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# **KVK TIMES**

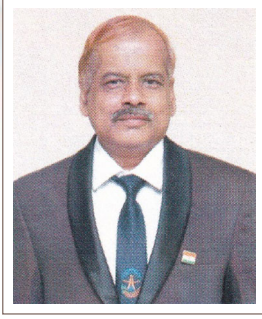
**A WINDOW to KVKs of ICAR-ATARI  
Zone-XI, Bengaluru**



**ICAR-Agricultural Technology Application  
Research Institute, Zone – XI, Bengaluru**

**Keladi Shivappa Nayaka University of Agricultural and  
Horticultural Sciences, Shivamogga**

**ICAR-Krishi Vigyan Kendra  
Mudigere, Chikkamagaluru**



*Message*

**Dr. M.K. NAIK**

Ph.D. (IARI), PDF (ICRISAT), FBF (USA), FNAAS, FNABS, FPSI

Vice-Chancellor

**Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences**

Savalanga Road, Shivamogga - 577 204, Karnataka

The KVK has covered the length and breadth of the district by way of addressing a wide ranging of issues in natural farm resource management, farming systems and diverse agriculture, horticulture, livestock and fisheries enterprises. In the process, new technology options are introduced, refined and modified to suit the local agro-eco systems.

Further, it has organised the capacity development programmes to farmers and extension and also work as knowledge and resource centre of agricultural technology for supporting initiatives of public and voluntary sector in improving the agricultural economy of the districts.

ATARI zone XI has planned to unique idea of bringing out fortnightly e-news letter in the name of KVK times. It is highly appreciable and I congratulate ICAR-KVK, Chikkamagaluru, Mudigere and its team for neat design and compilation of extension activities organised by the 48 KVKs during second fortnight of November 2021.

(M.K. NAIK)



*Forward*

**Dr. V. VENKATASUBRAMANIAN**

FIASC., FIAAVR., FUWA

Director, ICAR-ATARI, HA FARM POST  
Bhoopasandra Road, MRS, Hebbal, Bengaluru - 560 024

Krishi Vigyan Kendra, in doing the first line extension activities at grass root level to enhance the production and productivity by disseminating the advanced technologies in the field of agriculture and allied sectors which intern increases the socio economic status of the farming communities in specific and Indian economy in general. Further, it organises the skill oriented vocational capacity development programmes to provide self employment to rural unemployed youths for their livelihood security.

It is my immense pleasure to share the KVK Times compiled by the KVK, Chikkamagaluru for the period of fortnight of November 2021. I am very much happy to quote here that, KVK, Chikkamagaluru has awarded the National Best KVK award for the year 2021 by the Agriculture Tody group.

Further, I am grateful to Dr. M.K. Naik, Vice Chancellor and Dr. Hemla Naik B., Director of Extension, KSN University of Agricultural & Horticultural Sciences, Shivamogga and KVK fraternity for serving the farming communities for their betterment.

I extend my special thanks to Dr. Krishnamurthy, A.T., Senior Scientist & Head, ICAR-Krishi Vigyan Kendra, Chikkamagaluru & his team to bringing 10<sup>th</sup> Edition of KVK Times in a befitting manner.

(V. VENKATASUBRAMANIAN)



*Message*

**Dr. B. HEMLA NAIK**

Ph.D. (Hort.), PGDH (Israel), eLNg Ag Edn (USA)

Director of Extension & Professor (HAG)

Directorate of Extension

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Through the Frontline Extension System, KVK plays an important role in the transfer of technologies from research stations to the doorsteps of farming communities. The contribution of KVKs in agriculture is remarkable and they are playing an important role in closing the gap between research institutes and farming communities. It thrives hand in hand to improve the socioeconomic conditions of the rural masses by creating self-employment opportunities for their livelihood security.

Documentation of various extension activities carried out by KVK is a critical task, and this will provide a suitable platform for all KVKs to showcase their achievements, get to know one another, and be acknowledged.

Under the dynamic leadership of Dr. V. Venkatasubramanian and his team, the ATARI, Zone XI, Bengaluru is doing an excellent job of showcasing the outreach activities in the name of KVK Times. This would be a convenient way to access important milestones achieved in the zone.

The Directorate of Extension, KSNVAHS, Shivamogga is pleased to announce that our KVK, Chikkamagaluru has brought great honour and fame to the University by receiving the National level “Best KVK Award” from the ‘Agriculture Today Group’ for the academic year 2020-2021.

I thank KVK, Chikkamagaluru, for editing and compiling the 10<sup>th</sup> issue of KVK Times for the period of November 16<sup>th</sup> to November 30<sup>th</sup>, 2021, and I express my heartfelt gratitude to Dr. A. T. Krishnamurthy and his dedicated team for covering the important events and activities of KVK in this issue.

(Director of Extension)



Acknowledgement

**Dr. KRISHNAMURTHY, A.T.**

Senior Scientist & Head  
ICAR-KVK, Mudigere Taluk, Chikkamagaluru Dist.

I take this opportunity to acknowledge the heartfelt gratitude to our beloved Dr. M.K. Naik, Vice Chancellor, KSN University of Agricultural Horticultural Sciences, Shivamogga for constant support to KVK staff to work at grass root level to enhance the production and productivity by disseminating the advanced technologies in the field of agriculture and allied sectors.

It is my immense pleasure to thank to all KVK family of Zone XI for quick response and sharing their activities for KVK Times in stipulated time.

I would like to extend my heartfelt thanks to our beloved Director of Extension, KSNUAHS, Shivamogga Dr. Hemla Naik B. for his constant support and inspiring words motivate us to carry out the assigned work with ease and perfection and I also thank to all the staffs of Director of Extension, Dr. S.U. Patil, Associate Director of Extension for his guidance and Dr. Manjesh, Technical Officer for his timely help to complete the work in time.

I extend my heartfelt thanks to Dr. Rayudu B.T., Principle Scientist & Nodal Officer of our KVK for his support and timely guidance.

Last but not the least, I sincerely thank whole heartedly to my whole team of KVK, Chikkamagaluru both technical and non technical team for their constant support and their contribution to come up this issue very nice and neatly in time.

I whole heartedly thank to ATARI, Bengaluru, Zone XI for giving me an opportunity to compile the 10<sup>th</sup> issue of KVK times for the period of 16<sup>th</sup>-30<sup>th</sup> November 2021.

(KRISHNAMURTHY)



# DEMONSTRATIONS AND CAPACITY BUILDING PROGRAMMES



## ICAR - KVK CHIKKAMAGALURU

### Demonstration on Ecofriendly technology for management of pod borer in Bengal Gram

ICAR-Krishi Vigyan Kendra, Mudigere conducted Front Line Demonstration programme on integrated pest management in Bengal gram at Tadaga village of Ajjampura taluk.

Dr. Girish, R., Scientist (Plant Protection), Krishi Vigyan Kendra, Mudigere, briefed about the role of integrated pest management in reducing the pod borer incidence in Bengal gram. The technology was demonstrated on use of pheromone traps with *Helicoverpa armigera* lure at 8 no./acre in farmer field. The farmers were also briefed with low cost technologies like seed treatment with bioagent like trichoderma or pseudomonas for management of wilt disease and erection of bird perches in the field helps in controlling the pod borer larva. The technology like use of NPV was also enlightened farmers in reducing the pest ecofriendly without any insecticide application.

A totally 25 beneficiaries were demonstrated covering the area of 10 ha. The programme was associated with Sri. Siddarameshwara FPO, they ready to provide inputs in FPO'S for large scale adoption.



### Nutri-garden in school

ICAR-Krishi Vigyan Kendra, Mudigere conducted front line demonstration programme at Govt.



higher primary school of Muttigepura village, Mudigere taluk on 23.11.2021 on importance of Nutri Garden in schools

Dr. Krishnamurthy, A.T., Senior Scientist and Head, KVK, Mudigere, aware among the students about the importance of nutri garden in a daily life and also by growing of vegetables in the nutri garden will get chemical free and fresh vegetables these will helps the students to get nutrients in their daily diet.

