was organised by KVK-Chikkaballapura in Brahmanadinne village of Chintamani taluk on 06.10.2021. Dr. Papireddy, Senior Scientist and Head explained about soil and water conservation technologies. Dr. Gayathri. B, Scientist (Soil Science) demonstrated the procedure of preparation and use of waste decomposer. Dr. Tanweer Ahmed explained about Vermicomposting. Miss. Bhavana, Scientist (Home Science) explained about safety measures to be adopted to prevent the COVID spread in the village.

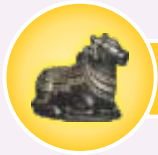
A group of 52 farm women from SKDRDP, a non governmental organisation visited model integrated farming system at KVK, Chikkaballapura instructional farm on 11.10.2021. Dr. Papireddy, Senior Scientist and Head explained about need and importance of integrated farming system for sustainable income. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) and Mrs. Aruna, programme Assistant explained about different components of integrated farming system and how waste of one component is being utilised as input for other component.

Off campus training on use of different microbial consortia in mulberry crop was organised at Gidnahalli village of Chikkaballapura taluk by ICAR, KVK, Chikkaballapura on 12.10.2021. Dr. Gayathri B, Scientist (Soil Science) explained about the importance of microbial consortia in growth and development of mulberry crop. Further, demonstrated the procedure of preparation of different microbial consortia.



**Sri Suresh**  
Spl: Successful Sericulture Farming  
Cell: 9986830435  
ICAR-KVK, Chikkaballapura





## ICAR - KVK, Chikkamagaluru

### Capacity development programme through farmer field school on integrated pest & disease management in paddy

Capacity development programme through farmer field school on integrated pest & disease management in paddy was organized by I.C.A.R.-Krishi Vigyan Kendra, Chikkamagaluru at Gonibeedu cluster, Hiresigara village of Mudigere taluk on 09-10-2021. In this programme Dr.R.Girish, Scientist (Plant Protection) conducted method demonstration on identification of blast disease in paddy through symptomatic spots with diamond shade and paddy caseworm larva with paddy leaves rolled into cases and white necrotic symptoms on leaves.



Capacity building programme on IPM in Paddy

In this programme integrated pest management practices were highlighted with suitable need based control measures. This programme was chaired by guest, like Smt. Sangeetha, Agriculture officer, Mr. Chandrashekar, Grama Panchayath Member and farmers.



Capacity building programme on IPM in Paddy - Field Visit



**Mr. Poornesh H.K.**  
Spl : Multiple cropping system and conservation of bio diversity  
ICAR-KVK, Chikkamagaluru



## ICAR - KVK, Dakshinakannada

### Popularization of short duration red rice variety- Pratheeksha for rabi season in Dakshina Kannada

In Dakshina Kannada, paddy is a major staple food crop mainly grown during kharif in medium and low laying fields. Area under paddy cultivation in the district has gone up by 8-10% during this kharif season. 80% of the paddy area in the district kept fallow during rabi season due to non-availability of short duration varieties, in 20% paddy area more priority has been paid towards cultivation of long duration (130-135 days) varieties such as kajejaya, MO4, Jaya etc. Shortage of water during rabi season affected paddy cultivation resulting in a steady decline in the district over the past two decades. To tackle poor yield due to water scarcity, higher production cost and to enhance the cropping intensity of the district, short duration red rice variety like Pratheeksha (105-110) is more important.



Capacity building programme on the short duration variety 'Prateeksha'

ICAR-Krishi Vigyan Kendra, Dakshina Kannada, organised a capacity development programme under FLD on demonstration of short duration red rice variety - Pratheeksha for rabi season at Aryapu of Puttur taluk in collaboration with NGO-Shri Kshethra Dharmasthala Rural Development Project, Dharmasthala. Truthful labelled paddy seed of 1.25 quintals as critical input was provided to motivate the farmers for adoption of new variety under FLD benefiting 32 farmers and 2 extension personnel's.



Distribution of short duration paddy variety 'Prateeksha'



**Smt. Anitha Kuvanja**  
Spl: ZBNF Farming & PKVY Farming  
Cell: 9686705225  
ICAR-KVK, Dakshinakannada





## ICAR - KVK, Davanagere

1. Field Day was conducted on 4.10.2021 at Rameshwara, DFI village Nyamathitaluk on Assessment of different varieties of Groundnut for higher yield under OFT program.



Field Day on Groundnut

2. Conducted the Field Day on 5.10.2021 at Agasanakatte DFI village Davangeretaluk on Assessment of NANO urea on growth and yield of Hybrid Maize under OFT program.



Field Day on Maize

Conducted the NFSM- CFLD Redgram at Heribannihatti and Marenehalli Jagalur taluk in an area of 10 ha. Conducted the off campus training and method demonstration on 7.10.2021 regarding the use of Pheromone traps for the management of Pod borer and Pulse magic spraying @ 10 g/l of water along with Plant Growth Regulator 0.5 ml /l at time of 50 percent flowering to reduce the flower drop and improves the seed filling and yield of redgram.



Field Day on Redgram



**Smt. Saroja Patil**  
Spl : Millets & its value added products - 'Tadvanam'  
Cell: 9900769719  
ICAR-KVK, Davanagere



## ICAR - KVK, Dharwad

### Eco-friendly management of insect pests by sticky traps

Sticky traps are used as one of the effective IPM strategy for different insect pests. They help in estimation of pest population. In monitoring program before the observation of damage to plant, sticky traps provide an early warning of pest presence which is helpful for developing an environment friendly and safer control strategy. Keeping in view the importance of sticky traps ICAR-KVK, Dharwad has started producing traps and supplying to the farmers from 2020-21.



Installation of Yellow sticky trap by KVK Scientist

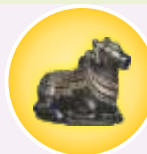
The farmer Shri Shankar Mokashi of Mulamuttala village of Dharwad taluka grows tomato, chilli and chrysanthemum in 4 acres of land. The expenditure incurred on purchase of pesticides and insecticides on crops like tomato and chilli was increasing day by day and affected the net returns. As per the suggestion of field facilitators, he consulted ICAR-KVK, Dharwad Scientists for low cost plant protection measures. The Scientists advised him to adopt IPM practices by growing trap crops, plant based pesticides, sticky traps (blue and yellow) etc., Presently he is convinced about the use of sticky traps in production techniques of horticulture crops and recommending the same technology to his fellow farmers. ICAR-KVK, Dharwad has already motivated and trained more than 50 farmers to take up.



Celebration of Special National Swachhhta Campaign by KVK Dharwad team



**Smt. Parvati Mahadev Dandin**  
Spl: Vegetable cultivation,  
Dairy farming  
Cell: 9845995094  
ICAR-KVK, Dharwad



## ICAR - KVK, Ernakulam

### Special Swachhta Campaign : Capacity Building Programme on Production of Organic Manure from Fish Waste

ICAR-KVK Ernakulam conducted hands on training "Production of organic manure from fish waste" on 6th October 2021 as part of Special Swachhta Campaign. The programme was inaugurated by Mrs. Lijy Dennis, Member, Munampam Grama panchayath. Sixteen entrepreneurs participated. Smt.P Sreeletha, SMS (Home Science) demonstrated method of organic manure production from fish waste.

### Training on Responsible Aquaculture conducted

ICAR KVK Ernakulam conducted training on "Responsible aquaculture" in collaboration with Paliyakal Co-operative Bank, Ezhikkara on 6th October 2021. Dr.P.A Vikas, SMS (Fisheries) took the class. Twenty Cage fish entrepreneurs participated. Participants were advised to use formulated pellet feed in place of low value fish feed to reduce environmental pollution. Biological defense mechanisms to reduce massive invasion of black mussel *Mytella strigata* demonstrated.

### Cool Season Vegetable Cultivation Gaining Momentum in Ernakulam District

KVK is promoting cool season vegetable cultivation in Ernakulam district for the last 8 years. To awaken the interest among farmers on cool season vegetable farming, an online training was conducted on 13th October, 2021. The training covered all aspects of production including seedling production, varietal selection, production, pest and disease management. Cabbage, cauliflower, broccoli, carrot, beetroot, radish and onion are the cool season vegetables suitable in homesteads of Ernakulam district. The training was attended by 136 farmers. The KVK is also supporting farmers by supplying seedlings through KVKs Satellite production centres.



