



KVK TIMES

A window to KVK's of ICAR-ATARI, Zone-XI, Bengaluru



ICAR-Agricultural Technology Application Research Institute
Zone-XI, Bengaluru
University of Agricultural Sciences, Dharwad
ICAR-Krishi Vigyan Kendra, Bagalkote



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Volume 02 Issue 02, 16-31st July 2023



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With the guidance of
ICAR-ATARI, Zone-XI, Bengaluru





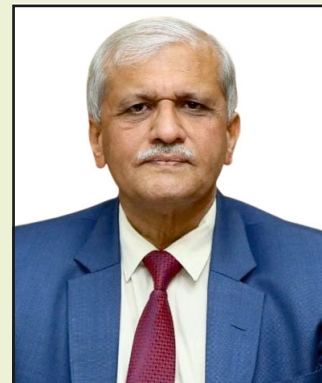
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FOREWORD



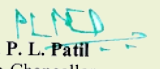
I am happy to note that ATARI, Bengaluru Zone XI is publishing KVK-Times, an Online, fortnightly magazine, highlighting the activities carried out by various KVKs in Karnataka, Kerala and Lakshadweep. It is a new approach of transfer of technologies started recently by ICAR-ATARI-Zone XI, Bengaluru to help farmers of its jurisdiction and converging the ideas of many KVKs into a single platform. I am pleased to note that ICAR-KVK Bagalkote has been given the responsibility of publishing this 2nd issue of volume 02 during second fortnight of July 2023.

ICAR-KVK, Bagalkote established during 2005, working under the jurisdiction of University of Agricultural Sciences, Dharwad is involved in disseminating technologies on popularization of varieties of crops like groundnut, chickpea, pigeonpea, greengram, sorghum, millets, onion and drumstick. KVK is promoting integrated farming system and established many demonstration units including dairy, poultry, goatery units which are functioning in symbiosis with each other and serving as teaching tool to farmers who visit the KVK.

Sugarcane being the ODOP crop of the district, KVK is promoting newly released Sugarcane varieties. Nutrient management, green manuring crops, root grub management through bio-pesticide and *in situ* vermicomposting are the other interventions. KVK is promoting eco-friendly technologies by producing vermicompost, vermiwash, earth worms and bio-agents and supplying them to farmers of the district. *Trichodema harzianum*, *Pseudomonas fluorescens* and *Metarhizium anisopliae* are being produced in bio-control laboratory established in KVK. Soil health cards are being distributed to all the farmers who visit KVK for soil and water testing.

Recognizing its good work and rapport with the farming community, KVK Bagalkote has been awarded with “**Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar (Zonal)-2019**” for its dedicated efforts in serving the farming community of the region. I congratulate and compliment all the KVK staff, Directorate of Extension and ATARI-Bengaluru for their sustained guidance and cooperation in achieving the goals set by the KVK.

I am happy that the KVK Bagalkote has been given the responsibility to publish the present issue of “KVK Times” and doing it in a befitting manner. I wish them all the best and hope this KVK will reach newer heights in the coming days.


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MESSAGE

In agriculture sector, extension plays a pivotal role in transferring new technologies from lab to land. Krishi Vigyan Kendras are one of such institutes mainly involved in technology transfer through Trainings, FLD and OFT programmes. KVK, Bagalkote is involved in disseminating technologies and contributed immensely for the welfare of farmers of district. Popularization of varieties in pulse crops like greengram (DGGV-2), redgram (TS-3R) and bengalgram (BGD-111-1) and horticulture crops like onion (Arka Kalyan) and drumstick (Bhagya) have been big success and they have covered larger area in farmer's field.

Sugarcane being the crop of the district, KVK is promoting newly released varieties along with improved practices like, nutrient management, green manuring crops, root grub management through bio-pesticide (*Metarhizium anisopliae*) and *in situ* vermicomposting. Organic Jaggery is being promoted as a part of ODOP programme. Soil health cards are being distributed to all the farmers who visit KVK for soil and water testing.

The unique approach of bringing out KVK Times online edition by ATARI Zone-XI for documentation of KVK activities is a model for other systems working under Directorate of Extension. The efforts of ATARI, Bengaluru which regularly brings out a newsletter entitled "KVK Times" highlighting the myriad activities of KVKs coming under the jurisdiction of Zone XI is laudable. I congratulate Dr. D. N. Kambrekar, Senior Scientist and Head, KVK, Bagalkote and his team for presenting comprehensive activities of KVK Bagalkote.

Director of Extension
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ICAR-Agricultural Technology Application Research Institute, Zone XI

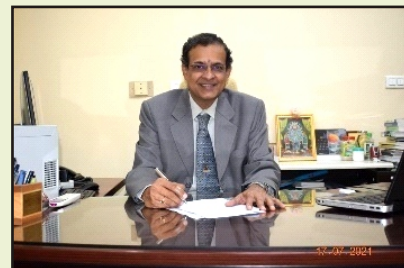
भा.कृ.अनु.प.- कृषतिकनीकीअनुप्रयोगअनुसंधानसंस्थान, जोन XI

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Dr. V. Venkatasubramanian

डॉ। वी। वेंकटसुब्रमण्यन

Director

नदिशक

Krishi Vigyan Kendras are playing pivotal role in hand holding of farmers through technological back stopping for enhancing the productivity of crops and enterprise keeping in mind profitability and sustainability. 'Believing through seeing' and 'Learning by doing' is most appropriate to the KVKs, as the Scientists and farmers are jointly involved in implementing KVK mandated activities to reach the mission of enhancing the farmers income. KVKs are expanding the horizon from elite extension to innovation, market linkage, FPOs, processing and value addition. 48 KVK's in Zone XI of ATARI placed in states of Kerala, Karnataka and Lakshadweep Union Territory has immensely contributed in enhancing agriculture productivity and farmer income thus ensuring sustainable social and livelihood security of farm families.

A first of its kind virtual platform, **KVK TIMES** which documents fortnightly activities of each of the 48 KVKs of Zone-XI is gaining a real momentum. The news items covered in issues made an impact that is long lasting. Most of the news items published in the TIMES has got the potential of cross learning among KVKs and worth reading. This should boost the morale of all of us and many such noteworthy efforts of our fraternity in the zone.

I am happy that KVK Bagalkote is bringing up the 2nd issue of second volume of KVK TIMES covering the second fortnight of July 2023. I congratulate the KVK fraternity of Zone XI specially Dr. D. N. Kambrekar, Senior Scientist and Head and his team of KVK Bagalkote for bringing out this unique edition of KVK Times.

V Venkatasubramanian
Director, ATARI Zone XI Bengaluru



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ACKNOWLEDGEMENT

I profusely thank ATARI, Bengaluru for giving us the unique opportunity to compile and edit the 2nd issue of KVK Times.

I take this opportunity to express heartfelt gratitude to Honourable Vice Chancellor, Dr. P .L. Patil, University of Agricultural Sciences, Dharwad, for his constant support for KVK to work for enhancing the income of farming community by disseminating appropriate technologies at right place in time in agriculture and allied sectors. I would like to extend my sincere gratitude to Dr. S. S. Angadi, Director of Extension, UAS, Dharwad for his guidance and inspiration to carry out the assigned work with perfection. Our special thanks go to Dr. R. B. Belli, Associate Director of Extension, RARS, Vijayapur, for his continuous guidance and support I extend my sincere gratitude to Dr. Shripad Kulakrni, Professor and Nodal Officer of KVKs, UAS, Dharwad for his timely guidance and continuous support. It is my immense pleasure to express my sincere gratitude to all KVKs in Zone XI for the quick response and sharing of their activities for KVK Times in stipulated time.

I wholeheartedly thankful to Dr. Venkatasubramanian, Director of ATARI, Bengaluru, for his immense advices and support in shaping up this edition of “**KVK TIMES**” which is a fortnightly publication to document the important activities and events of 48 KVK's of the zone XI during the period.

I also extend my heartfelt thanks to Dr. Chandre Gowda MJ, Principal Scientist (Agriculture Extension), Nodal Officer ICAR-ATARI, Bengaluru for their constant support and guidance.

I sincerely acknowledge the whole Zone-XI KVK family members for sharing their achievements in time to bring out this news letter.

I whole heartedly thank my ICAR-KVK, Bagalkote team for their involvement in bringing out this issue effectively.

Dr. D. N. Kambrekar
Senior Scientist and Head
ICAR-KVK, Bagalkote





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ICAR-KVK-Alappuzha

Management of bacterial wilt in Brinjal through grafted seedlings

Brinjal is a major solanaceous vegetable grown in the northern part of Alappuzha district, but bacterial wilt is a serious menace faced by the farmers. Hence in order to introduce a high yielding bacterial wilt resistant variety, a frontline demonstration was proposed with IIHR brinjal hybrid Arka Anand. This is a light green long variety having more market value also in the region. Seedling raised



from the seeds procured from IIHR would be grafted on bacterial wilt resistant Devil's fig, *Solanum torvum* for planting. As part of this intervention, a training programme was conducted at Maruthorvattom, Thaneermukkam Panchayath on 21.07.23 to create awareness among the farmers and to select partner farmers for the demonstration, with the support of the Grama Panchayath and Krishi Bhavan. The training programme was inaugurated by Sri. Sajikumar, Panchayath ward member. Smt. G. Lekha, SMS, Plant Pathology explained the management of

bacterial wilt disease using resistant varieties to about 30 vegetable farmers participated in the programme with great enthusiasm.