Further, Dr. Satheesh, N., Scientist (Home Science), KVK, Mudigere, explained about the importance of Crops grown in nutri-garden like vegetables, green leafy vegetables, fruits and tubers. It's useful to get fresh and chemical free and helps them to save money by reduce the purchasing of vegetables from the market and to make them to active throughout the day by nutri-garden works. Daily consumption of our nutri-garden vegetables it helps us to improve the immunity level of an individual during Covis-19 pandemic.

The demonstration was witnessed by School principal, Physical education teacher and school children who actively involved in preparation of kitchen garden.

## ICAR - KVK ALAPPUZHA

### Inauguration of Agro-processing Training cum Incubation centre (APTIC) & Training hall cum laboratory building

Inauguration of the Agro-Processing Training cum Incubation Centre (APTIC) established at



the KVK with funding from the Kerala State Dept. of Agricultural Development and Farmers Welfare was done by Sri. P. Prasad, Hon. Minister of Agriculture, Govt. of Kerala on 18.11.21. On the occasion, the newly built Training hall cum laboratory building of the KVK funded by ICAR-ATARI was inaugurated by Adv. A.M. Arif, Hon. M.P. of Alappuzha. Adv. U. Prathibha, Hon.MLA of Kayamkulam presided over the function in the presence of Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru; Dr.Anitha Karun, Director, ICAR-CPCRI; and Dr. P. Muralidharan, Head, KVK. About 100 participants including entrepreneurs from Malappuram, Calicut, Palakkad, Thrissur, Ernakulam, Kottayam, Pathanam-thitta, Kollam and Thiruvananthapuram districts attended the function. An interface of the entrepreneurs with the Minister along with the display of their products of Coconut, Jackfruit, Banana, Rice, Papaya, Spices, Millets and fruits also was arranged on this occasion.

### ICAR - KVK BAGALKOT

#### Agriculture and Environment the Citizen Prospective

Delivered lecture on “Job Opportunities in Agriculture and Allied Sectors” to High school students of Adarsha Padavi Poorva Shikshana Samste Bevr in programme on Agriculture and Environment the Citizen Prospective on 26-11-2021.

#### Whip Worm and Barbers Pole Worm Infestation in Goat

Conducted post-mortem on goat dead due to chronic weakness and poor growth rate at KVK, Bagalkote by Animal Scientist. On conducting the postmortem it was revealed that the death was due to Whip Worm (*Trichuris ovis*) infestation in large intestine and Barbers Pole Worm (*Haemonchus contortus*) infestation in abomasums on 27-11-2021. As a precautionary measure all animals in the flock were dewormed with ivermectin oral suspension on 30-11-2021.



Whip worm (*Trichuriovis*) infestation in large intestine of goat

### ICAR - KVK BALLARI

As a part of series of programmes organised to commemorate “Azadi Ka Amrit Mahotsava” ICAR-KVK, Ballari conducted awareness programme on “Agriculture and Environment: Citizen face” on 26-11-2021 at Government High School, Bairapura of Siruguppataluk. Dr. Ravi, S., Soil Scientist briefed the students on importance of soil health in maintaining balance in the environment. Dr. Shilpa, H., Scientist (Home Science) enlightened the students on importance of nutrition in children’s health and also importance of nutrigarden. Dr. Anandkumar, V., Entomologist gave knowledge on safe use of pesticides. Mr. Jagadeesh Naik, Meteorologist explained the importance of effect of global warming and ways to overcome the situation.

Drawing competition on Agriculture and Environment was conducted and prizes to the winners were distributed during the programme. President and members of the School Development Management Committee (SDMC), progressive farmer of Bairapura village, subject inspector Sri. Channabasavana Gouda, Sri. Basavaraj, Sri. Chagappa and teachers of the high school were present during the programme. Total of 120 high school students took part in the programme.



## ICAR - KVK, BENGALURU RURAL DISTRICT

### Inauguration of 6th batch DAESI programme for input dealers

Inauguration of '6<sup>th</sup> Batch Diploma in Agricultural Extension Services for Input Dealers was held on 29.11.2021 at ICAR Krishi Vigyan Kendra, Hadonahalli, Bengaluru Rural District. Dr. A.P. Mallikarjuna Gowda, Senior Scientist and Head, preamble the programme and introduced the students. He highlighted the mandates of DAESI programme and role of Input dealers in Agriculture as para Agriculture Extension workers. He mentioned the importance of diploma for input dealers to maintain integrity in their business services.

The programme was inaugurated by Dr. N. Devakumar, Director of Extension, UAS, Bangalore by pouring water to the plant along with other dignitaries. In his inaugural address, briefed the students about importance of

contact classes and urged to provide technical information to the farmers in a benefitting manner not only in a business point of view but in servicemotto. Mr. Obaleshappa, Facilitator, DAESI programme and staff of Krishi Vigyan Kendra, Bengaluru Rural District and 40 DAESI students were participated in the programme.



## ICAR - KVK BELAGAVI-I

### Sponsored training on "Energy efficient pump sets and water conservations"

ICAR-BIRDS Krishi Vigyan Kendra, Tukkanatti, Belagavi-1 organised the one day training on "Energy efficient pump sets and water conservations" for farmers. This training program was sponsored by Karnataka Renewable Energy Development Limited (KREDL), Bengaluru. This one day training is technically supported by Aqua Sub TEXMO and SELCO by display of energy efficient pump sets, solar motors etc. Training program was inaugurated by Er. Smt. Savita S. Meti, Technical Engineer, KREDL and delivered lecture on "Operation of energy efficient pump sets". Mr. Anil Joshi, Manager, Aqua sub TEXMO, Bengaluru delivered lecture on "Use of energy efficient pump sets", guest lecture on Bio fuel: Renewable energy source was made by Sri. Adarsh, H.S., Scientist (Fisheries), KVK Belagavi-1 and another lecture on Soil & Water conservations measures by Sri. M.N. Malawadi,

Scientist (Agronomy), KVK Belagavi-1. Finally this training was concluded with collection of feedback from trainee farmers. This grand one day event was addressed by 110 farmers who participated in the training and made the event successful.



## ICAR - KVK BELAGAVI-II

### Jalshakti Abhiyana

Krishi Vigyan Kendra organized Jalshakti awareness programme at KLE Polytechnic, Bailhongal on 26.11.2021. The programme was inaugurated by Sri. V.I. Patil, President, CADA (M & G) and Director, KLE Society, Belagavi. Speaking on the occasion, he highlighted that, water is a precious natural resource and there is an urgent need to draw the attention of farmers towards conservation of rain water in rainfed farming and judicious use of irrigation water in irrigated areas. Mrs. Sridevi B. Angadi, Senior Scientist & Head suggested collecting rain water in farm ponds and reusing during non rainy days to save the crop. Addressing the



gathering on rain water conservation and its reuse, S.M. Warad, Scientist (Soil Science) said that only 8% of rain water is conserved in India and the remaining water is let to sea which can't be reused for any purposes as it become salty. Among 2.5% available good quality water, 70% is used for agriculture and 22% for industrial purpose and due to continuous extraction of ground water to meet the growing need, the ground water availability is declining every year.

## ICAR - KVK BIDAR

### Capacity building training programme on Backyard poultry farming

ICAR KVK Bidar conducted capacity building training programme on Backyard poultry farming on 09-11-2021.