**Smt. Raji George**  
Spl : Cage fish farming in granite quarry ponds  
Cell: 9645212385  
ICAR-KVK, Ernakulam



## ICAR - KVK, Gadag

### National Swachhta Campaign

Special National Swachhta Campaign was organised on 12-10-2021 at Singatarayanakeri village in Mundaragi block. The programme was organised with a theme "Waste to Wealth" for creating awareness on utilization of kitchen and agriculture waste for preparation of compost and Vermicompost. KVK Scientists briefed the villagers on importance of cleanliness at home and farm and spoke on the process of preparation of organic manure using locally available resources. Cleanliness drive was taken in the village lanes involving village community. The Members of Gram Panchayat, Village Facilitators and School Teachers were present during the occasion.

At KVK Campus, two videos on preparation of quality compost from kitchen waste and improved composting techniques were screened. A total of 112 farmers, farm women and school children participated in the programme.



**Sri Sharanayya M. Hiremath**  
Spl: Onion Seed Producer and Seed Entrepreneur  
Cell: 9900904952  
ICAR-KVK, Gadag





## ICAR - KVK, Hasan

### ICAR'S-Special National Swachhta Campaign

ICAR-KVK, Hassan conducted the ICAR'S-Special National Swachhta Campaign on the occasion of 75 years of India's Independence and on the eve of 152nd Birth Anniversary of Mahatma Gandhiji at Rampura village of C.R.Patna taluk on 06.10.2021 by organizing the guest lecture on waste management and cleaning of public place in the village. Dr. M. Shivashankar, scientist (Home Science) KVK, Hassan has inaugurated the programme and in his inaugural speech he suggested farmers to utilizing the agricultural waste properly instead of burning and throw their agriculture and kitchen waste, but if they properly utilize the waste to make vermi-compost, organic manure and farm yard manure to get additional income, improved soil fertility, higher yield, higher returns, etc.,. Dr.Nagaraja, T., scientist (Plant Protection), has briefed the objective and motto behind this campaign to the gathering. Dr. Sanketh, C. V., scientist (Agricultural Extension) has organized the programme and Panchayath Members of Rampura and 35 farmers were participated in the programme.



Special National Swachhta Campaign by KVK Hassan



**Shi Vishwanath Odeyar**  
Spl : Integrated Farming  
System (IFS)  
Cell: 9353668344  
ICAR - KVK, Haveri



## ICAR - KVK, Haveri

On the occasion of "Krishi Mela", ICAR - Krishi Vigyan Kendra, Haveri (Hanumanmatti) exhibition stall was inaugurated by Shri. B. C. Patil, Hon'ble Agriculture minister Goot. of Karnataka, Shri. U.B.Banakar, Chairman of Karnataka State Warehousing Corporation and Shri Basanagowda Gangappanavar, President of Kumadoti Horticulture FPO at Rattihallitaluka of Haveri district. On this occasion the Hon'ble Agricultural minister released different leaflets of the KrishiVigyan Kendra – Haveri. Dr. Ashoka P. Senior scientist and Head of the Krishi Vigyan Kendra – Haveri briefed on importance of minor millets especially the buckwheat crop and also demonstrated the use of 'soil moisture indicator' instrument for effecient use of water in sugarcane crop. Dr. Rajkumar G. Scientist – Soil Science highlighted the use of bio fertilizers in crop production, at the same time veterinary scientist from the center Dr. Mahesh Kadagi, explained the demonstration of rabbit rearing and improved breeds of backyard poultry (Giriraja, Swarnadhara and Khadaknaath) farmers.



### Demonstration of Soil moisture indicator in sugarcane

On the occasion of "Krishi Mela", ICAR - KrishiVigyan Kendra, Haveri (Hanumanmatti) stall was inaugurated by Shri. B. C. Patil, Hon'ble Agriculture minister Goot. of Karnataka, Shri. U. B. Banakar, Chairman of Karnataka State Warehousing Corporation and Shri. Basanagowda Gangappanavar, President of Kumadoti Horticulture FPO at Rattihallitaluka of Haveri district. On this occasion Dr. Ashoka P. Senior scientist and Head of the KrishiVigyan Kendra – Haveri demonstrated the use of "Soil Moisture Indicator" instrument in sugarcane, Soil Moisture Indicator saves the water and facilitate irrigation-scheduling. Explaining the mode of operation, he said that the sensor rods of Soil Moisture Indicator need to be inserted into the soil to a required depth to assess the soil moisture, which is indicated by glowing LEDs. This device is suitable for use in agricultural farms as well as in potted plants.



**Sri Bharamalingappa Asundi**  
Spl: Improved practices of  
Betelvine Cultivation  
Cell: 9880813742  
ICAR-KVK, Haveri



## ICAR - KVK, Idukki

### Upliftment of the Farmers Through FPO's, Mobile Apps and Waste Management

ICAR-KVK(BSS), Idukki from 1995 onwards works for the empowerment of farming community in Idukki district. To widen up the group dynamics among the farmers, a mass range awareness campaigns and meetings were organized. Many farmer groups were mobilized and as a part mainly two organizations, viz., Chinnakanal Spices Producer society, Chinnakanal and Cardamom farmer's association, Idukki were technically guided and supported by KVK. During the inauguration of these societies, a mobile app and name release of developed waste inoculums were conducted at Conference Hall, Seina Village, Chinnakkanal on 07.10.2021 under the Chairmanship of Mrs. Sheeba M, Former Panchayat President, Kumili, Idukki.

The Programme was inaugurated by Honorable Director, ICAR- ATARI, Zone XI, Dr. V Venkatasubramanian. In his inaugural address he stressed on the value chain involved in the marketing of products with enormous examples. He emphasized the role of cooperatives in enhancing the marketing of spices produces by branding and labeling.

After the inauguration of Chinnakanal Spices Producers society, a mobile app "Farmers Agro Clinic (FAC)" developed by the Cardamom Farmers Association with the technical support from ICAR-KVK(BSS), Idukki was released by him and also named "Agni, Akash and Trisul" to the three waste Inoculums developed by ICAR-KVK(BSS), Idukki after rapid trail analysis in the field. These inoculums were supplied to Higia Private limited, Kumali, for marketing function to ensure the decomposition of waste. The Programme was felicitated by Mr. Ranjendran, President, Chinnakanal Spices Producer society, Mr. Shyji Mathew, President, Cardamom farmer's association, Idukki, and Mrs. Sheeba, Director, Higia Private limited, Kumili. The programmewas coordinated by Dr. R. Marimuthu, Senior Scientist and Head, Mr. Sudhakar. S and Ms. Preethu K Paul, ICAR-KVK, Idukki.



Releasing of Farmer Agro Clinic by Director ATARI, Bengaluru



**Sri Arun Babu**  
Spl : Progressive farmer in small cardamom cultivation  
Cell: 9961917012  
ICAR-KVK, Idukki



## ICAR - KVK, Kalaburagi-I

### Post Impact factor of NICRA in Melkunda (B): Ridges and furrows method helps protect Redgram crop

Farmer in Melkunda (B) Village of Kalaburagi district has adopted it after vast tracts of red gram fields are affected by excess moisture stress.

Amid the vast tracts of red gram fields destroyed due to excess moisture stress caused by incessant rainfall in Kalaburagi this year, here is a small field at Melkunda (B) village that stands in stark contrast. A healthy crop standing on a four-acre field owned by Channabasayya has become a place of attraction for inquisitive farmers who are visiting the field to know the reasons behind the difference.

It was the ridges and furrows (R & F) method of farming that made the farmer to stand out from the crowd. Prompted by Mallanna, a farmer who had been in the forefront as far as the implementation of the National Innovations in climate Resilient Agriculture (NICRA) project in his village. He undertook the ridges and furrows method of cultivation on ridges seeds were sown.

The project was taken up by the ICAR-Central Research Institute for Dry land Agriculture (CRIDA) through KVKKalaburagi-I, "The R & F method will help to drain the field by allowing the excess water to flow through the furrows thus, reducing excess moisture stress on plants. It suits for dry conditions as it conserves water available in the ridges and reduces heat stress on plants" this is being guided by Dr. Yusufali, an agronomist of KVK.