WaLCoPPT-An innovative programme of technology outreach to coconut farmers

In order to bring back the glory of coconut farming to the extent possible, a Comprehensive Coconut Rejuvenation Campaign (CoCoReCa) is planned and implemented by KVK-Alappuzha in Muhamma and Thanneermukkom Panchayaths which include (1) Ward Level Coconut Plant Protection Training (WaLCoPPT) (2) Participatory production of good quality seedlings (3) Demonstration on Integrated Management of Coconut (4) Farmer Field School on Juvenile Coconut Management and (5) Value addition of coconut for higher returns.

Preliminary interactions with farmers revealed the lack of knowledge in proper identification of different pests' symptoms, skill in application of the management packages on palm, understanding in differentiating pests and diseases symptoms, and awareness on botanical and chemical pesticides, indicating the high priority required in pest management. In order to address this man-pest conflict over coconut palm, the innovative programme WaLCoPPT was initiated as part of the campaign for reaching out with technology to every nook and corner of the panchayath. WaLCoPPT includes customized trainings on plant protection, mini exhibition, demonstration of technology application, and diagnostic field visits. The programme with genuine partnership from the Panchayath, Krishi Bhavan and farmer groups was inaugurated on 20.07.23 in a function at Ward-13 by Mrs. Swapna Shabu, President, Muhamma Grama Panchayath. Mr.N.T.Reji, Vice-President, and Dr.P.Muralidharan, Head, KVK, Smt. Krishna, Agrl. Officer, Peoples' representatives, extension officials, and farmer leaders attended the function. Dr. T. Sivakumar (SMS, KVK) handled the training programme followed. Another such training programme was organized in Ward-1 on 25.07.23 with active farmer participation.



ICAR-KVK-Bagalkote

Programme of visit of His Excellency The Governor of Karnataka Mr. Thawar Chand Gehlot and Dr. Udam Singh Gautam, Deputy Director General (Agriculture Extension), ICAR New, Delhi to KVK Bagalkote on 01.07.2023

For the first time, His Excellency The Governor of Karnataka Mr. Thawar Chand Gehlot, Dr. Udam Singh Gautam, Deputy Director General (Agriculture Extension), ICAR New, Delhi, visited KVK Bagalkote along with Dr. Venkatasubramanian, Director (ATARI), Bangalore, Honorable Vice Chancellor Dr. P. L. Patil, UAS, Dharwad, Honorable Vice Chancellor Dr. Indiresk K M, UHS, Bagalkote, Dr. A. S. Vastrad, Director of Extension, UAS, Dharwad, Dr. T. B. Alolli, Registrar, UHS, Bagalkote, Dr. R. B. Belli, ADE, RARS, Vijayapura, Dr. Shripad Kulkarni, Nodal Officer (KVKs), UAS, Dharwad and other dignitaries on 01.07.2023 They appreciated the achievements of the Krishi Vigyan Kendra. His Excellency The Governor of Karnataka Mr. Thawar Chand Gehlot along with Dr. Udam Singh Gautam planted trees, released fingerlings in fish pond assisted by Dr. Venkanna Balaganur, Scientists (Animal Science) at KVK premises and inaugurated the newly built Selfie Point depicting the specialty of Bagalkote district, new seed processing unit (seed hub) assisted by Dr. Dinesh Kumar S P, Scientist (Agronomy), oil extraction machine, vacuum packaging machine and vegetable special assisted by Dr. Akkamahadevi Agasimani, Scientist (Horticulture). He visited KVK instructional farm and seed production plots of Greengram (DGGV-2) and Soybean (JS-335) assisted by Dr. Siddappa C. Angadi, Senior Technical Officer (Soil Science) and provided valuable suggestions. He also released bio-pesticide *Beauveria bassiana* at bio-control laboratory assisted by Dr. Sudha S, Scientist (Plant Protection) at KVK Bagalkote.

His Excellency The Governor of Karnataka Mr. Thawar Chand Gehlot, released folders on onion twisting disease, fall army worm management in maize, rootgrub management in sugarcane, pink boll worm management in cotton and KVK at a glance and also distributed soil health cards to the farmers. He addressed the farmers of Bagalkote district about getting higher yields and income by following good agricultural and horticultural practices. He also briefed about the importance and role of Krishi Vigyan Kendras in the prosperity of the farmers. He also discussed with trained and regularly visiting farmer Mr. Chidanand Nagaral, progressive farmer, Anadinni village, Bilagi Tq. about his progress and income generation activities etc. Honorable Vice Chancellor Dr. P. L. Patil, UAS, Dharwad expressed his gratitude to His Excellency The Governor of Karnataka Mr. Thawar Chand Gehlot for visiting KVK Bagalkote. The programme was witnessed by Smt. K. M. Janaki (IAS), District Commissioner, Bagalkote District, Shri Jayaprakash (IPS) Superintendent of Police, Bagalkote District. The programme was anchored by Dr. D. N. Kambrekar, Senior Scientist and Head, KVK Bagalkote and briefed about the progress of the KVK and explained about the ongoing activities of KVK and thanked the staff of district administration, police department. More than 50 farmers were



Celebration of 95th ICAR foundation and Technology day from 16.07.2023 to 18.07.2023 by ICAR KVK Bagalkote:

ICAR KVK Bagalkote celebrated 95th ICAR foundation day from 16.07.2023 to 18.07.2023 by making arrangements for live webcast from New Delhi at KVK training hall to farmers. Dr. D. N. Kambrekar, Senior Scientist and Head, KVK Bagalkote explained about importance of millets in daily diet, organic botanicals, bio agents to the trainees. Dr. Siddappa C Angadi, Sr. Technical officer, briefed about the importance of soil testing, soil health card, soil test based applications of fertilizers and also visited demonstration blocks of KVK. Dr. Akkamahadevi Agasimani, Scientist (Horticulture) briefed regarding the importance of vegetable special preparation techniques in horticulture crops and production technologies. Dr. Sudha S, Scientist (Plant Protection) briefed about the importance of different bio agents like *Metarhizium*, *Rhizobium*, Dr. Venkanna Balaganur, Scientist (Animal Science) explained about the fodder crops, technologies in clean milk production. Mr. Basavaraj Naglikar, SMS, Agrometrology explained about Objectives of GKMS project, details about DAMU and Weather based Agro-advisories. Also explained importance of automated weather station in agriculture and weather related mobile applications like meghdhoot, Damini and Mausam. About 90 farmers participated in the programme.



Farmer's Filed School on Sugarcane at Bargi and Kulali village:

Farmer's Filed School on Sugarcane was conducted by Dr. S. C. Angadi, Sr. Technical Officer (Soil Science) along with Dr. Venkanna Balaganur, Scientist (Animal Science). Information on land preparation, planting methods and importance of seed treatment for pest and disease management was given to farmers. A total no. of 25 framers participated in the programme at Kulali village of Mudhol taluk and there was discussion with innovative farmers on 21.07.2023



Method Demonstration on Drone application

Method Demonstration on Drone application was demonstrated at KVK Bagalkote farm in Greengram and Soyabean fields for insect pest management on 22.07.2023. A total of 20 members participated in the programme.



Live Telecast programme of release of 14th instalment of PM KISAN

Live Telecast programme of release of 14th instalment of PM KISAN was organized by KVK Bagalkote on the occasion of live webcast of release of 14th Installment of PM Kisan Nidhi in collaboration with fertilizer company at KVK Bagalkote. A total no. of 50 farmers participated in the programme on 27.07.2023.



CFLD Redgram Seed Distribution Programme

CFLD Redgram Seed Distribution Programme was conducted at Kodihal village of Ilkal taluk by Dr. S. C. Angadi, Sr. Technical officer (Soil Science). Method demonstration on seed treatment was also conducted in pigeonpea on 31.07.2023. Mr. Basavaraj Naglikar, SMS (Agro metrology) gave information on the weather forecast of the Bagalkote district and precautions measures to be taken while sowing of the crop. He also gave information on weather based agriculture for the major Kharif crops of the Bagalkote district.



ICAR-KVK-Ballari

Scientists of ICAR-KVK Ballari interacted with farmers

On July 31, 2023, scientists of ICAR-KVK Ballari and officials of KSDA visited Raita Samparka Kendra in Moka to interact with farmers and offer advice as



the monsoon season officially began last week in the Ballari district. Raita Samparka Kendra Moka consists of eight villages where in pigeon pea, maize, jowar, chilli, paddy are the major crops.



Scientists discussed technology available at the university that are suited to the demands of the Ballari farmers during an interaction programme with the farmers. The experts discussed the ideal pigeon pea types, such as TS-3R and GRG-811, as well as the method of crop cultivation (dibbling), seed treatment with trichoderma and rhizobium, as well as the quality and quantity of fertilizer application. The advantages of growing rice using the Direct Seeded Rice method were also explained to the farmers. A total of fifty farmers took part in the interactive session.

ICAR-KVK-Belagavi-1

KVK-Belagavi-1 actively participated in Directors Meeting of Dealers and Farmers Producer Organization

ICAR BIRDS Krishi Vigyan Kendra Belagavi-1 Scientist attended the Farmers Producer Organization and Directors meet at Gokak Resort on 21-07-2023. Programme attended by Mr. M. N. Malawadi Scientist (Agronomy). Dealers and Farmers Producer Organization and Directors Meeting which was organized by Trust Grow fertilizers India Private Ltd. Bengaluru. The programme was chaired by Shri. Sadanada Singegola president of Basaveshwar PKPS Bank Mamadapur. He stressed the points on efficiently and timely utilization of major, secondary and micronutrients on Agricultural and Horticultural crops for achieving the goal of doubling of farmer's income. KVK Scientist Mr. M. N. Malawadi was engaged in guest lecturer on modern production technologies in Sugarcane cultivation practices and, he provided the information on potential varieties in sugarcane crops in Belagavi District.