The programme was inaugurated by Dr. Vidyasagar, Assistant professor (LPM), KVAFSU, Bidar enlightened the participants about Importance of backyard poultry farming, methods of rearing, market facilities, value addition and facilities available from the university to different categories of farmers. Dr. Sunilkumar. N.M., Senior Scientist and Head, gave introductory remarks on Backyard poultry production is an old age profession of rural families. It is an enterprise with low initial investment but higher economic returns and can easily be managed by women; children and old aged persons of the



households and Dr. Akshaykumar, Scientist (Animal science), KVK Bidar explained that Raising of local poultry breeds in backyard. During this programme Dr. Udaykumar, Veterinary officer, Dr. Sidharth Savale Veterinary officer, AH & VS Bidar and KVK Bidar Scientists Dr. R.L. Jadhav, Dr. Ningdalli Mallikarajun and Dr. Rajeshwari were present. About 65 farmers from different villages participated in the training programme.

## ICAR - KVK CHIKKAMAGALURU

### Importance of weather based forecasting system and weather based applications in agriculture

ICAR-Krishi vigyan Kendra organized capacity development programme at Narasimharajapura Taluk on 26.11.2021. Mrs. Shabnum, P.S., SMS-Agromet has enlightened the gathering about the DAMU schemes and its mandates, effect and role of weather in crop production. Further explained about preparation and circulation of bulletins based on major crops in the taluk and also advised the farmers to practice weather based farming system and Climate Smart Agriculture in order to reduce the loss & risks in agriculture sector. Provide information explained in details about selection of right crop & right variety and effective utilization of weather forecasting in agriculture. In addition to they provide information about selection Climate Smart Agriculture practices starts from land preparation to harvest. Along with that, they advised the people to follow the advisories



of DAMU-KVK, Mudigere regularly in which DAMU will provide Integrated Crop Management advices in Agromet advisory services (AAS). They have also explained in detail about Meghdhoot and Damini Application and its uses for farming community. In this programme 40 farm women got benefits out of it.

## ICAR - KVK CHAMARAJANAGARA

### Celebration of events on Agriculture and Environment: The Citizen face

ICAR KVK, Chamarajanagara has organized orientation programme on Agriculture and Environment: The Citizen Face on 26.11.2021 at ICAR KVK, Chamarajanagara for the participants of DAESI programme candidates. During the programme, Mr. Abhishek, Scientist (Extn.), Chamarajanagara explained about the use of vegetative mulch instead of plastic sheet mulching and safe disposal of used pesticides containers.

One more programme was organized at Govt. High School, Demahalli village, Santhemarahalli Hobli, Chamarajanagara. Dr. Sunil, C.M, Scientist (Agronomy), created awareness among the school children about environment friendly agriculture, scientific management of agriculture waste and safe usage of pesticides and chemicals. 30 school children along with the faculty members participated in the programme.



Agriculture and Environment: The Citizen Face at Govt. High school, Demahalli village

## ICAR - KVK CHIKKABALLAPURA

ICAR Krishi Vigyan Kendra, Chikkaballapura organized on campus training on Value addition in millets on 29.11.2021. Miss. Bhavana, Scientist (Home Science) explained and demonstrated the preparation of value added products in finger millet like ragipappad, ragi mixture and ragi laddu. 20 farm women participated in the event



Dr. Vinoda, K.S., Scientist (Sericulture) and Mrs. Aruna Programme Assistant (Lab) visited the farmers field and released trichogramma (Tricho cards) to control leaf roller in mulberry at Abloodu village of Sidlaghatta taluk of Chikkaballapura district on 27.11.2021. Farmers were explained about importance of eco friendly management practices in management of pests and disease in mulberry.



## ICAR - TARALABALU KVK DAVANAGERE

### Seed treatment with bio fertilizers

ICAR–Taralabalu KVK conducted the On campus training program for NFSM–CFLD Bengal gram farmers of Kaledevarapura, Jagalur taluk. Mr. Mallikarjuna, B.O., SMS (Agronomy) provided the information regarding the production technology of Bengal gram and method demonstration on Seed treatment with bio fertilizers'. DDA and ADA, Department of Agriculture, Davanagere attended the program. ICAR-TKVK provided the critical inputs seeds and Bio fertilizers for 25 selected farmers.



### Intercropping of Redgram in Maize

Mr. Mallikarjuna, B.O., SMS (Agronomy) delivered lecture on Advantages of Intercropping of Redgram in Maize during the field day organized on the occasion of Bharath Amurth Mahotsava at Urulukatte, Jagalur taluk in collaboration with Department of Agriculture, Jagalur.



## ICAR - KVK DAKSHINA KANNADA

### Management of Red palm weevil in coconut and arecanut

ICAR-Krishi Vigyan Kendra, Mangaluru, (Dakshina Kannada) organized a capacity development programme on “Management of Red palm weevil in coconut and arecanut” for the farmers of Dakshina Kannada District on 29.11.2021 at Tenkamijar Village of Mangaluru Taluk.

In this programme Dr. Kedarnath, Scientist (Plant Protection) participated and briefed about the IPM practices for red palm weevil that includes cleaning of palm crown periodically to avoid decaying of organic debris, proper cutting, splitting and burning of red palm weevil infested palms and treating wounds on the palm with coal tar/mud and stem injection with Imidacloprid @ 1 ml L<sup>-1</sup> of water or spinosad 0.013% and conducted method demonstration on installation of Pheromone trap with red palm weevil lure-ferrugineol @ 1 per hectare area. Dr. Mallikarjun, L., Scientist (Soil Science) organized a method demonstration on soil sampling and briefed about the impact of soil health management practices in coconut and arecanut cropping system. A total of 22 farmers and extension functionaries of agriculture department were participated.



## ICAR - KVK DHARWAD

### Awareness programme on PMFME and Workshop on mango

Under ATMA Nirbhar Bharat - Pradhan Mantri Formalisation of Micro food processing Enterprises (PMFME), an awareness programme on PMFME and Workshop on mango was organized by Department of Agriculture, Dharwad at DATC, Dharwad on 23.11.2021. Dr. S.A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad participated as resource person in the training programme and delivered lecture on “IFS with special reference to horticulture and livestock components”. Director, WALMI, Dharwad inaugurated the programme. Managing Director, KAPPEC, Director, Mango Board, Joint Director of Agriculture, Dharwad, Lead Bank Manager, Dharwad, Deputy Director of Horticulture, Dharwad and President, District Krishika Samaj were the guests of the function. Representatives of all development departments, Agriculture Department officials and extension functionaries participated in the programme. More than 300 mango growers of Dharwad district and small scale agri entrepreneurs participated in the programme. Improved cultivation practices for mango, use of mango special micronutrients, processing and value addition to mango, creation of SHGs’ and FPOs’ and market linkages were discussed.



## ICAR - KVK ERNAKULAM

### Cool season vegetable farming:

A training on *Cool season vegetable farming* was conducted by KVK Ernakulam in association with North Paravur Block Panchayath on 18<sup>th</sup> November 2021 at North Paravur. The programme was inaugurated by the Block Panchayath president Smt. Simna Santhosh. KVK Scientist Sri. Shoji Joy Edison conducted the training. An orientation programme on Entrepreneurship *in vegetable seedling production* was also conducted to selected participants.



### KVK's satellite seedling production unit commenced supply

Satellite production units are the agro input production hubs of KVK Ernakulam established at various locations in the district in collaboration with farmers/rural entrepreneurs where they produce quality inputs with technology backstopping and quality control of KVK. Marketing support is also being provided by KVK. *Haritham* women group was the one developed under the Mahila Kisan Shasaktikaran Pariyojana of Government of India for producing quality vegetable seedlings, located at N. Paravur Block Panchayath campus. The group commenced seedling supply in an exclusive sales mela organized by KVK at N. Paravur on 18<sup>th</sup> November 2021.