As per official data, the district has already received 1,040 mm of rainfall and has crossed its annual average of 750 mm. Red gram is being cultivated in 5.12 lakh ha. Nearly 70% of the total sown area, in the district is turned yellow and wilted due to excess moisture. In many areas, farmers could not take up sowing due to nonstop rain that hashed for weeks. In other parts, farmers had to re-sow seeds after the failure of the first sowing that also has failed.

"I found that this R & F method of cultivation not only protects plants from excess moisture but also protects the crop from weeds. In this method, crop management is easy and less expensive. After my success, many farmers are visiting my field and enquiring about the farming method," Mr. Channabasayya told The Hindu, during a field visit recently. Farm scientists from KVK, Kalaburagi, are now planning to encourage the others to take up ridges and furrows cultivation method that is now done with a simple tractor-mounted implement.

To promote this technology in large scale government needs to step in. Officering incentives and subsidies on the implement helps to attract farmers to adopt this method, says Dr. Raju G, Teggelli, Senior Scientist, ICAR-KVK, Kalaburagi.



**Sri Suraj Patil**  
Spl: Red Banana Cultivation  
Cell : 9448012702  
ICAR - KVK, Kalaburagi





## ICAR - KVK, Kalaburagi-II

### Special Swacchata Campaign Organized at DFI Village Rasanagi

In view of Mahatma Gandhiji's birth celebration a special swacchata campaign is organized at DFI Rasanagi Village, Jewargi Taluk, Kalaburagi District on 06.10.2021. During the programme the Dr. Vikram Simha H.V. Scientist (PFE), ICAR-KVK, Kalaburagi-II explained about the cleanliness of the premises of the house, society, farm and self-hygiene. He also urged farmers to take good care while using the pesticides and chemicals. He explained the method of spraying of pesticides, calibration of sprayers. Dr. Basavaraj, Scientist (Agri. Entomology) briefed about the utilization of agricultural waste and procedure of preparation of enriched compost with waste decomposer. Different Vermicompost production methods and their advantages and disadvantages, management of the worms, importance of vermi-wash and its utilization in crop production as a nutrient and growth regulator was demonstrated to the farmers. The farmers were actively involved in cleaning the premises of the temple and school of the village. There were about 15 school students participated in the programme.



Special National Swacchata Campaign by KVK Kalaburagi-II



**Smt. Sayamma T Rekalagi**  
Spl : Integrated Farming System  
ICAR-KVK, Kalaburagi-II



## ICAR - KVK, Kannur

### Swachhta Campaigns

As a part of ICAR's Special National Swacchata Campaigns, KVK Kannur organized twoswachhtacampaigns on 6th and 12th October 2021. A discussion was conducted with officials of Haritha Keralam on waste management. KVK staff along with students, farmers and local people cleaned the sides of public road as a part of campaign. A session on "Waste into Wealth" was organized at KVK campus.



### Rural Agricultural Work Experience (RAWE) Training

A four day training programme was conducted at KVK Kannur for final year B.Sc. (Hons.) Agriculture students of College of Agriculture, Vellayani as a part of Rural Agricultural Work Experience (RAWE) programme. Fifteen students were oriented towards vision, mission, mandates and various activities of KVKs by subject matter specialists of KVK. A field visit was conducted to OFT and FLD plots. Students also had a discussion with board of directors and members of Mayyil Rice Producers Company to familiarize the activities of FPOs and preparation of business plan.



### Diagnostic Field Visit

Diagnostic field visit was conducted by expert team of KVK Kannur and Department of Agriculture to coconut and arecanut plots in different areas of Payyavur Panchayat after reporting of yellowing of palms. Severe incidence of leaf rot disease was noticed in the field. Foliar application of Hexaconazole 5EC @ 2ml/Litre was recommended for managing leaf rot. As palms showing symptoms of yellowing proper nutrient management with MOP @ 2kg/palm, Magnesium sulphate @ 500g/palm and soil test based application of boron for coconut and application of iron along with recommended dose of fertilizer for arecanut palms was recommended.



**Sri Sanity Kumar K.V.**  
Spl: Banana &  
Tuber Cultivation  
Cell: 8281018177  
ICAR-KVK, Kannur





## ICAR - KVK, Kodagu

### ICAR National campaign on Waste to Wealth conducted at KVK Kodagu involving Tribal Youth

ICAR-KVK Gonikoppal, Kodagu conducted a training programme the national campaign on waste to wealth under the swachhata campaign on 12th October 2021, Seventy-eight tribal farmers participated in the programme. KVK Head interacted with the farmers and informed them about the vermicompost technologies and how to convert waste into manure thereby reducing fertilizer consumption and avoiding the problem of wastage. Later two videos were shown to the farmers on improved composting techniques and quality compost from kitchen waste, which were share by ICAR-Institute of Soil science, Bhopal. Around 78 tribal farmers participated in the programme. There was a session on leadership and communication skills by Prof. Jagadish, retired professor of sociology. Tribal youth displayed their cultural talent also during the occasion.



### Rabies Awareness cum Vaccination Programme

ICAR-KVK Gonikoppal, Kodagu, Dept. of AH&VS Ponnampet Taluk & Grama Panchayath Gonikoppal jointly organised Rabies awareness cum vaccination programme at KVK office campus, Gonikoppal on 29th September 2021. During the programme Mrs. Chaitra, president Grama Panchayath, Gonikoppal addressed the gathering & appealed them for getting their pets vaccinated against Rabies to control the disease and congratulated KVK & Veterinary Hospital Gonikoppal for good initiative. Dr. Suresh S.C, SMS(Livestock) gave brief talk on rabies. Dr. Saju George, Principal Scientist & Head, briefed about the animal husbandry activities at KVK. Dr. Shanthesh, CVO & Dr. Ramesh, Retd. AD were actively involved in vaccinating the pet dogs. About ninety-two pet dogs of seventy-eight people of Gonikoppal, Arvathoklu, Halligattu & Athur villages were vaccinated against Rabies at free of cost. Dr. Bhaushya & Dr. Girsh were the other veterinarians who were actively involved in the programme.



**Sri S.C. Thimmaiah**  
Spl : Integrated farming system (IFS)  
Cell: 9449636569  
ICAR-KVK, Kodagu



## ICAR - KVK, Kolar

### Capacity Development Programme for Nursery Men



Vegetable nurseries play a major role in intensive successful cultivation of vegetables in Kolar district. Majority of farmers are largely dependent on nurseries for the seedlings of various vegetable crops. However, large number of nursery growers are untrained and nurseries are not certified. Since planting material is a key component, educating nursery growers about improved technologies make higher impact on quality vegetable nursery production. In this regard KVK, Kolar in collaboration with Department of Horticulture, Kolar conducted two capacity development programmes. 75 nursery growers from Kolar & Malur taluk and Department of Horticulture officials and 40 nursery men from Srinivaspura, Bangarpete & Mulbagilu taluks and officials of Department of Horticulture have participated in the programmes conducted on 5th & 8th October, 2021 respectively. Procedure for nursery accreditation, certification, importance and construction of protected structures, selection of varieties depending upon the season, preparation of enriched cocopeat, low cost seed sowing machine to increase the efficiency of labour, hardening of seedlings, vegetable grafting and other new possible interventions according to changing cropping pattern of the district along with cost effective management of nursery were discussed in detail. Further, information on effective management of various pests and diseases occurring in nurseries was also discussed in detail.



**Sri K.M. Rajanna**  
Spl: Quality vegetables production  
Cell: 9448448210  
ICAR-KVK, Kolar





## ICAR - KVK, Kollam

### Nipah outbreak - 2021 Awareness Programme at KrishiVigyan Kendra Kollam

Nipah virus commonly known as Nipah virus is a highly fatal emerging zoonotic virus disease which causes a potential threat to the global health. Nipah virus, is a RNA virus which belongs to the family paramyxoviridae. Fruit bats of the Pteropodidae family and four species under this are considered to be the natural host of Nipah. The virus is transmitted through excretions such as saliva, faecal matter, urine or through the semen of the infected bats. Transmission are through the animals (such as bats or pigs) or foods contaminated by virus infected natural hosts. Humans infected with virus also transmit the virus and thus make the one of the deadliest contagious disease. Considering its potential to cause public health emergencies, Nipah infection is designated as one of the top 10 priority diseases in the World Health Organization Research and Development Blueprint of 2018, since there is no treatment or vaccine available for either people or animals.