Chief Guest Mr. Sharath Chendra CEO of Natu Pro and Trust Grow Fertilizers they briefed about company products and its uses in cultivation of crops. They discussed about planning and implementation of demonstration with all district line department along KVK in an integrated manner. He also gave more emphasis on Integrated Farming System (IFS) and need to create awareness to farming community about IFS. They observed some of video clipping on impact of Integrated Nutrient Management for reduction of cost and more economical benefits to farming community. Dr. Prabhakar G.B shared his points on already Belagavi has significant achievement in production and productivity in field crops, but income of the farmers may not be the more or doubled. Now we must concentrate modified farming practices and need to be providing area specific technologies and Integrated Crop Management on commodities in hobli-wise in integrated manner with all line departments including KVK. In house discussion all were shared their experiences and concluded for preparation of pre action plan for next meeting. All **Dealers and Farmers Producer Organization Directors were presented in the programme**



ICAR-KLE KVK, MATTIKOPP (BELAGAVI-II)

Scientist-Farmers Interface Meeting

On the eve of 76th Birthday Celebration of Dr. Prabhakar B. Kore, Honble Chairman, KLE Society, Belagavi, an interface meeting on Farmers-Scientist was organized by ICAR-KLE KVK, Mattikopp at Shivalaya, Ankali on 31 July 2023.

The interface meeting was inaugurated by Shri B.R. Patil, Chairman, KVK, Mattikopp and said that, this year entire North Karnataka witnessed deficit rainfall during early *khari* and hence the sugarcane crop is suffering from moisture stress. In light of this, an interface meeting of farmers and scientists is organized to mitigate the problem of less rainfall in the district.



Millet Recipe Competition for Women

ICAR- KLE KVK, Mattikopp organized a 'Millet Recipe Competition for Women' on 31.07.2023 at Ankali village. The programme was inaugurated by Dr. P. L. Patil, Hon'ble, Vice Chancellor, UAS, Dharwad. During the inaugural address, he expressed that millets were the major food grains used in the daily diet of our ancestors as they are rich in nutrients and bear clinical properties. But the modern diet system lack these millets and people are facing the risk of various health problems and due to non use of millets in daily dishes, the area under these millet is considerably declined. Therefore, there is an urgent need to popularize various recipes that can be made from millets with a focus to enhance its consumption among youths which can lead to social health. He stressed the women audience to enhance use of millets in their food with tasty recipes and this will cause for sustainability of millet production in the village.

During his Presidential remarks, Shri B. R. Patil, Chairman, KVK, Mattikopp said that, on the eve of International Year of Millets, KVK is focusing on promotion of cultivation of millets among farming community and organizing awareness programmes on importance of millets in the food and its benefit on human health. Dr. Sarojani J. Karakannavar, Dean (Student Welfare) & Professor, UAS, Dharwad presented different recipes that can be made out of millets using standard procedures released by the University. Mrs. Sridevi Angadi, Senior Scientist & Head, KLEKVK, Mattikopp during her opening remarks, briefed the advantages of millet usage and said that the millet recipe competition for women is organized to promote the millets usage in break-fast, meals and snacks. During the competition, more than 100 women participated and exhibited their millet recipes and rangoli competition was also arranged on the occasion. S.M. Warad, Scientist (Soil Science) welcomed the gathering and Dr.S.S. Hiremath, Scientist (Plant Protection) extended vote of thanks. Around 1200 women and students participated in the event.



ICAR-KVK, Bengaluru Rural

A Brief report of Hon'ble Prime Minister Kisan Samman Nidhi web telecast programme

ICAR-KrishiVigyan Kendra, Bengaluru Rural District organized live telecast of Release of 14th installment of PM Kisan Scheme on 27.07.2023. Dr. Hanumantharaya, B.G., Senior Scientist & Head, ICAR – KrishiVigyan Kendra, Bengaluru Rural District inaugurated the programme and briefed about the PM Kisan Samman Nidhi programme. During the programme farmers watched Hon'ble Prime Minister's programmes viz., Laying of foundation and inauguration of Medical Colleges, Ekalavya Residential Schools and Kendriya Vidyalaya, dedication to the nation of 1,25,000 PM Kisan Samridhhi Kendras, launch of Sulphur coated urea, Onboarding of 1500 FPOs on ONDC and Release of 14th installment of PM KISAN scheme were telecasted at ICAR-KVK, Hadonahalli.



ICAR-KVK-Bidar

Crop management practices for climate resilient situation

On the eve of PM Kisan Sammelan, Live telecast from Shikar, Rajasthan was organized at ICAR-KVK Bidar on 27-07-2023. There were 158 Farmers & Farm Women have witnessed the event. During, this gathering the capacity building programme on crop management with respect to the climate resilient was conducted. The suitable crops and their varieties, different cropping pattern, alteration of date of sowing, seed dressing and treatment, IPM & IDM practices for field crops and horticulture crops were discussed. The officials of KSDA Bidar have urged for the registration of farmers for Crop Insurance to the notified crops. In the post lunch session, interaction between Farmers, KVK Scientists and KSDA Officials was organized. As, Many farmers were facing the Snail menace to their recently sown crops, the detailed management information was explained. At Last, the videos on management of Millipedes & Snails developed by KVK was shown to farmers and farm women. Finally the participants visited all the demonstration and production units at KVK Bidar farm



Joining hands to expand greenary

In order to increase the area under tree coverage, KVK Bidar has been putting efforts individually and collaboratively. This time it has joined hands to the different organizations like Rotary club, Nandikaa Active Social Organization, Bidar working for afforestation in the city on 27-07-2023 at Manige Layout Bidar on Tree plantation programme. In this programme Dr. Sunilkumar N M, Senior Scientist & Head, KVK Bidar has thrown light on importance of tree diversity, management of planted tree and care to be taken by the citizens to the samplings planted by the public or private organization. Dr. Kapil Patil, Chairman, Rotary club Bidar urged the gathering to safeguard the nature by planting the trees atleast one for a household. The programme was presided by Sri. Veershetty Manige, President of Real Estate Developers Association, Bidar

ICAR-KVK-Chamarajanagar

Animal Health Camp

KVK sponsored Animal health camp was organized and conducted on 21.07.2023 at NICRA village, Putthanapura, Gundlupete taluk in collaboration with Department of Animal Health and Veterinary Services. The programme was witnessed by the treatment of over 200 dairy cattle of the villagers, aided by a team of veterinary doctors namely Dr. H Gurumurthy, Chief Veterinary Officer, Dr. Krishnamurthy, Veterinary Inspector and KVK scientists Dr. Shruthi, M. K. (Agronomy), Rajath, H. P. (SMS, DAMU) and Baavasagar (SRF). In the programme, 50 farmers participated in the camp and were given awareness about the balanced feed for better animal nutrition, pest and disease management for better health of animals and clean milk production. KVK scientists provided information on adoption of improved fodder crops and varieties/hybrids for year round availability of fodder emphasizing much on the agronomic practices to be followed for increasing fodder yield and improving fodder quality. Also, the silage preparation for fodder storage to use during lean period was highlighted. The animals were treated for managing ecto and endo parasites, FMD, lumpy skin disease, mastitis, black quarter and mineral mixture was provided to each farmer for maintaining animal nutrition. Totally, 50 farmers participated in the camp and 7 persons from Veterinary department and 3 from KVK.



ICAR-KVK, Chikkaballapura

ICAR-KVK, Chikkaballapura organized a on campus training programme on natural farming on 24.7.2023. Dr. Tanweer Ahmed Scientist (Agricultural Extension) explained about the importance of natural farming, principles of natural farming. Mr. Vishwanath explained about preparation of liquid organic manures. Participants were taken to natural farming domo plot at KVK farm.

On campus training on importance of nutri garden and its management was organized at ICAR-KVK, Chintamani on 27.7.2023. Dr. Akshata Ramannanavar, Scientist (Home Science) explained about the nutri garden, selection of crops and layout of nutri garden. Mr. Vishwanath, Scientist (Agronomy) explained about nutrient management in nutri garden. 44 farmers participated in the programme.



Training on Natural Farming



Training on Nutrigarden and its management

ICAR-KVK, Chikkamagaluru

Implementation of Front-Line demonstration on Soybean (DSB-34) variety as alternate crop to Onion

I.C.A.R-Krishi Vigyan Kendra, Chikkamagaluru implemented Front Line Demonstration on Soybean (DSB-34) as alternate crop to onion.

Dr. A.T. Krishnamurthy, Senior Scientist and Head, KVK, Chikkamagaluru, briefed that soybean crop is known as the “Golden Bean” and one of the richest and cheapest sources of protein. They are a good source of protein for diabetics and soybean oil is one of the most popular edible oils used in India and this crop can grow in a wide range of soils and encouraged the farmers to grow the soybean crop as a main crop as alternate crop to onion because soybean crop has higher value and demand in the market and also crop utilizes the soil nutrients effectively and improves the soil health.

Further, advised the farmers to adopt advanced technologies and high yielding varieties to enhance the productivity and also briefed about the extension activities conducting by the ICAR-KVK, Chikkamagaluru.

Dr. Ullasa. M.Y., Scientist (Agronomy), KVK, Chikkamagaluru said that, this DSB-34 variety is high yielding, rust disease resistant variety and can be grown in wide range of soils and it also fixes the nitrogen allows the farmers to reduce nitrogen fertilizer use and which increase the yield. Further briefed about scientific cultivation practices of soybean.