## ICAR - KVK GADAG

### National campaign on the theme Agriculture and Environment: the citizen face

In the series of events under "Azadi ka Amrit Mahotsav", ICAR-KVK, Gadag organized various activities for students on 26-11-2021 on the theme "Agriculture and Environment: The Citizen Face". The programme was organized at KVK Campus for the Students of Sri. K.H.Patil Vidya Mandir High School, Hulkoti. An orientation was given to the students on various aspects of agriculture production, environment, opportunities for self employment and entrepreneurship. Students were exposed to technologies related to soil fertility management, organic farming and livestock. A debate competition was held for the students on the theme "Agriculture in the present context". Students were taken to exhibition hall of KVK for exposing them to various technologies. They were also taken to demonstration units of azolla cultivation, vermicompost production and food processing. A total of 52 students along with one teacher participated in the programme.



## ICAR - KVK IDUKKI

### Soil health cards to ensure soil health Awareness among farmers

Awareness on soil health management was conducted at farmer's field of Vandenmedu in association with Department of Agriculture, Kerala. Idukki soil is acidic in nature and deficiency of Calcium, Magnesium, Potassium, Zinc and Boron are the major constraints faced by farmers. High rainfall made the soil less productive due to leaching and erosion losses of nutrients and has effect on growth of the crops. Poor nutrient management strategies have resulted in poor nutrient status thus deteriorating the productivity as well as quality of soil. Adoption of soil health card scheme not only increased the productivity but also the fertilizer use efficiency in crops. Soil samples were collected and analyzed for ensuring the fertility status in Vadanmedu village. Soil health card were explained and distributed among farmers to make them aware on the deficiencies in the soil. Awareness were given to farmers on Soil acidity and application of lime at right time and quantity. Fertilizer application based on soil health were explained in the card with accurate time and quantity of application. The deficiencies of secondary and micronutrients were addressed and made them aware on the importance of micronutrients in the soil. 36 farmers participated the awareness programme.



## ICAR - KVK KALABURGI-I

### “National Campaign on Agriculture and Environment: the Citizen Face”

ICAR-Krishi Vigyan Kendra, Kalaburagi-I and Dr. B.R. Ambedkar residential school jointly organised “National Campaign on Agriculture and Environment: the Citizen Face” under Azadi Ka Amrit Mahotsav at Pattan village and Kalaburagion dist 26.11.2021. The programme was inaugurated by Dr. Zaheer Ahmed, KVK Scientist, explained importance of agriculture and environment conservation and called upon on participants to involve actively in agriculture activities, protect the environment for future generation and sustainable use of natural resources. Presiding over the function, Mr. Sharanbasappa Patil, Principal, Dr. B.R. Ambedkar residential school suggested to the participants opined that more importance to transfer of new technologies to farmers for sustainable growth of agriculture also save the environment from harmful pesticides. Later competitive programmes were conducted various to the participants on agriculture and environment. More than 100 school children, teaching and non-teaching staffs were part of the event.



## ICAR - KVK KALABURGI-II

### First report of new invasive quarantine insect pest species, *Thrips parvispinus* (Kerny) (Thripidae: Terebrantia: Thysanoptera) on chilli, *Capsicum annum* L.

During problematic field visit of chilli crop at Sonna village Jewargi talukas by the team of ICAR-KVK, Kalaburgi-II scientists, they got initially unidentified and uncontrollable suspected new thrips species damaging on chilli crop. Dr. Basavaraj, Scientist (Agril. Entomology) visit again recollected the samples of this thrips species and send to the National Bureau of Agriculturally important insect pest resource, Bengaluru for further taxonomic identification of insect. After the reply from NBAIR, Bengaluru it is confirmed that *Thripsparvispinus* (Kerny) (Thripidae: Terebrantia: Thysanoptera) on chilli, *Capsicum annum* L. damaging on leaves, growing tender leaves points, flower buds and even on young fruits. Both nymphs and adults direct to feeding on upper and lower under surface of the leaves, growing points, flower buds and flowers leads to silvering and whitening of under surface of the leaves. Continues feeding leads to crinkling and reddening of leaves followed by dropping of flowers and flowers buds. Hence it is necessary or need of the hour to monitor the invasive pest for effective management on chilli.



## ICAR - KVK KANNUR

### Orientation Programme on Agriculture and Environment: The Citizen face

An orientation programme was organized at KVK Kannur as a part of National level campaign organized by ICAR under “Azadi Ka Amrit Mahotsav” on the theme Agriculture and Environment: the Citizen Face at 10.30 am on 26.11.2021. Smt. Shylaja, Project Director, Agricultural Technology Management Agency (ATMA), Kannur inaugurated the programme. She pointed out the importance of ecofriendly approaches in agriculture. Dr. Jayaraj, P., Programme Coordinator gave key note address on the relevance of agriculture and environment. He emphasized on importance of sustainable agriculture and significance of waste management. An interactive session on various aspects of sustainable and ecofriendly crop management practices was carried out in which participants expressed their views on environmental perspectives of agriculture. Block level coordinators of Kudumbashree Mission delivered felicitation address. Farmers, farm women, agripreneurs, school children and KVK Staff members participated in the event.



## ICAR - KVK KODAGU

### Training and awareness programme on energy efficient pump sets and water conservation

ICAR-Krishi Vigyan Kendra, Gonikoppal, Kodagu organized a Training and awareness programme on use of BEE Star labelled energy efficient pumpsets and water conservation on 18<sup>th</sup> November 2021 in collaboration with the Karnataka Renewable Energy Development Limited, Bengaluru and Sri Kshetra Dharmasthala Rural Development Project (NGO). The programme was inaugurated by Sri. Dinesh Kumar, Asst. Technical officer, KREDL, Bengaluru. Dr. Saju George, Principal Scientist and Head, KVK, presided the programme and in his address spoke on the importance of energy conservation and its impact of climate change in Agriculture. Sri. Padmaiah, Project Officer, Sri Kshetra Dharmasthala Rural Development Project (NGO) shared initiatives taken on renewable energy sector by the NGO in their operational area to the gathered participants. During the programme various topics related to water conservation, roof top water harvesting, farm ponds, check dams, pump sets etc were highlighted and discussed upon. 150 farmers, farm women, rural electrical technicians, agri service dealers, officials and scientists were participated in the training programme.



## ICAR - KVK KOLAR

KVK, Kolar organized programme on Importance of weather and use of various weather based apps in agriculture at Chakanahalli, Malur taluk on 16.11.2021. During this programme, SMS (Agromet) gave information on importance of weather-based farming, use of various weather based mobile applications viz., Meghdoot, Damini and Mausam, how to utilize the AAS Bulletins in planning various agricultural operations. A demo was given on MEGHDOOT app, steps to download, registration and usage of this app for farming activity. Also provided information about types of weather forecasting and how weather conditions prevailed for next five days and next one month is discussed and also explained about the management strategies under abnormal conditions like heavy rainfall, high wind speed and effect of continuous cloudy condition on crop growth and development. Further, information on pest and disease incidence during the prevailing weather conditions in major crops and were disseminated and interacted with the farmers on various agri-related issues. More than 50 farmers have participated in this programme.