#### Past outbreak

Nipah outbreak was first reported in Malaysia in the year 1998. 257 animal husbandry related workers in pig farm were infected and 105 deaths were reported. The outbreak was reported in Singapore in 1999, Bangladesh in 2001 and the Philippines in 2014. The first outbreak of Nipah infection in India was reported at Siliguri, region in West Bengal in 2001, affecting total of 71 persons with a very high mortality rate of 68%. The second outbreak was reported at Nadia in West Bengal in 2007 affecting 5 persons with 100% mortality. Third outbreak was reported at Kozhikode and Malapuram district in Kerala in 2018 and out of 23 infected persons 21 deaths were confirmed. In 2019 a confirmed case was reported in Ernakulam district. Recently in August 2021 a young boy in Chanthamangalam, Kozhikode district died due to Nipah Virus.

Mode of transmission of Nipah virus is mainly through the animals and high risk is reported among pigs and other domestic animals such as horses, goats, sheep and pet animals like cats and dogs. Due to the availability of fruits (May-June) and the breeding period of the frugivorous bats (July to October) the high risk of infection is observed from the month of May to October. During the Nipah outbreak in 2021 - ICAR, KrishiVigyan Kendra Kollam organised a one day awareness programme on Nipah outbreak 2021 - "Role of Animals and Impact on Public Health" for the farmers in Kollam district on online mode on September 16th 2021. KrishiVigyan Kendra, Subject Matter Specialist Dr. Parvathy S. (Animal Husbandry) handled the session and dealt with the risk factors while handling the dairy and pet animals during NIPAH



OUTBREAK, common signs and symptoms of nipah virus in animals and in humans, safety measures to be followed by farmers and pet owners when there is an outbreak is reported.



**Sri Shanu M**  
Spl : Expert in setting up terrace vegetable garden  
Cell: 9633872300  
ICAR-KVK, Kollam



## ICAR - KVK, Koppal

ICAR-KVK, Gangavathi Organized Training Programme On INM And IPM In Paddy In Collaboration With ATMA, Gangavathi on 05.10.2021. There Are 45 Farmers Were Participated.



### Method Demonstration Of Vermicompost Production

ICAR-KVK, Gangavathi Scientist Dr. Jyothi R., participated in the Raitha Bandhu programme to give the technical guidelines on method demonstration of vermicomposting Kanakagiri taluk on 09.10.2021. There are 25 farmers are participated in the programme.



### Weather Awareness Programme To Daesi Students of IAT Bellary

ICAR-KVK, Gangavathi has given information on Meghdoot and DAMANI apps for weather and lightening, respectively to the DAESI students of IAT, Bellary on 12.10.2021.



**Sri Basaiah Hiremath**  
Spl: Organic Moringa Cultivation and Value Addition  
Cell: 9845020948  
ICAR-KVK, Koppal





## ICAR - KVK, Kottayam

### Demonstration of Polyculture of Seabass with Tilapia to Reduce the Feed Cost

ICAR – KVK, Kottayam initiated the demonstration programme on CIBA based technology of “Polyculture of seabass with tilapia” in Vaikom panchayath of Kottayam district. The demonstration is carried out in a 50 cent pond with 500 nos of high health seabass fingerlings (8-9 cm) procured from RGCA seabass hatchery and 2500 nos of advanced fingerlings of nile tilapia. Seabass is a fast growing high value culturable fish with superior meat quality but requires high protein diets. The associated high feed costs during the culture period can be compensated by polyculture with tilapia fingerlings which will serve as a nutritional supplement for seabass. Grow-out pond culture of seabass can yield a production of 400kg within a rearing period of 7-8 months.



### KVK Promotes Ornamental Fish Farming as A Gainful Employment Opportunity to Rural Youth of Kottayam District

Ornamental fish farming is identified as a livelihood enhancement employment option in developing countries. ICAR – KVK, Kottayam conducted 3 days capacity building programme on “Gainful employment to rural youth through ornamental fish farming”. The programme mainly focused on opening up self employment ventures in ornamental fish seed production and rearing, aquarium fabrication, aquascaping, ornamental fish disease management, live feed culture techniques and formulating winning project proposals for establishment of units. The practical oriented sessions were handled by experts from the field and interactive sessions with progressive entrepreneurs and exporters were the key benefits of the programme. 20 young entrepreneurs attended the programme.



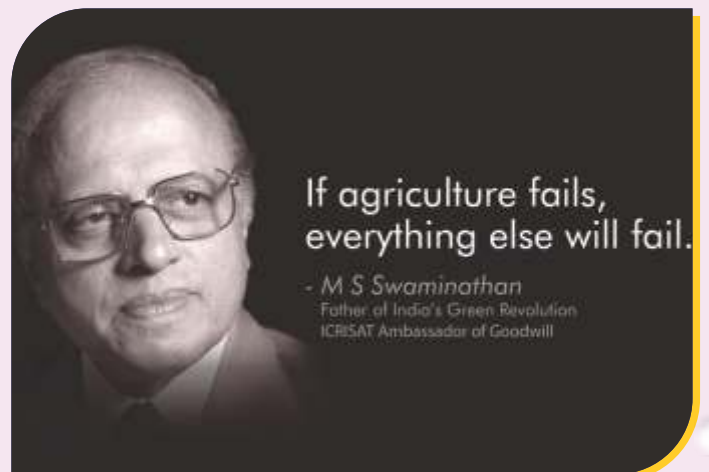
**Smt. Simi K.V.**  
Spl : Entrepreneur in Tuber & Nursery Production  
Cell: 9567813514  
ICAR-KVK, Kannur



## ICAR - KVK, Kozhikode

### Awareness Programme on Solar Energy & Water Efficient Agriculture

An awareness programme on “Using Energy Efficient pump sets and water resource efficiency” sponsored by Energy Management Centre, Trivandrum was conducted by KVK, IISR, Kozhikode. An expert class on energy efficient water pumps, solar equipments, water efficient irrigation methods and government schemes available to practice it were conducted by Er. Santosh, M, Energy Auditor, Thrissur. Awareness on electricity and water conservation and Climate resilient Agricultural Practices were also shared by Dr P. Ratha Krishnan, Programme Coordinator, KVK, IISR. The programme was attended by fifty farmers from all parts of Kozhikode district covering Kuttiaady, Naduvannur, Meppayyur, Nochad, Mukkam, Perambra, Kavalumpara, Maruthomkara, Chakkittapara, Kayanna, Changaroth and Koorachundupanchayats. Progressive farmers of Pratheeksha Farmer's Club, Maruthomkarawere attended the event and selected as green warriors to spread the message of Solar agricultural implements and water efficient practices in Maruthomkarapanchayat.



**If agriculture fails,  
everything else will fail.**

- M S Swaminathan  
Father of India's Green Revolution  
ICRISAT Ambassador of Goodwill



**Sri Shripadraj G. Murudi**  
Spl: Integrated Farming System (IFS)  
Cell: 9945514000  
ICAR-KVK, Koppal





## ICAR - KVK, Malappuram

### Rice School on SRI and Paired Row System



As part of the Virtual Farm School, KVK conducted a rice school at Athavanadu combining technologies like SRI system, Paired row system, foliar application of multi mix sampoorna and use of short duration variety Manuratna. Lead farmers from various rice areas and RAWE students took part in this programme.



### ODOP-Processing and Value Addition in Coconut

As part of the PMFE ODOP programme a training programme on processing and value addition in coconut was conducted on 29-09-2021. The programme was inaugurated by Dr. Ibraheem Kutty .C, Programme Coordinator. Dr. Meera Manjusha, Asst. Professor, RARS Pilicode, and Dr. Lilia Baby, Asst. Professor (Home science) handled the sessions.



**Sri Abdul Latheef E**  
Spl : integrated farming system with Paddy, coconut, Dairy unit of IFS  
Cell: 9947841234  
ICAR-KVK, Malappuram

### Awareness Programme on Energy Efficient Pumpsets and Water Resource Efficiency

Awareness programme was conducted on 11.10.21 on the topic 'energy efficient pump sets and water resource efficiency'. The programme had a joint venture of Energy Management centre (EMC), Department of Power, Govt. of Kerala and Krishi Vigyan Kendra, Malappuram. Sri. Azeem. K, Sr. Consultant in Energy and Process Efficiency, Alenso energy, Kochi has provided information on the selection and use of energy efficient pump sets and the importance of using renewable energy.