This Front-line demonstration conducted in 10 acres of 10 beneficiaries farm at Tadaga village of Ajjampura taluk

ICAR-KVK, Chitradurga

PM KISSAN live webcast

“Pradhan Mantri Kissan Sammelan” live webcast programme was organized at ICAR-KrishiVigyan Kendra, Chitradurga on 27-07-2023. The programme was inaugurated by the Chief guest, Dr. Suresh D. Ekabote, Associate Director of Research, ZAHRS, Hiriyyur Dr. S. Onkarappa, Scientist (Plant Protection), Dr. Ravi Kumar D., Scientist (Soil Science) and Dr. Mahantesh P.S, Scientist (Horticulture) by pouring water to the plant.

Dr. Suresh D. Ekabote in his inaugural speech briefed about the different schemes of government of India which is benefiting the farming community. Dr. S. Onkarappa explained the significance of the PM KISSAN live Webcast. Prime Minister Shri Narendra Modi will release 14th instalment amount of about Rs. 17,000 crores under PM-KISAN in Sikar and launch Urea Gold - Sulphur Coated Urea which it will be more economical and efficient than neem-coated urea, which is going to benefit the farmers. Dr. Ravi Kumar D., Scientist (Soil Science) narrated the speech of Prime Minister Shri Narendra Modi in local language to the participants who were present watching live webcast and clarified their doubts. Dr. Mahantesh P.S, Scientist extended vote of thanks.

Workshop on Secondary Agriculture

A one day workshop on Secondary agriculture was organized at ICAR-Krishi Vigyan Kendra, Chitradurga on 26-07-2023 in collaboration with Department of Agriculture and other line departments. Shri. B. Manjunatha, Joint Director of Agriculture, Chitradurga inaugurated the programme. During his inaugural speech he discussed about prospective of Secondary agriculture like utilization of locally available primary and by products of agriculture produce to make the processing and value addition aiming to doubling of farmer's income and also briefed about various schemes available in Agriculture Department and suggested the farmers to make use of them for making value added products.



ICAR-KVK, Dakshina Kannada

Jack Fest -2023 by ICAR-KVK, Dakshina Kannada

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in collaboration with JCI, Uppinangady and Navateja, Puttur has organized a Jackfruit fest on 09-07-2023 at Uppinangady. Honorable MLA of Puttur constituency Mr. Ashok Rai inaugurated the Jack fest. Mr. U.P. Shivanand, Director, Suddhi Media participated as a guest. Mr. Prasanth Kumar Rai, President, JCI charitable trust on his presidential highlighted that this jack fest platform helps the farmers for direct marketing of their farm produce and getting better income.

Dr. T. J. Ramesha, Senior Scientist and Head, ICAR-KVK, (DK), Mangalore participated as a chief guest highlighted about the present status and future prospectus of jackfruit cultivation. Dr. Rashmi, R., Scientist (Horticulture) participated as a resource person in technical session and delivered a lecture on advances in production technology, improved varieties and value addition of Jackfruit. In this programme. More than 25 stalls exhibited value added products, Fruit plants Nurseries and SHG members also participated in the fest. Mr. Lakshman Chennappa, progressive farmer and Fruit grower as well as progressive Nursery entrepreneurs like Mr. Lohit Shetty and Mr. Venugopal, Navneet Nursery were participated in the technical session and shared their experiences with the gathering, staff of JCI and more than 1000 people were benefitted from the programme.



ICAR- Taralabalu KVK, Davangere

1. Frontline demonstration -ICM in Foxtail millet (DhFt-109-3).

ICAR-Taralabalu KVK, Davangere implemented the frontline demonstration on ICM in Foxtail millet at kalledevarapura, Jagalur taluk in collaboration with Bidarakere Taralabalu Farmer Producer Organization. Mr. Mallikarjuna B.O., SMS (Agronomy) delivered lecture on improved production technology of foxtail millet with special reference to (DhFt-109-3) high yielding variety. DhFt-109-3 variety is high yielding and seed yield of 10-12 q/ha under late *kharif* situation with good fodder. Conducted method demonstration of the seed treatment with bio-fertilizers (Azotobacter and PSB @ of 500 g/ha of seeds). Critical inputs seeds, bio-fertilizers were provided to the ten farmers. Dr. Avinash T.G., SMS (Plant protection), Mr. Krishna murthy, Director of TAFC and progressive farmers attended the program.

2. Training on Millet production technology and value addition

Celebrated the 95th ICAR- Foundation day at ICAR – Taralabalu KVK, Davanagere. Mr. Mallikarjuna B.O SMS (Agronomy) delivered lecture on the improved production of the technology of the millets and provided the information on the value added products that can be prepared from the millets. Millet cookies were provided to the participants. An exhibition was arranged by exhibiting the different millet products and millets. Dr. Avinash T.G., SMS (Plant Protection) explained about the organic methods of controlling the pest in field crops. Dr. Devaraja T.N., SSH in his presidential remarks said that the importance of millets in the health especially for women and children, farmers should show interest in growing the millets and maintain the soil health.

The Front Line Demonstration was implemented in Kodagnuru and Nerlige villages of Davanagere. Pacu fingerlings were released to selected farmers farm ponds.

Dr. Devaraja T.N., Senior Scientist and Head provided technical information on feed to be given for fingerlings, water and pond maintenance to farmers. Further said that Pacu will achieve one kg of body weight in six months, there by its very economical to farmers to take up rearing of this breed. In the visit safe release of fingerlings to pond was demonstrated. Dr. Avinash T.G., SMS (Plant Protection) and FLD fish farmers were present during the visit.

One day training programme under National Livestock Mission was organized by National Seeds Corporation, Davanagere in collaboration with ICAR-TaralabaluKrishiVigyan Kendra, Davanagere on 21.07.2023.

136 Dairy farmers from different villages of Davanagere District were participated in the programme. During the programme information on National Livestock Mission Schemes was given by Dr. Balachandran Gowda C, Area Manager, NSC, Davanagere. Dr. G.K. Jayadevappa, SMS (Animal Science), ICAR-TaralabaluKrishiVigyan Kendra, Davanagere gave lecture on Animal Breeds Improvement and Cultivation of high yielding varieties of fodder crops for the benefit of Dairy farmers.

The Surveillance was conducted in collaboration with Department of Agriculture and Horticulture Research Extension, Kathalgere. Dr. Avinash T.G., SMS (Plant Protection) participated in the surveillance activity. Pest and disease incidence in Davanagere, Jagalur, Channagiri and Honnali Tq. was observed. Major field crops of the district are Maize, Cotton, Groundnut and Pulses.



ICAR-KVK, Dharwad

Technology Day celebration by ICAR-KVK, Dharwad

On the eve of 95th ICAR Foundation Day at New Delhi, ICAR-KVK, Dharwad has celebrated Technology Day from 16-18 July, 2023 involving farmers, farm women, rural youth and NGO members. Dr. M. S. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad enlightened the farmers about terrace gardening, growing high valued crops under protected cultivation, processing and value addition of millets and KVK technological products/inputs. Dr. Jayashree Pattar, Scientist (Animal Science) explained about CIDR technology for repeat breeding in dairy farming, leguminous and non-leguminous fodder cafeteria, low cost technologies for concentrate feed preparation, method demonstration on incubation and hatching of poultry chicks and clean milk production technologies. Dr. Airadevi P. Angadi, Scientist (Horticulture) explained about use of mango special, use of bio-pesticides and traps in horticulture crops, nutri garden establishment and maintenance, drudgery reduction and post harvest technologies for horticulture crops. About 130 farmers, farm women, rural youth and NGO members participated in the Technology Day.



Participation of KVK Scientist in ATMA Action Plan Meeting

Dr. Airadevi P. Angadi, Scientist (Horticulture), ICAR-KVK, Dharwad participated in the programme organized by ATMA, KSDA, Dharwad to discuss about the Action Plan of centrally sponsored scheme "Support to state Extension programme for Extension Reforms" under ATMA during 2023-24 on 31.07.2023. During the programme, the Scientist explained about the facilities and technologies available at KVK for the benefit of the farmers. Staff of agriculture and allied department and about 25 farmers and farm women attended the programme.

ICAR-KVK ERNAKULAM

Live webcasting of PM Kisan Samridhi centre inauguration and release of PM Kisan Samman Nidhi conducted

KVK conducted live webcasting of inauguration of PM Kisan Samridhi centres and release of 14th installment of PM Kisan Samman Nidhi on 27th July 2023 at Veliyathunad in collaboration with Veliyathunad Service Cooperative bank. The webcasting was inaugurated by Veliyathunad Service Cooperative bank President, Shri Jayarajan. Karshaka Morcha Zilla President, Shri. Manoj and Secretary, Shri. Shaju, Ward member, Shri. K S Mohankumar and other public representatives participated. IFFCO field Officer, Shri Abhin P K participated and described various products available for farmers. KVK Subject Matter Specialists, Shri Shoji Joy Edison, Dr Vikas P A and Dr K Smita Sivadasan participated and led the seminar on **Monsoon farm management practices**. The message conveyed by Hon'ble Prime minister, Shri Narendra Modi was translated to the participants. 102 farmers attended.