## ICAR - KVK KOLLAM

### **Entrepreneurship Development in Agro Based Food Industry – A Step to Recharge Secondary Agriculture Sector in Kollam District**

ICAR- Krishi Vigyan Kendra, Kollam conducted five days Capacity Building Programme on “Entrepreneurship Development in Agro Based Food Industry” for 10 rural women in Aaryankavu village of Punaloor block under the project entitled “Strengthening of Agro processing unit as Training and Facilitation centre for Kollam district” funded by the Department of Agriculture and Farmers Welfare, Kerala. First batch of the Capacity building programme was inaugurated by Dr. Bini Sam, Professor and Head, KVK Kollam on 02.11.2021. Course Coordinator, Smt. Shamsiya, A.H., Assistant Professor (Community Science) handled technical sessions on “Scope of secondary agriculture and post-harvest management in agro based products”, “Food safety, quality certification and standards”, “High value products from coconut (coconut value addition and product development)” and “Value addition of tuber crops for sustainable livelihood security”. Technical Session on “Post-harvest machineries and processing equipment” was handled by Dr. Bini Sam, Professor and Head (Farm Machinery) KVK, Kollam. Dr. Suma Dakar, Professor and Head. College of Agriculture, Vellayani, Kerala Agricultural University, handled session on “Promising Technologies and Opportunities in Jackfruit based processing” through google platform. Dr. Bindu Podikunnu, Assistant Professor (Agrl Extension), KVK-Kollam, handled sessions on “Entrepreneurial opportunities in agro based Food Industry in Kerala” and “Qualities of a successful entrepreneur and Group dynamics”. Dr. Safiya, N.E., Assistant Professor (Community Science) KVK Wayanad

addressed the “Importance of packaging and labelling in food industry” through google meet. Technical Session on “Value addition and product diversification in fruits, vegetables and underexploited fruits was covered by Dr. Jissy George, Subject Matter Specialist (Home Science) ICAR- KVK Alappuzha, through google meet Agricultural processing sector covers those horizontal set of activities engaged exclusively in the production of processed products from agricultural raw materials. Secondary agriculture assumes prominence with the announcement of the goal of doubling farmers’ incomes through value addition in primary agricultural activities and generating additional income at the enterprise level. Promoting agro based enterprises at affordable technologies, skill and knowledge-based exposure are vital. In this light theory and hands own experiences were provided to the trainees. They also got an opportunity to participate in the exhibition of value added products from roots and tubers (ODOP crop of the Kollam District) arranged by ICAR-CTCRI-Thiruvanantha-puram at KVK, Kollam.



## ICAR - KVK KOTTAYAM

### **Training programme on Integrated Nutrient Management to Fertilizer Dealers**

Central Training Institute under the Directorate of Extension, Kerala Agricultural University in

collaboration with KVKs conducted Three days Certificate course on Integrated Nutrient Management (INM) for the fertilizer dealers of the state. The participants included fertilizer dealers from Kottayam, Idukki, Ernakulam and Alapuzha districts of Kerala. Thirty Eight participants who had registered for the certificate course took part in the training programme. The training programme included different aspects of integrated nutrient management, importance of soil testing and fertilizer recommendation based on soil test result, scientific techniques for soil sampling, methods of preparation of manures and compost and importance of FYM, green manures, vermicompost. The importance of Soil Health card and recommendation of suitable amendments to enhance crop productivity was explained. Hands on training were given on simple qualitative laboratory tests for assessing purity of fertilizers and detecting common adulterants in fertilizers. The sessions were handled by the scientists of KVK, Kottayam and Regional Agricultural Research Station, Kumarakom.



## ICAR - KVK LAKSHADWEEP

### 1ST Friends of Coconut training (FOCT)

The first sixday Friends of Coconut Tree (FOCT) training was organised by KVK-Lakshadweep, ICAR-CMFRI at Kavaratti from 22-27 November,

2021 sponsored by Coconut Development Board, Kochi. The KVK converged with Department of Agriculture, UT Administration of Lakshadweep and Thanal - A charitable Organisation for implementation. This is the first FOCT training organised in the island for enhancing skills of native coconut climbers. The training was imparted for six days involving theory and practical sessions to develop para technicians for extension work in coconut based farming system. The programme was inaugurated by Mr. Abdul Kader, Chairperson, Village Dweep Panchayat of Lakshadweep islands in the presence of Dr. P.N. Ananth, Senior Scientist and Head, KVK-Lakshadweep, Dr. Mohammed Koya, Scientist, ICAR-CMFRI, Mr. Shareef, District Agriculture Officer and others. The chief guest of the meeting indicated that 20 farmers benefitted with Coconut Climbing. Dr. P.N. Ananth, Head, KVK familiarised FOCT training to the audience as well as indicated the good practices adopted in FOCT programmes in different states.



## ICAR - KVK MALAPPURAM

### Skill Development Training on mushroom cultivation

Two days skill development training to MGNREGA workers were carried out on mushroom cultivation and its value addition as a part of Unnathi project on 24.11.21 and 25.11.21. The programme was inaugurated by

Sri. Rajan, Block Development Officer, Ponnani. The felicitations to the programme was done by Dr. Ibraheem Kutty, programme co-ordinator, KVK, Malappuram and Sri. Rasheed, Block Development Officer, Kuttippuram. The training sessions were handled by Dr. Lilia Baby, SMS (community science).



## ICAR - JSS - KVK MYSORE

### Information on celebration of events on Agriculture and Environment: The Citizen face

On 26th November 2021, ICAR JSS Krishi Vigyan Kendra, Suttur celebrated Agriculture and Environment: The Citizen face KVK conducted a drawing competition to 25 children's of Suttur JSS School students. KVK organized Exposure visit to demo plots and Orientation of school children towards opportunities in agriculture sector for entrepreneurship and employment program. The school children visited the demo plots of KVK and Mr. J.G. Rajanna, Program Assistant, gave information about the demo units of KVK. In the orientation program Smt. Divya H.V., Senior Scientist and Head (I/c) explained about the opportunities in agriculture sector for entrepreneurship and employment program. She explained about the scope for agriculture education and procedures to apply for diploma, Degree seats and 50% reservation is there for students coming from farm families. long term training courses available for the students who are discontinuing their education

after 10<sup>th</sup> from KVK. She motivated the students to become an entrepreneur in agriculture and In this program 60 School children participated. Prizes were distributed to the winners. Sri. Nagaraj JSS School teacher, Sri. Gangadhar Hipparagi, Farm Manager, Dr. G.M. Vinay Scientist (Horticulture) were present in the program. Smt. Netravati Yattinamani Scientist (Homescience) master the ceremony.



## ICAR - KVK PALAKKAD

### Promotion of Organic Farming

A four day on campus training on 'Organic farming' was conducted by KVK Palakkad covering various topics on importance and need of organic farming, its components, ITK's used in organic farming as well as organic certification. The training programme included technical sessions on enriched organic manure production, composting, botanicals, bio pesticides as well as hands own experience of their production. The participants gained a thorough knowledge on long – term benefits of



organic farming to people and the environment. The trainees included Diploma holders in Organic Agriculture, MGNREGS members and women farmers. RAWE students of College of Agriculture Padanakkad also handled a session on liquid organic manure preparations.

## ICAR - KVK RAMANAGARA

### Karnataka's unique Treasure – Janagere Jack

Janagere is a small village in Magaditaluk, Ramanagra district, Karnataka state, which is 11 Kms away from KVK, Chandurayanahalli, Magadi taluk, Ramanagara district and is known for unique variety of jackfruit tree Popularly known as “Janagerehalasu”. Mr. Ravish, J.R. from Janagere village, aged 42 years, is the 10<sup>th</sup> generation owner of the Jackfruit tree which is spread over an area of 761 sqmt and is said to be around 250 years old. He has conserved the tree by fencing and maintained by following scientific management practices such as application of biofertilizer, manures and fertilizer, pruning techniques, water management and disease management under the guidance of Krishi Vigyan Kendra, Ramanagara from past 10 years. The tree yields around 500-600 fruits per year weighing from 8–20 Kg, fetching price of Rs. 400 to 800 per fruit. Income from this single tree is more than two lakh per year. The tree has wide canopy with height of 19.5 mt in length, girth of 6.3 mt around trunk and spread to an extent of 761



sqmt. The bulbs are rectangular in shape, yellow coloured, thick and firm, suitable for table purpose with unique taste and aroma. Fruits can be harvested between March and August which is gumless at ripened stage and easily digestible. Around 18000 grafts have been propagated by nurseries of Lalbagh, Bagenagere, Kaval and UAS (B) and also more than one lakh seedlings/grafts were propagated through private nurseries and other farmers of Channarayapattana, Doddaballapura, Hassan, Ramanagara and Shivamogga. The plants are also available online for sale by India mart. The farmer has been felicitated in International Jack Conclave organised by UAS (B) and also received various recognitions and compliments from local institutes, politicians and farmers visiting this place. This tree is the oldest tree with unique features in Karnataka state and one of the oldest trees in the country. This Jackfruit variety needs to be promoted for National level recognition and protected under PPVFR act.