## ICAR - KVK, Mandya



Swachhta Campaign "Waste to Wealth" was conducted at Biliguli village of Mandya taluk on 12.010.2021. During the programme the information on waste and residue management was provided by the Scientists of ICAR-Krishi Vigyan Kendra, V. C. Farm, Mandya. The farmers were briefed on the procedure to convert residue into healthy compost enriched with nutrients. The Panchayath Development Officer Ms. Vidya, a special invitee enlightened the farmers on sanitation and she emphasized on the fact that maintaining sanitation in the village is not the only responsibility of Government or the Department, the villagers have to join hands for a better clean village. President of Grama Panchayath, Chandagalu, Mr.Vykuntaiah and Vice-President, Mrs. Meenakshi, urged the farmers to maintain sanitation and help department for betterment. Other members of Grama Panchayath Ms. Vinutha, Ms. Pavithra,P.N, Mr. Yuvaraj and Mrs. Nagamma were present. Later on, Shramdhan was done in village and residue was collected in a place to convert it to compost. The Scientists and staff of ICAR-Krishi Vigyan Kendra, V.C.Farm, Mandya were present.



**Shi Niranjana, H.S**  
Spl: IFS & Deepas for lighting from the cow dung  
Cell: 8073484942  
ICAR-KVK, Mandya





## ICAR - KVK, Mysuru

### Celebration of Gandhi and Lal Bahadur Shastri Jayanthi, World Senior Citizen Day

ICAR-JSS Krishi Vigyan Kendra Suttur and JSS education trust Suttur jointly celebrated Gandhi and Lal Bahadur Shastri Jayanthi, World Senior Citizen Day on 2nd October 2021 at JSS education trust Suttur. The invited chief guest Shri K.L. Revannaswamy, Joint Director of General Development department in JSS Mahavidyapeetha Mysuru has given speech on Mahatma Gandhiji early life and his nonviolence movement for independence and explained about life of 2nd prime minister of India, Shri Lal Bahadur Shastri. Shri K.L. Revannaswamy given speech on senior citizens has lot of experience of life, hence they should give advice to youngsters and to society whenever they need. In this program JSS institution Suttur Administrative Office Shri S P Uday Shankar, Senior Scientist Manjunath Angadi, JSS institute Coordinator Shri G.L.Tripurantaka, JSS institute Head's and KVK staff actively participated.



### Plant Propagation Training and Method demonstration

ICAR JSS Krishi Vigyan Kendra Suttur is organized training and method demonstration on plant propagation in horticulture crops in collaboration with ITC and Outreach NGO's Mysore on 4th October 2021 for rural youth. Dr Vinay G M Scientist Horticulture explained the basic information regarding plant propagation methods in different horticultural crops. In this training the Senior Scientist Manjunath Angadi, Senior Scientist and Head (In charge) Divya, Scientists Shamaraj, Netravati, Rakshith Raj, Gangadhara Hipparagi and other Staff members were present along with total 50 number of rural youths were participated and got benefited from the training.



**Smt. Swarupa Rani Hampapura**  
Spl : Desi Cow Based Products  
(Arka, Cow Dung Lamps, Dhoop, etc.  
Cell: 7259624068  
ICAR-KVK, Bidar

### Visit to innovative Horticulture and Dairy based IFS farms

ICAR JSS Krishi Vigyan Kendra Suttur Scientist Shri Shamaraj, Scientist (Agronomy) and Smt HV Divya, Senior Scientist and Head (In charge) have visited innovative horticulture farm of Shri. Soma Shekharat Thalluru village, talukand district of Mysuru.



## ICAR - KVK, Palakkad

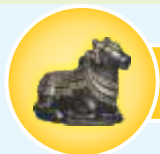
### Refresher programme for Agricultural Assistants of State Department of Agriculture

KVK Palakkad organized an offline three-day capacity building programme for extension functionaries. Programme was charted from 11th October to 13th October. Refresher training programme was meant for twenty agricultural assistants from different Grama Panchayaths of Palakkad district. Officials were deputed by the District Principal Agricultural Officer. Schedule of programme was fixed based on the schemes and activities undertaken in the state department of agriculture. Programme included sessions on organic agriculture, organic bio input production, pest and disease management in major crops, Integrated Pest Management and new generation insecticides, introduction to paddy varieties and characteristics, cool season vegetable cultivation, exotic fruit production, structures for protected cultivation and animal husbandry in IFS. Sessions included lecture followed by interactive forums. Our scientist along with experts from Regional Agricultural Research Station, Pattambi handled the sessions. We have received excellent feedback from the trainees at the end of the programme. They opinioned that their technical knowhow got refreshed and would reflect effectively in further field activities. KVK has planned to continue the programme and the following batches are scheduled for the month of November- Decemberso as to cover the entire agricultural assistants of the district.



**Sri Gopikrishnan V.**  
Spl: Profitable Paddy cultivation &  
Trichocard production unit  
Cell: 8547418486  
ICAR-KVK, Palakkad





## ICAR - KVK, Pathanamthitta

### Soil Health Campaign to Create Awareness on Importance of Soil in Agriculture

ICAR-KVK, Pathanamthitta organized soil health campaign at 5 selected Panchayats of the district to create awareness among farmers about the appropriate amount of nutrients required for each crops depending upon the quality and strength of the soil. Farmers were provided with soil health cards, on the occasion of World Soil Day on Dec 5th. The soil health card will help the farmers understand the nature of the soil and choose right fertilizers to each crop to enhance productivity. Moreover it is possible to advise farmers on the dosage of fertilizers and the required soil amendments that they should apply for maintaining the soil health of their holdings in the long run. Method Demonstration on soil sample collection from the field, awareness programmes, training for the farmers formed the part of the campaign. KVK, Pathanamthitta organized this programme in Vechuchira, Kunnamthanam, Kodumon, Nedumpuram and Kulnadapanchayats in the district. 150 soil samples based on grid method are collected and based on which soil health cards to 3000 farmers will be distributed. The programme is been implemented in collaboration with Krishi Bhavans and Grama Panchayats of concerned locality.

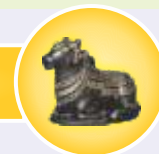


### Special Swachhta Campaign

As part of Special Swachhta Campaign of ICAR, Govt. of India, KVK conducted cleanliness programme. The KVK staff along with farmers and villagers cleaned the premises of a Covid care centre at Ezhamattoor Panchayat on 6th Oct 2021. As part of the campaign KVK seminar was organized with the theme "Waste from Wealth" on 12th Oct 2021 to make aware on Black Soldier Fly (BSF) larvae, an alternate feed made from Kitchen and farm waste to reduce the feed cost in poultry and fish farming. The crop residue management to creating wealth from the farm and home waste through vermicomposting was discussed.



**Sri P.V. Varghese**  
Spl : Plantation crops &  
Exotic fruits cultivation  
Cell: 9544286554  
ICAR-KVK, Pathanamthitta



## ICAR - KVK, Raichur

### Information for KVK times on Nipping Method Demonstration in Pigeonpea

ICAR-Krishi Vigyan Kendra, Raichur demonstrated nipping operation in pigeonpea using nipping machine at Nelagal village of Sirawara Talluk on 28th August 2021 in association with IAT, Raichur and Krishika Samaja, Raichur

Nipping operation was demonstrated by Shri Sharanappa Patil National award winner Farmer, Kalaburagi district. Following demonstration awardee farmer advised farmers to adopt simple technology in pigeonpea to context of labour scarcity. One person with machine can nip growing tip of pigeonpea in 2.5 acres and the same with manual nipping requires



12-14 laboures. Dr. Pralhad, Senior Scientist & Head, Krishi Vigyan Kendra, Raichur, welcomed the farmers and guests while addressing he called upon farmers to adopt this technology in larger scale.

Dr.S.N.Bhat, Scientist (Soil Science) talked on soil health management, Dr.M.R.Umesh Scientist (Agronomy) on improved agronomic practised and Dr. Shreevani G.N., Scientist (Entomology) on plant protection in pigeonpea. Shri Siddareddy, President of IAT, Raichur proclaimed the farmers to adopt nipping operation to get higher yield by 1 to 2.0 quintals per acre than control about 45 farmers were witnessed programme.