ICAR-KVK, GADAG

MILLET PROCESSING UNIT - Boon for Millet Growers and Entrepreneurs

In Gadag district, cultivation of Millet crops is growing exponentially comprising of Foxtail, Proso, Kodo, Little and Barnyard Millets. However, Gadag district farmers sell the produce without making any processing and value addition and thus earn very less income from Millet crops. There is huge scope for Millet Processing for these Millet cultivating farmers. In this regard, ICAR-KVK, Gadag has established Millet processing unit during 2020 funded by Indian Institute of Millet Research (IIMR), Hyderabad. This processing unit is intended to facilitate processing of millets grown by the farmers of Gadag District at affordable cost. This facility has been designed to perform complete processing chain from seed to grain. The processing operations namely cleaning, grading, sorting, dehushing and milling are being performed in the millet processing unit.

The established unit is subdivided into Seed Processing and Grain Processing units. The seed processing unit consists of pneumatic separator (aspirator type), air screen cleaner cum sorter and two destoners for primary processing of millet seeds. After primary processing of seeds, the produce is fed to millet dehushing machine where the outer husk of seeds is removed and cleaned in aspirator cleaner. Size grader is used to obtain millet grains of different grades and finally the product is cleaned in destoner. Milling machine is also established to produce flour from dehulled grains. The millet processing unit is capable of handling upto 1.20 quintal of seeds per hour.

The established millet processing unit is a boon for farmers cultivating millet crops in the district. The direct marketing of millets in the local market does not always fetch a good price and hence farmers often express reluctance about cultivating millet crops. KVK Gadag is procuring millets from the farmers at good price and marketing through its Sales Unit. Also the processed millets are being used in "Ethnic Food Cafe" restaurant established in KVK, Gadag for preparation of millet based dishes. In addition, the processing unit is also providing service to the farmers who want to process the seeds at minimal cost of operation. Local entrepreneurs and women SHGs, involved in preparation of millet based value added products are using the facility of millet processing unit for primary processing of their millets.

(Dr. Vinayaka Niranjana, SMS, Agri. Engg.)



ICAR-KVK, Hassan

National Fish Farmers' Day

ICAR-KVK, Hassan in collaboration with the Department of Fisheries at Goruru Village, Hassan taluk celebrated the National Fish Farmers' day. Dr. M. H. Nanjunadappa, Senior deputy director of fisheries, Hassan has inaugurated the programme and during his introductory remarks, he mentioned that on the eve of birth anniversary of Dr. Hiralal Choudary who is a father of fish breeding techniques, today whole nation is celebrating the National Fish Farmers' day and he also said that Dr. Hiralal Choudary is a first person to do fish fingerlings production by using fish off spring's in stimulated fish production technology so that farmers can get high yield and productivity in fish rearing. Dr. M. Shivashankar, scientist (Home science) KVK, Hassan chaired the programme and during his presidential remarks he mentioned the different fish rearing techniques for the farmers to get higher profit and also, he emphasized the importance of different fish varieties in composite and mixed fish culture technique to get higher yield and productivity in fish rearing. Dr. Puneeth, deputy secretary, Development Authority, Zilla Panchayath, Hassan has graced the occasion and he highlighted the government efforts in supporting fish farming. Mrs. Preetha, assistant director of fisheries mentioned the different fisheries programmes available for the famers in the department and also highlighted the use of Biofloc technique in Tilapia fish rearing and reuse of water in fish rearing. All the assistant directors of fisheries of Hassan district and 127 farmers across the district were participated in the programme



ICAR-KVK Hanumanamatti

Live telecast of PM Kisan Sammelana Yojana programme and Monsoon Crops Management Training Programme

ICAR-Krishi Vigya Kendra, Hanumanamatti and Department of Agriculture, Atma Yojana, Haveri jointly organized live telecast of PM Kisan Samman Yojana from Rajasthan. As a part of live telecasting, an on campus training program on the management of Monsoon crops was organized for the farmers. Mr. Manjunath Antarvalli, Joint Director of Agriculture, Department of Agriculture, Haveri, inaugurated the program and explained to the farmers about the various schemes and facilities available in the Department of Agriculture. Then the Senior Scientist and Head of the KVK Dr. Guruprasada G. S., narrated the pests in Monsoon crops like Maize, Cotton, Soybean, and other crops and their control measures.

After that, Dr. Shivamurthy D, Scientist (Agronomist) brifed the management of various crops during monsoon season. Tressed the importance of green manures for improving soil fertility, and its economic viocity compned to for organic fertilizers. Further, highlighted the integrated nutrient management to enhances fertility of the soil.

Dr. Santosh HM, Scientist (Horticulture) brifed the management of horticulture crops during the monsoon season. Then Dr. Mahesh Kadagi, Scientist (Animal Science) highlighted diseaseand livestock and thier managementgave information on diseases and management of livestock during monsoon season. Dr. Shantaveeraiah Scientist (Meteorologist) informed the importance of weather forecasting during ensuing monsoon season.

Smt. Vidya Sangannavara, Scientist (Home Science) narrated importance of nutrition in human health and importance of nutrition garden. Mr. Chandrakatha Kotabagi, Senior Technical Officer, arranged live broadcasting of PM Kisan Yojana program and briefed about use of the agricultural technology mobile app and agricultural portals to the farmers.

Mr. Suresha Chikppa Motebennur, President, Gr. Pt., Kazzari, Smt. Lalita Hemappa Parvatera, Smt. Saroja Mallikarjuna Negaluru and the staff and more than 70 farmer/farmer women were presented the occasion



ICAR-KVK Idukki

KVK Idukki conducted Plant Health Clinic in collaboration with MS Swaminathan Research Foundation

KVK Idukki conducted Plant Health Clinic in collaboration with MS Swaminathan Research Foundation during 16.07.2023 and 20.07.2023 at Thekkinkanam and Bison valley villages of Idukki district. The programme aimed a practical way of enabling plant health specialists to work closely with extension workers in offering farmers advice on how to manage all types of plant health problems. As part a total 18 fields of Small cardamom, Black Pepper, Nutmeg, Ginger and other spices were visited by KVK officials viz., Mrs. Manju Jincy Varghese, Subject Matter Specialist (Soil Science), and Ms. Preethu K Paul, SMS Agricultural Extension, Krishi Vigyan Kendra, Idukki, along with officials from MS Swaminathan Research Foundation viz., Mr. Sajeev, Scientist(Plant Breeding and Genetics), MS Swaminathan Research Foundation and Limcy, Field assitant. The specimens included the problems related with soil acidity, Nutrient deficiency in small cardamom and other spices, followed by secondary symptoms of pest and diseases. Recommendations were given to farmers as per the diagnosed symptoms. Soil test based lime and fertilizer applications were recommended to farmers. Micronutrient deficiencies were also observed where application of IISR technologies like Cardamom , Black Pepper and Nutmeg special were recommended. The farmers were also made aware on the latest technolgies, importance of maintaining soil health.



ICAR-KVK Kalaburgi-1

Twelfth Convocation and Exhibition, UAS, Raichur

University of Agricultural Sciences, Raichur conducted twelfth convocation and Exhibition on Friday, 28th July, 2023 at Auditorium, UAS, Raichur campus. Programme was presided by Hon'ble Governor of Karnataka and Chancellor of the university, Dr. Himaamshu Pathak, Secretary D.A.R.E. and Director General, ICAR, New Delhi delivered the convocation address. After the programme Hon'ble Director General inaugurated the Exhibition arranged by seven KVKs of the university at main building and wished a good luck for better growth of the university and farming community and his remarks briefed about new technologies released by the ICAR and university which helps to increase or double the farmer's income by recycling the agricultural resources at low cost farmers can get income throughout the year.

Dr. V. Venkatasubramanian, Director, ICAR-Agricultural Technology Application Research Institute (ATARI), Hebbal, Bengaluru suggested new developed technologies by the university which also can be implemented for the benefit of the farmers & guide at doorstep of the farmers and he appreciated KVK scientists are play a major role in this regard. Hon'ble Vice Chancellor Dr. M. Hanumanthappa was very much impressed with KVKs in the university and activities that are brought to notice by our KVKs for the current year in different forum or /and programs and items and activities are displayed in the exhibition.

On this occasion, the technologies released by the university and ICAR along with technological products like millets, millets baked products, biofertilizers, solar operated power sprayer, nipping machine, monkey gun, homemade products like millet cake, jam, jelly, pickles, neera, different varieties seeds of millets, IIHR products, banana fibres daily used items, stall fed goat farming model, aquarium, different varieties of pulses and cereals, GI tagged tur dal, vegetables kit, pulse and chickpea magic were showcased in the different stalls of all KVKs of the university were established stalls in the exhibition. The agriculture technologies related information in the form of specimens, charts, model, live samples were demonstrated.

In this Exhibition, Dr. S. B. Goudppa, Director of Extension, public representatives, honourable board members, ex-vice chancellors, university key officers, teaching and non-teaching staff, students, farmers were participated and also highly appreciated. Senior Scientist and Head, Dr. Raju G. Teggelli and Soil Scientist Dr. Shreenivas, BV were part of the team.



ICAR-KVK Kalaburgi-2

Diagnostic field visit to Acid lime and Custard apple by ICAR-KVK, Kalaburgi-II scientist

On 14th July 2023, ICAR-KVK, Kalaburgi-2, Dr. Chethan T, Scientist (Horticulture) visited to acid lime orchard affected with wilt, mite and severe nutrient deficiency at village Jeratgi Tq. Jewargi. Suggested to apply Arka microbial consortium treated FYM to the basal portion, removal of dried branches and twigs and spray with citrus special and dicofol for the management.

On 17th July 2023, ICAR-KVK, Kalaburgi-2, Dr. Chethan T, Scientist (Horticulture) visited to four months old custard apple orchard at village Awarad Tq. Jewargi. There was burnt like appearance in the edges of leaves due to potassium deficiency so suggested to supply MOP along with micronutrient mixture for further recovery.