## ICAR - KVK SHIVAMOGGA

### One day skill oriented capacity development programme on “Bee Keeping” under ARYA project

ICAR-Krishi Vigyan Kendra, Shivamogga organized one day skill oriented capacity development programme on ‘Bee Keeping’ under ARYA project on 18-11-2021 at Talakalakoppa village of Soraba taluk. The objective of this programme was to learn the skills in Bee Keeping through practical experiences and hands-on training. The theoretical sessions like species of honey bees, caste system, management of bee pest and diseases, economics of bee keeping were delivered by Mr. Vignesh, Bee Keeper of Talakalakoppa village. Mr. Ananth Kumar Hegde, Bee keeper delivered the lecture on colony organization, seasonal management of bee colonies and bee keeping equipments. Dr.

B.C. Hanumanthaswamy, Senior Scientist & Head delivered the lecture on Bee products, role of honey bees in crop pollination, production of honey and market linkage. Dr. Jyothi M. Rathod, Scientist (Home Science) delivered the lecture on value addition in honey and its uses. Totally 42 youth were participated and get benefitted in the programme.



## ICAR - KVK THRISSUR

### KVK Thrissur Bharathka Amruth Mahotsav celebrations

On 26<sup>th</sup> November 2021 as part of the Bharathka Amruth Mahotsav celebrations programmes for school students on the theme “Agriculture and Environment: the Citizen Face” was organised by the institute. Two classes on “Production technology of cool season vegetables and their Pest and disease management” and an exhibition of the institute products was conducted at Thumpur, Thrissur in which around 60 school student participated.



In another event conducted at Kerala Agricultural University, high school campus a drawing competition was held for high school students on the topic “Man and Agriculture” five students took part in the competition.

## ICAR - KVK TRIVANDRUM

### Viable Strategies in Bee Keeping for Doubling Farmers Income

During extensive field visits to Nedumangadu, Vamanapuram & Vellanad for different extension activities, it was observed that many of these areas had natural habitation of wild flowers and those of cropped ecosystem, which where best suited for rearing honey bees. This was hitherto not practiced by farmers of those regions which paved way to make us think this as an alternative source of income and guiding those farmers to double their farm income. However, those farmers were sceptic in investing in Apiculture. ICAR- KVK Mitraniketan, Trivandrum, approached HortiCorp for their support and they responded positively promising full financial support for rearing bee colonies including bee hives and its accessories. Inspired by this gesture and with the view of imparting scientific knowledge on bee keeping to farmers, which enhances crop productivity and income generation, ICAR–KVK, Trivandrum organized two days’ orientation programme for these farmers. The programme was inaugurated by Smt. K.S. Rajalekshmi, President, Vellanad Grama Panchayath, The programme was



presided over by Sri. Vellanad Sreekandan, Vice President, Vellanad Gramapanchayath. Dr. Binu John Sam, Senior Scientist & Head, ICAR-KVK, Mitraniketan, Smt. L.P. Mayadevi, Ward Member, Sri. Sunil, B., Regional Manager (Horticorp), Smt. Rakhi Alex, Marketing Manager (Horticorp) felicitated the gathering. The Trainees were exposed to different species of honey bees, their characteristics, bee behaviour, hive management, breeding techniques and accessories to be used for management of Honey Bees. 40 farmers including farm women were participated. KVK is offering beekeepers orientation training to the beginners in beekeeping and refresher training on beekeeping to the stake holders. Earnest efforts are being made to rejuvenate the beekeeping industry through technical guidance to the beekeepers and also by handling classes to the public. Food security, food diversity and productivity enhancement can be ensured through promotion of beekeeping in all parts of Thiruvanantha-puram district.

## ICAR - KVK TUMKUR-I

### National campaign on Agriculture and Environment: the Citizen Face

On the Occasion of 75<sup>th</sup> Azadi ka Amrit Mahotsav “National campaign on Agriculture and Environment: the Citizen Face” was celebrated at ICAR-KVK, Konehalli, Tumakuru-I on 26.10.2021 by interacting with students gave focus on opportunities in agriculture sector for entrepreneurship and employment and took students to demonstration plots (Beekeeping, Vermi compost unit, Meterological unit, azolla unit & micro plots) of KVK campus. Dr. O.R. Nataraju, Senior Scientist & Head gave information on role of agriculture tandem with environment for decuring food security, sustenance of



natural resource and preserving the environment for future generation. Scientist, technical and non technical staff and around 73 students were present in the programme.

## ICAR - KVK TUMKUR-II

### Composting of farm residue by windrow method using Arka Decomposer

Swachhta Campaign “Resource conservation and creation of Wealth from Waste”. Demonstration Composting of farm residue by Windrow method using Arka Decomposer, using farm waste like leaves, straw, areca husk and flower stalks, was conducted on 27.11.2021 at Chikkadoddavadi Village, Koratagere Taluk, Tumakuru District. Composting of crop residues using Arka Decomposer was demonstrated in the field of farmer Kemparaju. Dr. G. Selvakumar, Principal Scientist from the Division of Natural Resources, ICAR-IIHR, highlighted the importance and need of composting of crop



residues. Dr. N. Loganandhan, N., Principal Scientist, Head, ICAR KVK, Hirehalli, Tumakuru explained about conversion of crop residues and other biomass into vermicompost. During the demonstration, farmers shared their views and cleared their queries about compost making. Sri. K.N. Jagadish, SMS Agril. Extension and Mr. Praveen, Young Professional-II coordinated the demonstrations programme. About 22 farmers actively participated and benefitted from this demonstration.

## ICAR - KVK UDUPI

### Training Programme on DSR method of Paddy Sowing

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Indian Council of Agricultural Research, New Delhi, ICAR Krishi Vigyan Kendra, Brahmavar has organized training programme on DSR Method of Paddy Sowing at Vishnumoorthi Temple Parampalli on 18.11.2021. Dr. Naveen, N.E., Scientist (Plant Protection), KVK Brahmavar explained about the different Sowing methods along with DSR Method & also importance of Drum Seed Method especially for coastal part of Karnataka. Dr. B. Dhananjaya, Senior Scientist & Head, KVK Brahmavar gave information about direct Seeded Rice method & also about its importance. Farmers were discussed about DSR method also other important operations with



KVK Scientists. Sri. Ramesh Herle, Sri. Udaya Kokkarne & Sri. Nagaraj, Progressive farmer were present in the programme. Sri. Raghu Madyastha, Farmer Parampalli village has coordinated the programme.

## ICAR - KVK VIJAYAPURA-I

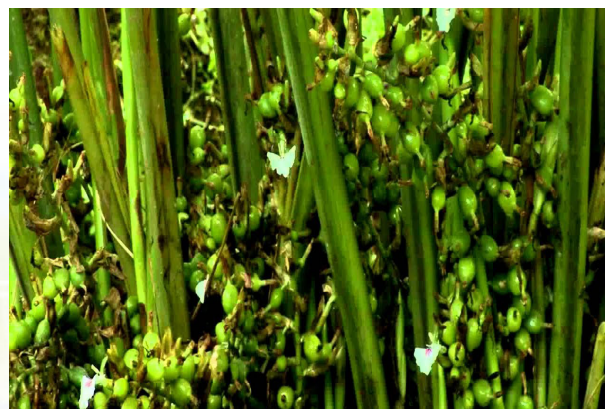
### Interface meeting

An interface meeting with extension functionaries of the line departments was organised by Krishi Vigyan Kendra, Vijayapura on 30.11.2021. Deputy Directors from the line departments such as Agriculture, Fisheries, Animal science, Forestry, NABARD and Women and Child Welfare department were present on the occasion. Valuable suggestions were given by the officials and programmes that would be beneficial for the farmers were discussed and planned. The meeting concluded with vote of thanks.