### Direct Seeded Rice (DSR): A boon for paddy farmers with water scarcity

A farmer Mr Srinivas from SriRannagar camp of Raichur district was growing paddy in transplanted method. With the limited water supplies to the tail end at right time, it was difficult for him to complete transplanting with the duration of water availability with limited labours. In the meantime, he learned about the DSR technology through UASR Scientists and KVKs and fellow farmers of the adjacent areas where series of demonstrations on DSR were carried out by the Scientists. From then onwards, he started growing paddy in DSR method and within a span of few years he realised good yields with less cost of cultivation. At present, Mr Srinivas is happy and is getting more rice yields with less water, labour, fertilizer and ultimately high net profit as compared to transplanted rice. The success of Direct Seeded Rice is mainly attributed to timely sowing, reduced cost of cultivation as compared to transplanting (labour, puddling costs, water for puddling-12-15%), reduced seed rate (8-12 kg/ acre as against 25-30 kg/acre required for transplanting), reduced fertilizer application rate (25-30 %) and pesticide use, saves upto 35-40 per cent water and thereby helps to increase more area under irrigation, additional production, profit, reduced water logging/ salinity and increased environmental benefits. Currently, Mr Srinivas is adopting integrated pest management in his DSR fields as a part of Large scale demonstrations by UASR and ICAR-KVK Scientists.



**Sri Basavaraj Sharanappa**  
Spl: Water harvesting techniques &  
Organic Farming  
Cell: 9740261023  
ICAR-KVK, Raichur



## ICAR - KVK, Ramanagara

### Capacity Building Programme for Sericulture Officials on "Integrated Pest Management Practices in Mulberry"

ICAR-KVK, Ramanagara in collaboration with Zilla Panchayat, Ramanagara organized a capacity building program for Ramanagara Sericulture field officers on "Integrated Pest Management Practices in Mulberry" on 07.10.2021.

Dr. Rajendra Prasad B S, Scientist (Plant Protection) briefed about the major insect pests in Mulberry and their damage symptoms. Recently, the incidence of leaf roller and yellow broad mite is very high in farmers field which alarmed sericulture industry. As GoI has banned the usage of Dichlorvos 76 EC (Nuvan), University of Agricultural Sciences, Bangalore has recommended Chlorfenapy 10 SC as substitute chemical for the management of leaf roller in Mulberry. The shifting of yellow broad mite, *Polyphagotarsonemus latus* from vegetable ecosystem is causing huge loss to the mulberry growing farmers. Hence, the researchers recommended the spraying of Propargite 57% EC @ 1.5 ml/L, Fenazaquin 10 EC @ 1.5 ml/L and Cyenopyrafen 30 SC @ 0.5 ml/L of water at early stage of the incidence for effective control of mite infestation.



Mr. Ikram Sharif, IAS, Chief Executive Officer, Zilla Panchayat, Ramanagara highlighted the impact of loss to sericulture farmers in the district and also opined that field officers should act as Para-technicians to tackle the major impediments to sericulture farmers as well as industry. Deputy Director of Sericulture, Assistant Director of Sericulture and 40 field officers from Ramanagara district participated and were benefited



**Smt. Kamalamma**  
Spl : Capsicum Export, millet and Sericulture based farming  
Cell: 9686044629  
ICAR-KVK, Ramanagara



## ICAR - KVK, Shivamogga

### 3 Days Skill Oriented Capacity Development Programme on "Bee Keeping" under ARYA project

The theoretical sessions like Species of honey bees, Colony organization, caste system, Seasonal management of bee colonies, Management of bee pest and diseases, Bee pollination, Economics of bee keeping, Value addition in honey, Bee products, Bee keeping equipments, Honey and its uses were delivered by Dr. R.N Kencharaddi, Assistant Professor, College of Forestry, Ponnampet. Dr. B.C. Hanumanthaswamy, Senior Scientist & Head delivered the



lecture on management bee pest and diseases, Dr. Jyothi M. Rathod, Scientist (Home Science) delivered the lecture on Value addition in honey. Mr. Vignesh, Bee Keeper shared his experiences related to bee keeping

activities. The practical sessions were conducted on handling of bee colonies, Identification of different castes, dividing and uniting of bee colonies. Totally 16 youth were participated and get benefitted in the programme.

### A Special National Swachhta Campaign

A Special National Swachhta Campaign was organized by ICAR-Krishi Vigyana Kendra, Shivamogga in collaboration with Agriculture Department, Shikaripura on 12th October, 2021 at RSK of Sunnadakoppa village, Shikaripura taluk to sensitize the farmers and farm women regarding agriculture waste management. The theme of the campaign was "Waste to Wealth". Dr. Jyoti, M. Rathod, Scientist (Home science), emphasized the importance of conducting the program and gave a brief introduction of the Special National Swachhta Campaign and highlighted the importance of cleanliness in day-to-day life and how a small step can lead to make society ultimately the country clean. Miss G. B. Smitha, Scientist (Horticulture) delivered a lecture on vermicomposting during a technical session. The videos and presentations provided by council were shown to the participants. Sri Ramesh, Sunnadakoppa Grama Panchayath member, participated as chief guest and in his speech he highlighted the role of women in spreading awareness about swachhta. After the programme, all the gathering were joined their hands to remove the weeds, plastics and agriculture wastes. Totally 64 participants including farmers, farm women, students were got benefitted from the programme.



**Sri Durgappa Angadi**  
Spl: Integrated Farming System (IFS)  
Cell: 7760761117  
ICAR-KVK, Shivamogga





## ICAR-KVK, Thiruvananthapuram

### Reviving Rice Cultivation after 23 Years - Mitraniketana KVK Intervention

Rice is the staple food crop of Kerala. In Thiruvananthapuram district 2039 ha area is under paddy cultivation during 2020. KVK is pioneering in spreading the technology of SRI throughout Kerala. Mitraniketana Krishi Vigyan Kendra (ICAR), Thiruvananthapuram in collaboration with the State Department of Agriculture and Poovachal Panchayat organized Planting festival on October 2, 2021.



The programme was inaugurated by Adv. G. Stephen [MLA, Aruvikkara Constituency]. Sri. T. Sunil Kumar [President Poovachal Panchayat] expressed his willingness to buyback seed from these paddy farmers and in establishing a brand name "POOVACHAL RICE". Members of the Block Panchayat and Ward, Agricultural Officer & staff of State Department of Agriculture, members of samithi etc. participated in the programme. Dr. Binu John Sam [Senior Scientist and Head, KVK, Thiruvananthapuram] highlighted the importance of paddy cultivation and assured full technical support to the farmers during the crop period. He fondly remembered the attempts of Mitraniketana KVK with the support of Cornell International Institute of Food Agriculture and Development (CIIFAD) and Zonal Coordinating Unit to popularize SRI through FLD programme initiated among the farmers in the year 2009-2010 by providing row planter and seed. He opined that SRI method of rice cultivation is a comprehensive package of practice incurring less quantity of seed, water, chemical fertilizers and pesticides. Various queries from the farmers were addressed by Smt. Jyothi Rachel Varghese [SMS, Agronomy]. It was a mass awareness campaign among the farmers to revive paddy cultivation in that area after a long gap of 23 years. The farmer representative and convener Shri. Biju expressed his sincere thanks for the interventions of Mitraniketana KVK in making this planting festival a reality. Mitraniketana KVK supplied quality assured seeds and assisted them in preparing Mat Nursery and its maintenance. The farmers were overwhelmed by the wide coverage of the program made through Doordarshan, Mathurbhoomi, local TV channels and newspapers.



**Simi A.J**  
Spl : Integrated Farming System (IFS)  
Cell: 7907480021  
ICAR-KVK, Thiruvananthapuram



## ICAR - KVK, Thrissur

### KVK Module of RAWE Programme of 2018 batch CoA, Vellayani at KVK Thrissur



The Rural Agricultural Work Experience (RAWE) programme is a flagship activity for the final year B.Sc. (Ag.) students during the last semester. Building self-confidence in the agricultural graduates by nurturing their professional skills is the key objective of introducing RAWE (STUDENT READY) programme at the under graduate level by ICAR. Twenty students from College of Agriculture Vellayani of 2018 batch joined at KVK Thrissur for the KVK module of RAWE programme from 04.10.2021 to 07.10.2021. Students were given orientation to the mandatory activities of KVK along with farm activities. Students were trained in preparation of agricultural inputs like Trichoderma enriched manure and different biopesticides. Practical exposure was given to different types of grafting methods. Exposure visit was organised to the field of progressive farmer and State award winner Smt. Sopna Kallingal, Pattikkad. An interactive session was also organised for the RAWE students with the progressive farmer and Zonal award winner Sri. Rajanarayanan T.V, Thiruvilwamala Panchayat.