ICAR-KVK Kannur

Training on flower arrangement

In association with ATMA 2023-24 under SCPSC 10 SC women farmers from Manjeswaram block visited KVK Kannur on 25/7/23. Smt. Elizabeth Joseph, Assistant professor (Home science) handled the session. Various types of flower arrangement were familiarized to the women farmers.

Diagnostic field visits to bacterial wilt infected marigold fields

A heavy incidence of bacterial wilt was noticed in marigold fields in Aralam, Kurumathur, Payyavoor, Payyannur, and Alakkode panchayaths of Kannur district. The diagnostic field visits were conducted by Dr. Jayaraj .P, Programme co-ordinator, KVK Kannur; Dr. Sainamole Kurian, Professor, COA, Padannakkad; and Dr. Manju.K.P, Assistant professor, KVK Kannur. The experts suggested and recommended an integrated management schedule including application of lime for acidity correction in soil, prophylactic application of bioagents such as Pseudomonas, soil drenching of bleaching powder at 0.2%, or streptomycin sulphate + Tetracycline hydrochloride (90:10) to manage the bacterial wilt disease.



ICAR-KVK, CPCRI, Kasaragod

Workshop on Water Budgeting

The ICAR-Krishi Vigyan Kendra, CPCRI, Kasaragod organised a workshop on "Importance of Water Budgeting and Watershed Management in Local Self Government Institutions on 26-07-2023 at ICAR-CPCRI Kasaragod. The workshop was organized in collaboration with KSCSTE-CWRDM, Kozhikode. The event was inaugurated by Smt. Baby Balakrishnan, Hon'ble President, Kasaragod District Panchayat and was presided over by Dr. K Balachandra Hebbar, Director, ICAR-CPRI, Kasaragod. In the inauguration speech the president highlighted the co-ordination between various departments in the preparation of water budget for panchayats. Dr. K B Hebbar highlighted the importance of water conservation to mitigate the climate change and erratic rainfall situations. Dr. A C Mathew, Principal Scientist, ICAR-CPCRI, Kasaragod deliver the keynote addresses and highlighted the watershed management for conservation of soil and water. He also promoted the CPCRI technologies for conserving and utilizing the available water resource in scientific manner. Dr. Homey Cheriyan, Director, DCCD and Smt. Divya K B, AGM-NABRAD Kasaragod District offered felicitations. The welcome address was delivered by Dr. Manoj P Samuel, Executive Director, KSCSTE-CWRDM, Kozikode and vote of thanks was offered by Dr. Manojkumar T S, Head, ICAR-KVK, CPCRI, Kasaragod.



PM Kisan Sammelan

The ICAR-Krishi Vigyan Kendra, CPCRI, Kasaragod has organised the PM Kisan Sammelan on 27 July 2023 at PJ Hall in CPCRI. The webcasting of the Honourable Prime Ministers programme was telecasted to the farmers of the Kasaragod district for creating awareness on various programmes launched by the Honourable Prime minister. The events included releasing of 14th instalment of PM Kisan Samman Nidhi , inauguration of Kisan samrudhi kendras, the digital platform for facilitating FPOs to carry out e- commerce and the launching of sulphur coated urea by the honourable Prime minister. The meeting in KVK Kasaragod was inaugurated by Shri Ravish Tantri Kuntar, the BJP district president and the meeting was chaired by Shri Augustine Gerard B, Project Coordinator (Palms) and Director in charge, CPCRI, Kasaragod. The meeting was attended by 54 farmers and 20 extension functionaries.



ICAR-KVK Gonikoppal, Kodagu

Front line demonstrations at IFS plots at Ponnampet taluk

ICAR-KVK Gonikoppal, Kodagu implemented three front line demonstrations in animal science viz., Scientific management of pigs to enhance ovulation, fertility and conception rate and demonstration of effective treatment to enhance production traits in dairy cattle recovered from LSD(Lumpy Skin disease)and composite fish culture with improved fish varieties in IFS plots in thirty farmers plot of Kunda, Mugutageri, Hodoor, Thuchamakeri and Devarapura villages of Ponnampet taluk for the year 2023-24 on 19th and 21st July, 2023. These demos include latest technologies in from various universities to increase the production and productivity in dairy cattle, pigs and fishery in the district. Dr. Suresh S.C, SMS(Livestock) has involved in implementation of these FLDs.



ICAR-KVK, Kolar

Awareness Campaign on "Broad mites management in mulberry"

ICAR-KVK, Kolar conducted Awareness Campaign on "Broad mites management in mulberry" at Poornapalli village of Srinivasapura taluk on 20.07.2023. Dr. Shashidhar K.R, Scientist (Sericulture), KVK, Kolar visited severely affected mulberry gardens and suggested suitable management practices and also conducted method demonstration of wettable sulphur application for mites management. Shri T.M. Kalappa, Deputy Director of Sericulture, Kolar, Shri S N Srinivas, DDS, Govt Cocoon Market, Kolar, Shri Krishnappa, ADS, Srinivasapura were participated in the campaign. Around 30 sericulture farmers participated and benefitted from the programme.



On campus capacity development programme on "Recent advances in bivoltine sericulture for sustainable cocoon production"

KVK Kolar organized capacity development programme on "Recent advances in bivoltine sericulture for sustainable cocoon production" in collaboration with Department of Sericulture, Kolar on 28.07.2023. During the programme Dr. J. B. Narendrakumar, Scientist 'D', Research Extension Centre, Madivala briefed on Integrated management of sucking pests of mulberry. Dr. Anilkumar S, Scientist (Soil Science), KVK, Kolar explained about cultivation practices of mulberry through natural farming techniques. Dr. Shashidhar K.R, Scientist (Sericulture), KVK, Kolar briefed on Management of soil borne diseases of mulberry. Shri S.N. Srinivas, Deputy Director of Sericulture, Government Cocoon Market, Kolar pointed out on Recent advances in bivoltine silkworm rearing and cocoons marketing. Shri T.M. Kalappa, Deputy Director of Sericulture, ZP, Kolar, & Mr. Thulasiram K., Associate Professor (Entomology) COH, Kolar were participated as chief guests. Dr. Shivanda Hongal, Senior Scientist & Head, KVK, Kolar presided over the function. Around 70 sericulture farmers participated and benefitted the programme.



ICAR-KVK Kollam

World Zoonoses day 2023 celebrations Public awareness programme

Kerala is known as God's Own Land blessed with wetland habitats, innumerable water bodies and with the presence of Western Ghats. These types of habitats increase the potential for many pathogens to be transmitted from wild animals to the domestic animals and to the humans. Habitat loss of wild animals such as bats, monkeys, civet cats, etc. has forced them to move closer to human residential area and which establish a close contact with humans considered to be the main reason for the emergence of various zoonotic diseases. Here comes the importance of World Zoonoses day. Diseases that are transmitted from animals to humans and vice versa are called zoonotic diseases. Studies reveal that 75 percent of infectious diseases are zoonotic and widely affecting those working in the field of animal husbandry, wild life and habitats close to forest regions.



Kerala currently experienced with wide range of zoonotic diseases like rabies, bird flu, rat fever, monkey fever, Japanese fever, West Nile fever, scrub typhus, swine flu, and even Nipah with in last few years. Zoonotic diseases are a global health concern that requires continuous attention to prevent outbreaks, protect public health, and promote the well-being of both humans and animals. Every year World Zoonoses Day is observed on a theme and the theme for the year 2023 is "One World, One Health: Prevent Zoonoses, Stop the Spread". The prevalence of zoonotic diseases therefore forces us to emphasize a coordinated approach between departments working for human and animal health. ICAR, Krishi Vigyan Kendra Kollam organised one a day awareness programme on **World Zoonoses Day** titled - **Zoonotic diseases in Kerala** on July 6th 2023, 10am at seminar hall of Government Polytechnic college Kaimanan for the students. Krishi Vigyan Kendra, Subject Matter expert Dr. Parvathy S. (Animal Husbandry) handled the session and dealt with the various zoonotic diseases in Kerala, their ethiology, common signs and symptoms

and their chances of spread during various seasons. Also emphasis the safety measures to be followed by livestock farmers and pet owners while handling the dairy and pet animals during outbreak and the importance of rabies and its vaccination schedules in animals and humans. Total of 200 students and Professors from various departments participated in this awareness campaign programme.

ICAR- KVK Koppal

Millet recipe contest

Millets are nutri cereals comprising of sorghum, pearl millet, finger millet (Major millets) foxtail, little, kodo, proso and barnyard millet (minor millets). These are one of the oldest foods known to humanity. Millets are highly nutritious, non-glutinous and non-acid forming foods. Millets have many nutraceutical and health promoting properties especially the high fibre content. ICAR Krishi vigyan kendra, Koppal organised millet mela contest in koppal taluk and kuderimoti village. More than 40 farm women in each contest were participated and exhibited the millet product. Millet roti, upama, pulav, puliyogare, kichadi, payasa, laddu, health mix, chakli, thalipet, pedha, bakarwada, holige, dosa, paddu dry jamun were prepared from foxtail, finger, little, bajra, kodo and barn yard millets. More than 500 farmers and farm women from adjacent villages were participated in contest. Taluk and gram panchayat representative, anganwadi workers, school teachers, NGO' representatives, agriculture department and women and child development officers were participated in the programme



Millet contest in Koppal (19.7.2023)



Millet contest in Kuderemoti (21.7.2023)



ICAR-KVK Kottayam

Diploma in Agricultural Extension Services for Input Dealers (DAESI)

The valedictory function of the second batch and the inauguration of third batch of the one year diploma in Agricultural Extension Services for Input Dealers (DAESI) were conducted on July 22nd. The programme was chaired by 'The Project Director ATMA' Smt. Lissyantony. Certificates and mementos were distributed to the outgoing batch by Kumarakom Grama Panchayat President Smt. DhanyaSabu. Principal Agricultural Officer of Kottayam District Smt. Preetha Paul addressed the gathering and offered her felicitations. Gold, Silver and Bronze certificates were given to the toppers. The participants of the outgoing batch gave commendable feedback on the course content and advised the new batch to utilize the opportunity to the best



Monthly Technological Advisory meeting

Monthly Technological Advisory Workshop was conducted on 31/07/2023 in collaboration with ATMA. Expert panel consisting of faculties in different disciplines from KVK and Regional Agricultural Research station, Kumarakom addressed the field problems presented by the officials of Department of Agriculture. Crop Advisories were formulated for communication to the farmers through digital media for timely remedy for field problems. Around seventy officials took part in the workshop.