## ICAR - KVK WAYANAD

The distribution of cool season vegetable seeds and seedlings to Thirunelli tribal community was inaugurated by the ATARI Director in Kattikulam a panchayath where 67 per cent of population is constituted by tribal family. Director spoke to the 40 tribal farm women on the importance of nutrition garden and health of tribal present for the function facilitated by KVK through convergence with Kudumbasree Mission. Director stressed on the need for scaling up of food security program to ensure food and nutritional security among tribal and for cultivating nutritious vegetables in the home yard. In the programme, KVK, Wayanad Programme Coordinator, Dr. Allan Thomas explained about the project. Thirunelli Grama Panchayat Welfare Standing Committee Chairman Smt. Rukhiya Sulaiman gave the Presidential speech.



*Field days.....*



## ICAR - KVK CHIKKAMAGALURU

### Field day: Management of Fall Army worm in maize

ICAR-Krishi Vigyan Kendra, Mudigere celebrated field day Programme at Beernahalli village of Kadur taluk.

Dr. Girish, R., Scientist (Plant protection), KVK, Mudigere, briefed about the importance of seed treatment in maize crop. The incidence of fall army worm was managed up to 30-45 DAS and inturn helped in better vegetative growth of crop. Later incidence after 45 days after sowing there was no economic damage to the crop. The demonstration of seed treatment with (Cyantriniprole + Chlorantriniprole) at 4 gram per kg of seeds was demonstrated. The beneficiary farmers were happy by observing in the reduction of pest damage.

Dr. A.T. Krishnamurthy, Senior scientist and head, KVK, Mudigere high lightened the farmers to adopt small and low cost technologies like seed treatment which will reduce the cost of protection which intern gets higher yield.

Dr. Satish, Scientist (Home Science), progressive farmer Beeregowda, Agriculture department officials, gram panchayat member and 45 farmers were witnessed this programme.



### Field day on integrated nutrient management in Ginger

KVK, Mudigere conducted field day on Ginger crop at DFI cluster village G. Hosahalli,

Mudigere taluk. Mr. Kiran, M.R., Scientist (Horticulture) briefed about the importance of Ginger special for high yield. This technology was developed by IISR Calicut, Kerala. As per the IISR technology Micronutrient Ginger Special to be sprayed at 45 Days after planting and at 45 days interval up to 6 months. By this technology demonstration increase in length of the crop, quality of rhizome and also got 10-15% more yield by application of Ginger special.

Dr. Girish, R., Scientist (Plant Protection), KVK, briefed how pest and disease will reduce the yield and cause loss to the farmers. Further, he suggested farmers to take up integrated pest and disease management in crop to avoid crop loss. Finally, farmers were taken to the demonstration plots to show the results of improved varieties and technologies. Dr. A.T. Krishnamurthy, Senior Scientist and head, Dr. Satish, Scientist (Home science), Final Year B.Sc. (Agri) students, College of Agriculture, Hassan and 58 Farmers of G. Hosahalli were participated in the programme.



## ICAR - KVK HASSAN

### Field day on Ragi

ICAR-KVK, Hassan has conducted the Field day on improved varieties in Ragi at Rampura, C.R. Patna taluk under the adopted village programme on 24.11.2021. Mr. Basavaraju, Progressive farmer, Santheshivara, C.R. Patna taluk has inaugurated the programme and in his

inaugural speech he said that farmers should adopt both improved varieties and organic farming practices in their farm to improve yield and soil health. Dr. M. Shivashankar, Scientist (Home Science) KVK, Hassan has chaired the programme and during his presidential remarks he said that to get higher income farmers should practice scientific farming by taking advice from the scientist. Dr. Nagagraja, T., Scientist (Plant Protection), KVK, Hassan has briefed how pest and disease will reduce the yield and cause lose to the farmers. Further, he suggested farmers to take up integrated pest and disease management in crops to avoid crop lose. Finally, farmers were taken to the demonstration plots to show the results of improved varieties and technologies. Mr. Vikram, MCF, Hassan, Ms. Bindu, N., Scientist (Soil Science), KVK, Hassan, Ms. Lavanya, K.S., Scientist (Horticulture), KVK, Hassan, Final Year B.Sc. (Agri) students, College of Agriculture, Hassan and 85 Farmers of Rampura were participated in the programme.



## ICAR - KVK KOPPAL

### “LCC for Real Time Nitrogen Management in Paddy”

“LCC for Real Time Nitrogen Management in Paddy” field day was organized by ICAR-Krishi Vigyan Kendra, Gangavathi on 15.11.2021 at Siddapur village of Gangavathi Block. Dr. M.V. Ravi (Senior Scientist and Head) had given a

lecture on Usage of LCC in Paddy, Sri. Narappa, G. (Technical officer, Farm management) had given a lecture on “Water management in Paddy, Dr. Raghavendra Yaligar (Scientist, Agril. Entomology) had given a lecture on IPM in Paddy; Dr. Fakeerappa Arabhanvi (SMS, Agrometeorology) had given a lecture on Importance of Automatic Weather Station and Kum. Mamatha Madli (Agromet Observer) had explained about the weed management in Paddy.



## ICAR - KVK MANDYA

### Field day on demonstration of new paddy variety MSN-99

A field day on “Demonstration of new paddy variety MSN-99” was organized by ICAR-Krishi Vigyan Kendra, V.C. Farm, Mandya at Goravale village of Mandya Taluk on 24.11.2021. Dr. Shadakshari, Y.G., Director of Research, University of Agricultural Sciences, Bangalore inaugurated the programme and enlightened the farmers about the varieties released from the University and best varieties can be reproduced and utilized as seed by farmers themselves except for the hybrid varieties. Dr. Shivakumar, N., Professor, ZARS, V.C. Farm, Mandya described the salient features of variety and management of nutrients and pest and diseases occurring during crop growth. Subsequently Dr. Devakumar, N., Director of Extension, University of Agricultural Sciences, Bangalore in his presidential remarks urged the



farmers to adopt the improved technologies and always have integrated approach to attain sustainability with respect to yield and maximum net profit. During the programme Dr. Venkatesh, Associate Director of Research, ZARS, V.C. Farm, Mandya, Dr. Raghupathi, Associate Director of Extension, ZARS, V.C. Farm, Dr. Ramachandra, C., Extension Leader, Extension Education Unit, Nagenahalli, Dr. Naresh, N.T., Senior Scientist and Head, ICAR-Krishi Vigyan Kendra, Dr. Kamalabai Koodagi, Scientist (Home Science), Dr. Roopashree, D.H., Scientist (Agronomy), Dr. Atheefa Munawery, Scientist (Soil Science), Dr. Pavithra, S., Scientist (Plant Protection), Dr. Mahesh, Training Assistant were present and had interaction with the total 103 farmers who gathered during the programme.

### ICAR - KVK HAVERI

#### Field day on demonstration of nutrient management in maize

Based on soil test and application of fertilizers based on its fertility level for increasing crop yields" said by Dr. Ashoka, P., Senior Scientist and Head, Krishi Vigyan Kendra, Hanumanmatti, Haveri district during an occasion of Field Day celebration on nutrient management in maize at DFI village Chuodayyanapura, Haveri district when the crop was at maturity stage in *Kharif-2021*. Demonstration of foliar nutrients, mainly zinc and boron, by dissolving 2.5 grams per litre was also highlighted. The



demonstration of water soluble fertilizer 19:19:19 @ 10 g/ L was also shown better performance besides micronutrients with higher cob yield. KVK Soil Scientist of Dr. Rajakumar, G.R., said to the farmer that supply of 25 per cent additional dose of recommended fertilizer will enhance the yield when the soil is deficient in a particular nutrient. In addition, the spraying of micronutrient fertilizers and water soluble NPK was also stressed for application. Farmer Channappa Anishatter said that the adequate management of nutrients in the maize crop would give 15 to 25 per cent higher yields as compared to their method where soil testing and foliar application of nutrients were not done. During the programme, 20 farmers of the village were participated.