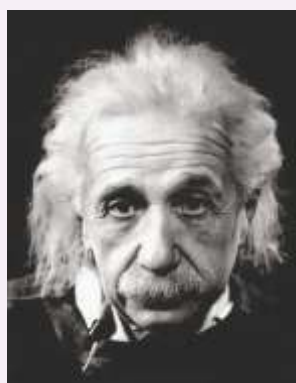
**Sri Vinu D.**  
Spl: Mushroom Cultivation  
Cell: 6238069640  
ICAR-KVK, Thiruvananthapuram



## ICAR - KVK, Tumakuru

### Rural Horticultural Work Experience Programme for Final B.Sc. (Horticulture) Students

As a part of RHWEP 2021-22 course final year B.Sc. (Horticulture) Mr.Theja M.J.Ms.Jeevitha N. and Ms.Gagana D.R. students were placed in at ICAR–KVK, Hirehalli, Tumakuru for two weeks i.e. 27th Sept 2021 to 9th October 2021. Students exposed for getting experienced the KVK mandates, extension activities and getting acquaint with the KVK work atmosphere and working nature. The experience gained by students from KVK is of high valued and more practical. The programme was coordinated by Dr. N.Loganandhan Head and Mr. K.N.Jagadish Agril. Extension, Nodal Officer for RHWEP 2021.

**If the bee disappeared off the surface of the globe then man would only have four years of life left. No more bees, no more pollination, no more plants, no more animals, no more man.**  
- Albert Einstein



**Sri Ganapathi Ramakrishna Bhat**  
Spl: Arecanut Processing, value addition of minor fruits & Bee Keeping  
Cell: 9845053024  
ICAR-KVK, Uttara Kannada



## ICAR - KVK, Udupi

### Mahila Kisan Diwas Celebration



Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences Shivamogga, Indian Council of Agricultural Research, New Delhi, ICAR-Krishi Vigyan Kendra, Brahmavar, SammrudhiMahilaMandali, Pethri, Cherkady has organized MahilaKisanDiwas at Kannar village Pethri, BrahmavarTaluk, Udupi district. The programme was inaugurated by Mrs. Roopa J Mada, Assistant Director of Agriculture, Kundapura. Mrs. Prasanna Prasad Bhat, owner Annapoorna Nursery Pethri, was the president of the programme. Dr. B Dhananjaya, Senior Scientist & Head, ICAR-Krishi Vigyan Kendra Udupi was chief guest of the programme. During the programme three best farm women were honoured to mark the occasion and distributed vegetables seed kit and tissue culture banana saplings to the participants. Total 37 Farm women were participated in the programme.



**Sri Hanumanthappa B. Madlur**  
Spl: Rainfed Farming with 60 different & crops Multi crop specialist  
Cell: 7353008733, 8197937071  
ICAR-KVK, Uttara Kannada





## ICAR-KVK, Vijayapura-I

### Special Swachhata Campaign

Krishi Vigyan Kendra, Vijayapur has organized special swachhata campaign with the theme of "Farm Waste to Wealth" & kitchen waste to wealth". The gathered farmers & students were thought about importance of farm waste & kitchen waste and demonstrated how to use these waste to convert vermicompost. The farmers were practically involved in the preparation of vermicompost from farm waste and the worms also released to the vermibeds. In the programme Dr. Shubha S Senior Scientist & Head, Dr. Shivalingappa. H, Scientist (Pl.Pathology) Dr. Vivek S Devernavadagi, Dr. Prema Patil & Shri S. C. Rathod were involved.



### Mahila Kisan Diwas

International Day of Rural Women (IDRW) is observed on 15th October. It is a UN observance, Government of India (GoI) has also declared 15th October as Mahila Kisan Diwas. Which recognizes "the critical role and contribution of rural women, including indigenous women, in enhancing agricultural and rural development, improving food security and eradicating rural poverty." In order to create awareness and make realize the younger generation about the contribution made by farm women, Mahila Kisan Diwas was organized by KVK Vijayapura. Introductory remarks was given by Dr. Shubha, S., Senior Scientist and Head, KVK Vijayapur. A training on drudgery reducing implements for farm women was given by Dr. PremaPatil, Scientist (Home Science). Twenty nine participants participated in the programme.



**Malappa Ningappa Hirekurubaru**  
Spl : Innovation of Bike mounted  
Sprayer & ICM

ICAR-KVK, Vijayapura-I



## ICAR - KVK, Vijayapura-II

### Mahatma Gandhiji Jayanti and Lal Bahadur Shastriji Jayanti

Mahatma Gandhiji Jayanti and Lal Bahadur jointly celebrated on 02.10.2021 at ICAR, KVK, Vijayapura-II (Indi). Dr. R.B. Negalur, Senior Scientist and Head presided the function. Final year B.Sc (Agri) students present on this occasion. Performed the pooja for both dignitaries by KVK, Head. Students spoke about the Mahatma Gandhiji and Lal Bahadur Shastriji life and achievements. Dr. R.B. Negalur, Senior Scientist and Head on this occasion stressed to be discipline and be punctual on work.



### Special Swachhata Campaign

ICAR Krishi Vigyan Kendra, Vijayapura-II (Indi) organized swachhata camping at Bhairunagi village of Indi taluka adopted village on 06.10.2021 and another on 12.06.2021. Dr.Savita B, Scientist (Soil Science), 26 B.Sc agriculture final year students, 04 school children's and 02 farmers and 02 staff member were participated in the National special swachhata activity. Dr Savita B, Scientist (Soil Science) explained about the preparation of vermicompost, vermivash and how to use kitchen waste to convert it into vermicompost. Dr. S.S. Anjum advised the farmers to utilize the biological waste of plant after harvest and use the decomposer liquid so that the biological waste will decay faster.



**Rajashekar R. Nimbargi**  
Spl: Natural farming Integrated  
farming and nursery unit  
Cell: 8762482005  
ICAR-KVK, Bidar



## ICAR - KVK, Wayanad

### KVK Wayanad-UAV's to the rescue of farmers Drone Technology in Rice as FLD



A demonstration of application of bio control agents with a Unmanned aerial vehicle (UAV) executed with the support of Padinjathara Krishi Bhavan on a five acre paddy field at Kuppadithara has evoked curiosity among farmers. The programme has been conducted with the assistance of ICAR-ATARI under the guidance of Director of Extension, KAU.KVK hired the UAV with its service from Fuselage Innovations incubated at KAURABI.

As the first phase, liquid *Pseudomonas* was aerielly sprayed at the rate of 5 ml per liters of water after 60 days of transplanting using drone. The inauguration of the programme was done by Sri. P.A. Jose, Padinjathara Development Standing Committee Chairman and Mrs. Rekha T. Padinjathala Agriculture officer, presided the function. The event was organized under the leadership of Dr. Allan Thomas, KVK -Wayanad Programme Coordinator and Kalpetta Block Agricultural Knowledge Center Nodal Officer. KVK Scientists, Dr. Indulekha V.P, Mrs. Ashita M. R and Dr. Deepa Rani C.V. Scientific Officer, Sri. Raja Manitook lead roles in the programme. The front line demonstration was conducted in the rice fields of Sri. Jose, Kannothe area padasekharam Secretary and farmers Sri Sreedharan Nair, Sujith, Babu and Sivasankaran.