ICAR – KVK Calicut

PM Kisan Samman Nidhi programme organized

In connection with the PM Kisan Samman Nidhi programme, live telecast of the address of honourable Prime Minister and inauguration of release of 14th instalment of the grant along with a training on mushroom cultivation were organized at KVK on 27.7.2023. Mr. K. Sunil, President, Chakkittapara Grama Panchayat inaugurated the event at KVK and Dr. P. Ratha Krishnan, Principal Scientist and Head, KVK presided the function. Dr. Mohammad Azharuddin, Scientist, IISR and Dr. K. M Prakash, Subject Matter Specialist, KVK also spoke on the occasion. Saplings and mushroom spawn were also distributed to around 150 farmers who attended the programme from different parts of Kozhikode district.



KVK, IISR Kozhikode celebrated 95th ICAR foundation day as technology day

On ICAR Foundation day (16/7/23) the Head of KVK participated in workshop cum exhibition on Millets organised by Millet Mission Kerala at Darunnujoom College of arts and Science, Perambra. The programme was inaugurated by Mr. Babu N.P, Block Panchayat President Perambra and Dr. P. Ratha Krishnan Head and Principal Scientist KVK delivered lecture and discussed on "Potential of Millets cultivation in Kozhikode District". Ninety-eight individuals from all over Kozhikode were attend the programme, exhibition and sales of millet grains and value added products by three groups viz., Natural health care and diabetic foods, Kayanna; Vayal Jaiva Kalavra, Perambra and Organic and millet products Ltd, Vadakara were held.



ICAR- KVK Malappuram

Refresher training for Livestock Inspectors

One day's training on "Practical ways for enhancing success rate of insemination in farm animals" was conducted at KVK Malappuram for Livestock Inspectors (LI) of the district. LI s forms the major category of technical staff engaged in animal breeding activities along with various animal health promotion activities under Animal Husbandry department of the state. There are around 230 livestock inspectors working in the district. Artificial insemination (AI) forms the major tool used for cross breeding cattle in order to enhance their milk production potential and more than 95 % of the cattle in the state are being bred through AI. However, success rate of AI has been found decreasing continuously from its inception. Besides, already established phenomenon of Universal decline of AI success in dairy cattle, various other technical and management related factors have been found to play critical role in reducing the conception rate out of AI. Hence the refresher training was found very relevant to sensitize various stakeholders of artificial breeding in dairy cattle.

In continuation of the one major seminar conducted at the KVK four months back, involving all the veterinarians of the district, the training was planned for livestock inspectors, who are the main category of inseminators, thus forming major implementers of cattle breeding policy of the state. Accordingly the first batch of training was conducted on 22nd July 2023, wherein 50 Livestock Inspectors participated. The programme was formally inaugurated by the District Animal Husbandry Officer, Malappuram – Dr P U Abdul Azeez in the presence of Dr Haroon Abdul Rasheed, Deputy Director (AH) and KVK scientists. Dr. Priya G. Nair, Programme Coordinator, KVK Malappuram presided over the function. The training sessions were handled by Dr. C. Ibraheem Kutty, Animal Reproduction specialist (SMS AnimalScience) working at the KVK.



Sustainability issue of commercial goat farming

KVK Scientist Dr. C. Ibraheem Kutty (SMS Animal Science) handled the session on the topic commercial goat farming for 45 farmers, in a training organized by communication center, KAU at Mannuthy on 25th July 2023. Fundamental steps in planning and initiating commercial goat farms, including realistic appraisal of reasons for the ongoing decline of goat population in the state, in spite of many developmental programmes focusing goat production was discussed in detail. Critical assessment of resource availability situation in the state, effectiveness of technological interventions and economics of small, medium and larger farms were also covered with major emphasis on ensuring sustainability of goat production in the state.



Webcasting release of 14th instalment of PM KISAN

Webcasting of the distribution of the 14th installment of the Prime Minister's Samman nidhiprogrammewas conducted at the Krishi Vigyan Kendra Malappuram. The programme was also included with the Inauguration of farmers welfare centres, sulfur coated urea, Open network digital commerce. Farmers and public workers participated in the said program



ICAR-KVK Mandya

“Millet Recipe Competition”

ICAR-Krishi Vighan Kendra, V.C. Farm in collaboration with Women and child development department, Mandya organized “**Millet Recipe Competition**” on the occasion of international year of millets and 95th ICAR- Foundation day on 18.07.2023 at KVK. The programme was inaugurated by Smt. Rooparani, President, Ganadalu Grama Panchayat, Mandya and highlighted importance of millet crops and use of millets in daily diet. Dr. N. Shivakumar, Associate Director of Research, Zonal Agricultural Research Station, V.C. Farm, Mandya in his speech mentioned that millets are climate resilient crops -resistant to climatic stress, pest and disease and not water or input – intensive. These millets are nutri dense can be used in the daily diet to improve their health.

Smt. Champakumari, CDPO, Women and child development department, Mandya explained department facilities and services to the gathering. Dr. Kamalabai Koodagi, Scientist (Home Science) stressed on nutritional and medicinal importance of millets, processing and value addition. On the occasion of millet recipe competition varieties of millet recipes were exhibited by the Anganawadi workers, farm women and shared their experience about the competition. The recipes were evaluated by team of members to finalize winners of the competition. Finally, the certificates and prizes were distributed to the winners. There were 86 Anganawadi workers, Farmers and farm women participated in the programme



ICAR-JSS KVK Suttur (Mysuru)

Field evaluation visits for ATMA progressive farmer award in Nanjangud block of Mysuru district

ICAR JSS Krishi Vigyan Kendra Suttur agronomy scientist Shri Shamaraj participated in field evaluation visits for ATMA progressive farmer award in Nanjangud block of Mysuru district on 26/07/2023. Department officials of Agriculture, Horticulture, Animal husbandry, Sericulture Nanjangud and ICAR JSS KVK scientist participated in field evaluation ATMA progressive farmer award. Evaluated 9 farms identified by different department in the block based on scientific management of farm, adaption of agriculture allied enterprises, value addition and marketing strategies.



Dairy and sheep based IFS farmer shri Jagadish at Hadya village Nanjanagud



Natural farming practices in sugarcane, banana and coconut by farmer Mahesh at alaganchi village Nanjangud

Assessment examination of FOCT training

ICAR JSS Krishi Vigyan Kendra Suttur conducted assessment examination of FOCT training on 27/7/2023. During the examination written, viva and practical are conducted to ASCI trainees. 15 ASCI trainees are attended to examination organized at KVK Training hall, the examination is coordinated and supervised by Sanjay and patil from ASCI department



ICAR-KVK Palakkad

Capacity building programme for NSS volunteers

KVK Palakkad in association with ATMA Palakkad conducted capacity building programme on scientific millet cultivation for NSS volunteers of Govt Higher Secondary School, Varode on 26-07-2023. A hands on practical session on establishment of Nutrigarden was given to these students along with distribution of vegetable seeds and seedlings as part of Haritham project. Classes were handled by Ms Sreelakshmi S., SRF, NICRA project and Dr. Resmi J, Assistant Professor (Horticulture), KVK Palakkad. An awareness session on Miyawaki forest creation was also carried out to these NSS volunteers as part of International Day of Conservation of Mangrove Ecosystem. Seedlings of fruit crops as well as agroforestry plants were distributed to them as part of DoECC project. Fifty NSS volunteers and school officials attended the programme.



Class on organic farming



Class on organic farming was conducted on 27-07-2023 at KVK, Palakkad on the occasion of release of 14th installment of PM KISAN Scheme. The class was attended by 70 farmers. The topics covered include the principles of organic farming, the benefits of organic farming, the different methods of organic farming and the challenges of organic farming. The farmers were very satisfied with the class. They said that they learned a lot about organic farming and they are confident that they will be able to adopt organic farming practices in their own farms. The class was a success and it is expected to help the farmers in Palakkad district to adopt organic farming practices.

ICAR- KVK, Pathanamthitta

PM KISAN SAMMELAN LIVE TELECAST AND PROGRAMME ON RAMBUTAN CULTIVATION AND MANAGEMENT

KVK, Pathanamthitta organised the live telecast of the release of the 14th instalment of the PM KISAN scheme by the Hon'ble Prime Minister of India Shri. Narendra Modi on 27th July, 2023 in Rajasthan. Dr. C.P Robert, Senior Scientist and Head, KVK, Pathanamthitta addressed the gathering and briefed about PM's speech in local language. A total of 114 farmers (33 % women farmers) participated in the programme. On the occasion a programme on Rambutan cultivation and its management was also organised. Different sessions included Selection of Planting material, Soil fertility management, pruning and fruit drop management. The technical session was led by Dr. Rincy K Abraham, SMS (Horticulture).