### ICAR - KVK UTTARA KANNADA

#### Field day on "Assessment of new red rice variety for Uttara Kannada district"

Four red rice varieties viz., Sahyadri Panchamukh, Sahyadri Megha, Jyoti Biliya and Sahyadri Kempumukhi are being assessed through OFT during Kharif 2021-22 at KVK Instructional Farm and farmer field in Sirsi and Siddapur talukas. In this connection a field day on Evaluation of Red Rice Varieties is organized at KVK Instructional Farm on 18.11.2021. Dr. P.L. Patil, Director of Research, UAS, Dharwad inaugurated the event and elaborated on nutritional and medicinal importance of red rice



varieties. Dr. Balachandra Naik, Director of Extension, UAS, Dharwad presided over the function and emphasized on marketing opportunities of red rice. Dr. Shreepad Kulkarni, Nodal Officer for KVKs, Directorate of Extension, UAS, Dharwad participated as Chief Guest and encouraged the farmers to form FPO for better marketing of the agriculture produce. Dr. Channabasappa, Dean, COF Sirsi, Dr. Basavakumar, Chief Scientific Officer and Professor of Fisheries Dr. Rudra Naik, Deputy Director of Research and Professor of GPB, Directorate of Research, UASD, Sri. Nataraj, Deputy Director, Dept of Agriculture, Sirsi were present as Chief Guests. Dr. Manju, M.J., Sr. Scientist and Head, KVK, UK, Sirsi welcomed the guests and Dr. Roopa S Patil delivered vote of thanks. Dr. Shivashenkaramurthy, M., Scientist (Agronomy) explained the important characteristics of red rice varieties under assessment and their suitability to the district. Dr. Surendra, Professor in GPB briefed about the traditional varieties and motivated the farmers to adopt paddy seed production. Nearly 130 farmers participated in the field day; farmers visited the plots and gained information about the new varieties.

### ICAR - KVK VIJAYAPURA-II

#### Field Day on Hybrid Napier (Co5) fodder on the occasion of National Milk Day

On the occasion of National Milk Day field day on Hybrid Napier (Co-5) Fodder was organized



on 26.11.2021 at DFI village Manankalgi of Chadachan Taluk. Dr. Balachandra Naik, Director of Extension, UAS, Dharwad inaugurated the field day and spoke about the importance of green fodder (Multicut) for sustaining the animal husbandry activities and also requested the farmers to cultivate the different variety of fodder like Co-5, CoFs-31, Lucerne etc., for the benefit of livestock. Dr. Sripad Kulkarni, Nodal Officer (KVK), Directorate of Extension, UAS, Dharwad being chief guest promoted the farmers to promote nutritious fodder to enhance milk productivity. Further, he inspired the farmers on narrating the success story of AMUL, Gujarat and requested farmers to initiate small scale dairy cooperatives. Later, Dr. Santosh Shinde, Scientist (Animal Science), KVK, Indi explained about the cultivation practices of hybrid Napier (Co-5) and harvesting protocol for maximum yield. Further, participating farmers were taken to the Co-5 fodder plot for demonstration and few of the farmers were supplied with the stem cuttings of Co-5. Dr. R.B. Negalur, Senior Scientist and Head, KVK Indi highlighted about formation of FPO. In this programme around 35 farmers benefitted.

### ICAR - KVK YADGIR

#### Celebration of Field Day on DSR (Direct Seeded Rice)

ICAR-KVK, Kawadimatti (Yadgir) in collaboration with Department of Agriculture organized Field



day programme on Direct Seeded Rice Method at Koratagere Village of Yadgir district on 19<sup>th</sup> November, 2021. Smt. Shwetha ADA, Yadgir explained about advantages and profitability and effective utilization of water. Dr. Amaresh, Y.S, Senior Scientist and Head explained and interacted with farmers and farm women. Mr. Guruprasad, H., Mr. Satishkumar Kale Scientists of KVK, Yadgir gave the importance of DSR over transplanting rice. Mr. Mallikarjuna, Agriculture Officer was also present in the event. Total 70 farmers were benefited from field day programme.

## ICAR - KVK PATHANAMTHITTA

### ICAR - KVK, Pathanamthitta Opens Up Entrepreneur Support Centre (Esc) At KVK Campus

Krishi Vigyan Kendra, Pathanamthitta opens up Entrepreneur Support Centre (ESC), KVK's third marketing outlet and a unique nutritive hub for small entrepreneurs that ensures delivery of nutritious, healthy and wholesome products to its customers. The centre is initiated as part of the project "Attracting and Retaining Youth in Agriculture" (ARYA) of Govt. of India. The ESC was inaugurated by His Grace Rt. Rev. Thomas Mar Timotheos Episcopa, Chairman, ICAR-KVK, Pathanam-thitta on 19<sup>th</sup> Nov. 2021. Capacity development programmes are organized for entrepreneurs in the areas of product manufacturing, packaging, labelling, branding and registration. Entrepreneurs registered with

ESC only shall be allowed to sell their produce. It is also ensured that every produce brought to ESC are produced by the entrepreneur himself following Good Manufacturing Practices (GMP). Registered entrepreneurs are also issued Identity Card by KVK, which ensures quality in marketed products.



## ICAR - KVK KOZHIKODE

### Weekly Market for Ornamental fish Sales Inaugurated

Weekly market for ornamental fishes was inaugurated at ICAR-Krishi Vigyan Kendra, IISR Peruvannamuzhi Kozhikode by Sri. K. Sunil, President Chakittaparagrama Panchyath. A society consisting of small and marginal ornamental fish farmers was formed by KVK during the COVID crisis period to support the farmers in this sector. The Kendra has opened up its marketing facility at Peruvannamuzhi to the newly formed society FRANK (Fish Rearers Association North Kozhikode) for sales of their produce. The weekly market scheduled on every Tuesday at KVK will facilitate direct purchase of fishes from FRANK members on a discount rate. FRANK constitutes of more than hundred ornamental fish farmers mostly KVK trainees residing within 40 km area of KVK, engaged in backyard ornamental fish culture. The inauguration of the society and its general body was also held at KVK on 20<sup>th</sup> November 2021. Dr. P. Ratha Krishnan, Head KVK Presided

over the programme, Sri. Mohammed Riyas, A., DDM, NABARD, Malappuram, Dr. B. Pradeep, SMS Fisheries KVK, Sri. Suresh Babu, President, FRANK, Sri. Sarith Babu, Secretary, FRANK spoke during the function.



## ICAR - KVK WAYANAD

### ICAR - KVK Wayanad - Maiden visit of ATARI Director, Zone XI

ATARI Director, Dr. V. Venkatasubramanian visited ICAR–KVK Wayanad for the first time. As per the scheduled programme, the first visit was to the Padinjarathara FLD plot where drone technology for spraying micronutrient mix ‘sampoorna’ in rice was demonstrated. Director inaugurated the aerial spray using drone and interacted with the farmers where they expressed their gratitude to the KVK. The Director also visited the banana plot of Sri. Pili, O.A., where FLD on Integrated Pest Management of pseudo stem weevil was carried out. The field was very well managed by the farmer which impressed ATARI Director.





**Dr. Girish, R.**

Scientist (Plant Protection), KVK, Mudigere, Chikkamagaluru Dist.  
 Awarded Best Extension Scientist for 2020 during 9th foundation day of KSNUAHS, Shivamogga

**BEST FARMER AWARD AT KRISHIMELA BY KSNUAHS, SHIVAMOGGA**



**Mrs. Vanashree**, Bankal, Mudigere taluk - Integrated farming system in plantation  
**Mr. Kumar Swamy**, Kunnalu village, Kadur taluk - Organic farming in Dry land Agriculture

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