**Sri E. Radhakrishnan**  
Spl : Profitable Plantation Crops  
Cultivation  
Cell: 9946458026  
ICAR-KVK, Kasargod

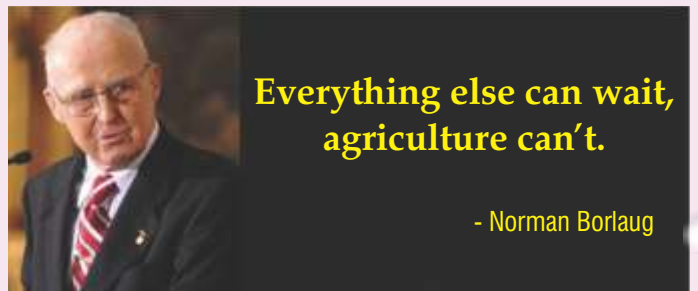


## ICAR - KVK, Yadgir

### Capacity development programme on Scientific Bee keeping



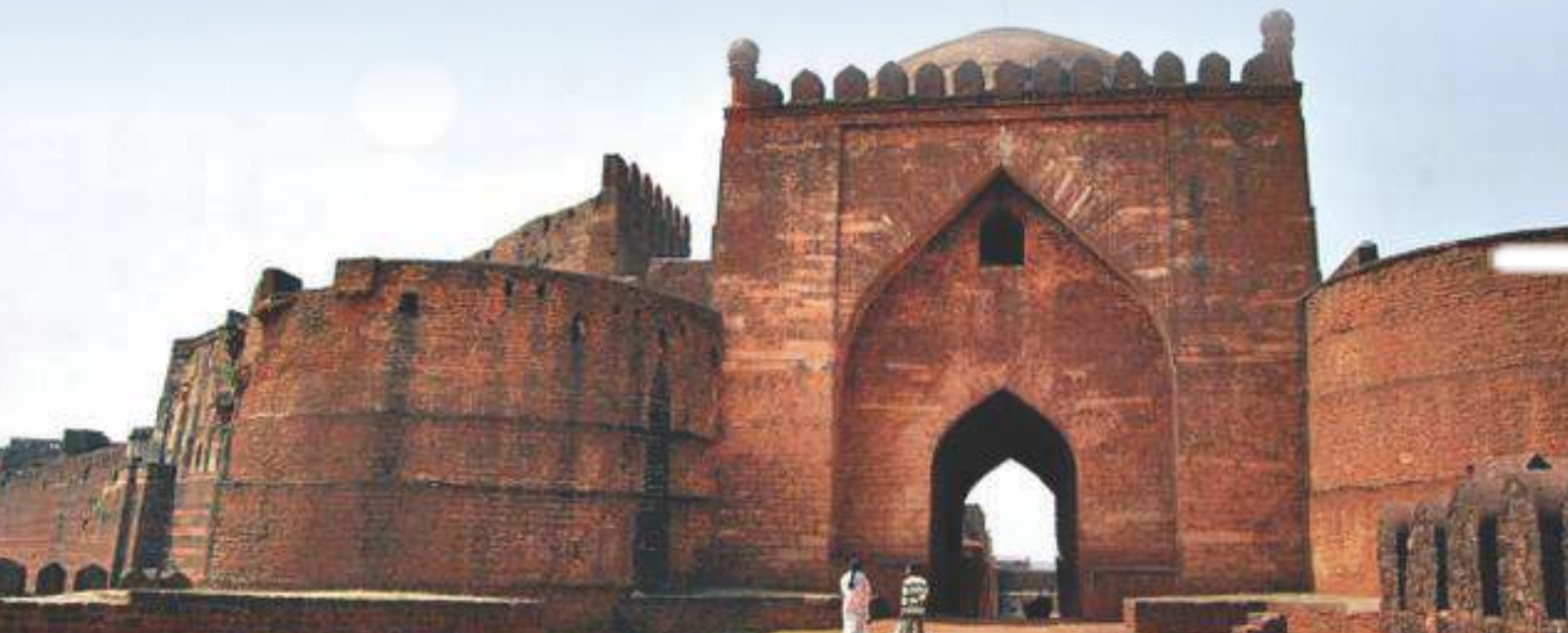
On line Training programme was organized on "Scientific bee keeping" under National Bee Keeping and Honey Mission in collaboration with National Bee Board (NBB), New Delhi from 05.10.2021 to 11.10.2021. The programme was inaugurated by Santosh Sheshalu, Senior Assistant Director of Horticulture, Dept of Horticulture, Shorapur. Trainees were trained on different aspects of scientific bee keeping viz. importance and history of bee keeping, different species of honey bees, colony organization and division of labour, bee life cycle, bee products, pollination and role of NBB in development and promotion of bee keeping. 25 farmers and extension personnel were participated successfully.



**Sri Havinal Sandesh**  
Spl: Organic Custard apple &  
paddy cultivation  
Cell: 9036347347  
ICAR-KVK, Yadgir



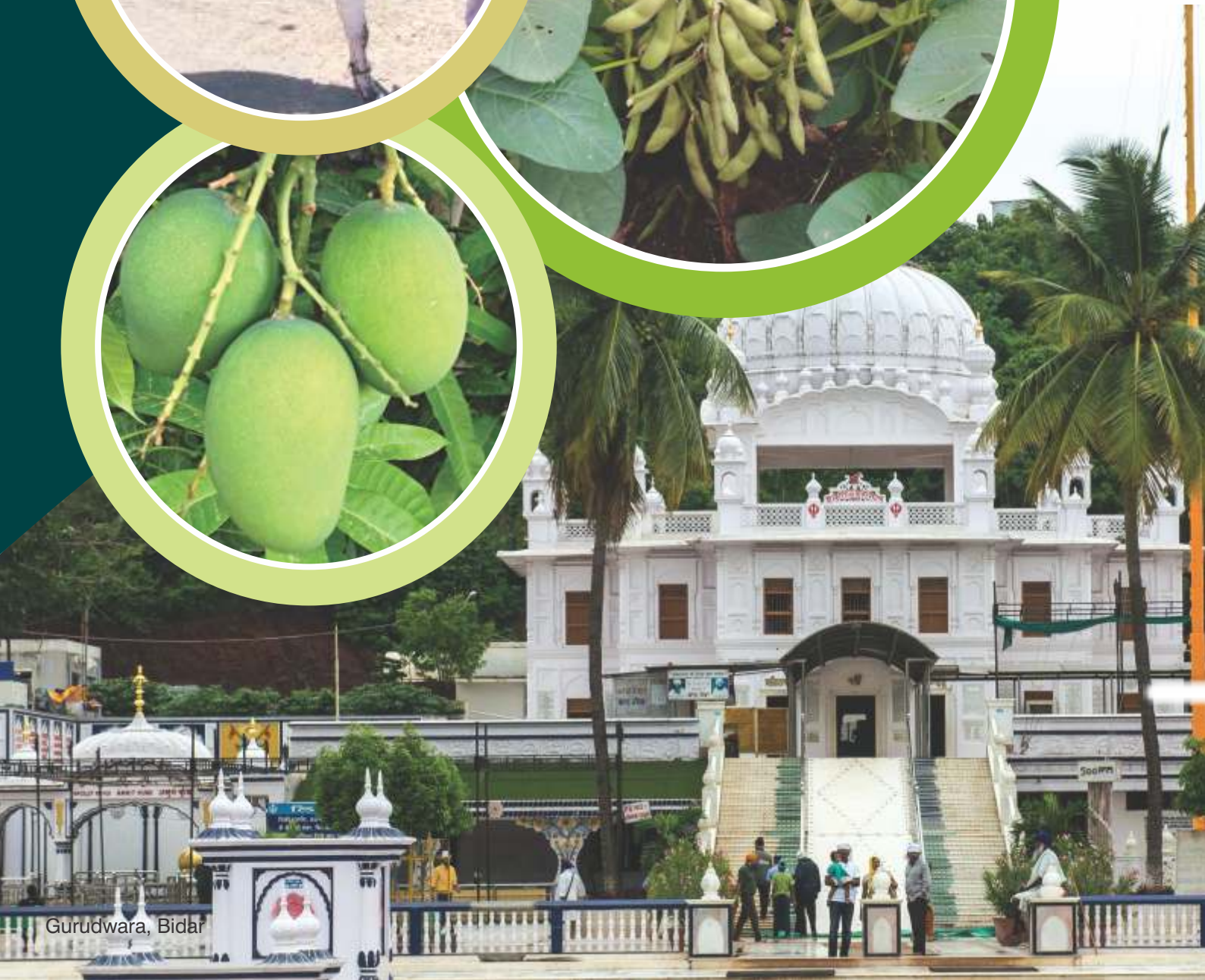
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**ನಮ್ಮ ಬೀದರ**



ನೋಡ ಬನ್ನಿ  
ಶರಣ, ಸಾಫಿ ನಂತರ ನಾಡು  
**ನಮ್ಮ ಬೀದರ**



Gurudwara, Bidar





## *KVK Times*

A WINDOW TO KVKs OF ICAR - ATARI, ZONE - XI

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