ICAR- KVK Ramanagara

Krishi Vigyan Kendra, Ramanagara and AICRP on Seed-Crops, NSP, GKVK, Bangalore jointly organised Field Day on "Introduction of newly released Dolichos bean variety HA-5" at Pemmanahalli village of Magadi taluk, Ramanagara district on 27th July, 2023. During the programme, Dr. M. S. Uma, Associate Director of Research, UAS Bangalore briefed that field days are on-farm classrooms which help farmers learn successful farming technologies and techniques, and get practical information from agricultural experts, fellow farmers and research organizations that the farmers can use to plan or enhance their own operations. Dr. K. Madhusudan, Special Officer (Seeds) opined that Dolichos bean is gaining lot of importance and farmers are growing as monocropping or mixed cropping in Southern India. In purview of this University of Agricultural Sciences, Bangalore released high yield and consumer preference variety called HA-5 and field days also help farmers see how farming techniques can be practically used and applied to improve yields and economic returns, as well as nutrition security and economic growth in a broader economic sense. Dr. S. Ramesh, Professor, Department of Plant Breeding & Genetics, CoA, GKVK, Bangalore briefed the ancillary and varietal characters of HA-5, which flowers 40-45 days after sowing and plant is semi determinate and green pods can be harvest at 85-90 days. The new variety yields around 10-12 Quintal per acre of fresh pods and has got typical aroma and flavour called as "Sogadu". Dr. B. Basavaraj, Assistant Professor, QSP, GKVK, Bangalore briefed about the seed production techniques, seed processing and storage practices. Dr. Rajendra Prasad, B. S., Scientist (Plant Protection) briefed the ecological friendly practices for effective management of major pest and disease in Dolichos. Dr. Lata R. Kulkarni, Senior Scientist & Head briefed the nutritional importance of Dolichos and bunch of savouries that can be prepared throughout the year. Around 60 farmers from Pemmanahalli and surrounding villages participated in the programme and were benefited.



ICAR - KVK Shivamogga

IACR Krishi vigyan kendra, Shivamogga and Dept .of animal husbandry and veterinary services Shivamogga jointly organized one day technical seminar on "Improved poultry production practices" for veterinary Doctors on 13-07-2023.



ICAR-KVK Thrissur

Release of benefits to farmers under PM KISAN: Webcasting the ceremony to farmers at KVK

PM KISAN, being a flagship scheme of the Government of India, aimed at providing direct income support to all land holding farmer families. As part of the scheme, the ceremony of the bulk release of the benefits under 14th installment was presided by Honorable Prime Minister on July 27th, 2023 and the event was webcasted to the farmers at KVK. A total of 78 farmers witnessed the event held at Rajasthan. The Director of Extension of Kerala Agricultural University, Dr. Jacob John addressed the farmers and explained to them the benefits of the scheme. Bharatiya Karshaka Morcha Jilla President, Adv. V.V. Rajesh along with local residents attended the ceremony. A hands-on training on mushroom cultivation was also organized for the farmers at KVK on the same day. Thus, as a whole, the programme was held in a befitting manner.



ICAR KVK Mitraniketan, Trivandrum

Training under SCSP Programme

Vermicomposting is a clean, sustainable, and effective technology to recycle waste. The safest and most environmental friendly method to dispose bio waste is to recycle it into organic fertilizer. This technology is a lucrative venture which can be started and sustained with biodegradable waste and earthworm suitable for vermicompost production. It is an income generating activity by utilizing biodegradable waste material for producing wealth. In the process of vermicompost, organic waste is broken down through the synergistic actions of earthworms and microbial communities. It is a proven technology to reduce organic biomass and generate high-quality fertilizer effective for growth and yield of plants. Current knowledge of production of high-quality compost remains poor among farming community.

ICAR KVK Mitraniketan, Trivandrum conduct various programme to strengthen the nutritional security and income to address economic inequality among SC population. The major problem faced by farmers from SC community is lack of cultivable land. Training module included all aspects of vermicompost production. Thirty two women farmers participated in the training programme. Farmers actively participated in the discussion during training programme and cleared the doubts related to production and marketing of vermicomposting. An initiative was taken to promote vermicomposting by giving training to economically weaker section at Malayinkeezhu panchayat of Pallichal block. Technical and scientific support through training was provided by Smt. Jyothi Rachel Varghese, Subject Matter Specialist Agronomy.



ICAR KVK Tumkur-1

Training programme on scientific production technology of Dragon fruit, Butter fruit and pomegranate

ICAR - KVK Tumkur-I organized live telecast of release of 14th installment of PM KISAN SAMMAN NIDHI by Hon'ble Prime Minister Sri. Narendra Modi ji from Rajasthan. On this occasion KVK Tumkur-I also organized the training programme on Scientific production technology of Dragon fruit, Butter fruit and pomegranate. Sri B.C. Nagesh, Ex Minister of education, GOK graced the occasion and released folders on production technology of butter fruit. Dr. Keerthishankar K, Scientist(Horticulture) delivered a lecture on production technology of butter fruit, pomegranate and dragon fruit. Totally 80 farmers were benefited



One Day Workshop on production technologies and value addition in Jack fruit

ICAR Krishi Vigyan Kendra Tumkur-I organized one day workshop on production technologies and value addition in Jack fruit on 26th July 2023 at Tadsuru under village adoption Project in association with Halli Siri Self help Group, Tovinakere. Mr. Padmaraju, founder of Halli Siri Self help Group, Tovinakere. Inaugurated the workshop by cutting the jackfruit and explained the scope of value addition in Jackfruit. Dr. Keerthishankar K, Scientist(Horticulture) delivered a lecture on production technology of Jackfruit. Dr. Nithyashree, Scientist (Home Science) delivered the lecture on importance of value addition in jackfruit. Smt. Manjamma, President, Halli Siri Self help Group, Tovinakere conducted demonstration of jackfruit value added products i.e., dosa, holige, bajji, payasam, kesaribath, mixture, etc. Dr. V. Govinda Gowda, Senior Scientist & Head, KVK, Tumkur-I delivered the Presidential remarks



ICAR KVK Hirehalli, Tumkur-2

International year of Millets-2023- Millets Recipe Contest

The "Millet Recipe Contest" was organized on 28th July 2023 at Thovinakere village, koratagere Taluk on the eve of International Year of Millets-2023. Shri Shiddappa, Head Master, Government Middle School, Thovinakere inaugurated this programme and suggested all the participants to understand the importance of millets and to create awareness in children. Smt Radha.R.Banakar, SMS-Home Science, KVK, Hirehalli briefed about the programme and nutritional importance of millets for healthy lifestyle. Shri Padmaraju, farmer and press reporter and Hallisiri group members, Thovinakere village were present in this programme. Millets recipe competition was conducted and Prizes were distributed to the winners along with complementary prizes to all the participants.

This programme was coordinated by Shri Shashidhar K.N, programme Assistant, KVK, Hirehalli. 50 SHG group members from Thovinakere village were participated in this programme.



ICAR- KVK Brahmavara, Udupi

Millet recipes and Nutri garden

Millet recipes competition and nutri garden training programme was organized by Krishi Vigyana Kendra Brahmavara in collaboration with Samridhi Mahila Mandali (R) at Cherkadi, Petri on 20.07.2023. The participants were made aware of importance of millets in our diet, their uses and importance of nutri garden for healthy balance diet. A competition on preparation of millet based food products was held and winners were awarded prizes. Dr. Dhananjaya. B Senior Scientist and Head, Dr. Raviraja Shetty G, Scientist (Horticulture) from KVK Brahmavar served as Resource persons. Smt Latha D Shetty presided the programme, Smt Prasanna Prasad Bhat and Dr. Prathima Acharya were chief guests. Mrs. Sharada M. Shetty anchored the programme. Archana Bhat gave vote of thanks.



Coastal Horticulture and career in Agriculture

A orientation programme on "Coastal Horticulture and career in Agriculture" was conducted for Bsc (Agriculture) students of Agriculture college, Satara, Rahuri on 21.07.2023 at KVK Brahmavara. The students were made aware of the important commercial Horticulture crops being grown in coastal districts of Karnataka. They were also guided about the career option after completion of Bsc (Agriculture) degree programme. Dr. Raviraja Shetty. G Scientist (Horticulture) KVK Brahmavara served as resource person Dr. Jagannath Salve Professor of Soil Science and Dr. Nalini Assistant Professor of Agronomy, Agriculture college, Satara were present.

ICAR-KVK Uttara Kannada

FLD on Organic pest management in Paddy under coastal ecosystem

Paddy is the major cereal food crop of Uttara Kannada district, Karnataka. Over the years the area under paddy is decreasing due to several reasons. Though improved varieties are introduced, farmers are still interested to cultivate traditional varieties viz, Neera muluga, Ondkaddi, Halaga etc under organic conditions. Insect pests and disease cause major loss to paddy. In this context, Front line demonstration on organic pest management in paddy was implemented in Haldipur village of Honnavar taluk in 10 cres. Ten farmers were selected and method demonstration on seedling dip with *Pseudomonas fluorescens* was conducted on 19.07.2023. Blast is one of the major fungal disease of Paddy, affects the leaves, on which it causes diamond / spindle shaped white to gray lesion with dark green to brown borders surrounded by a yellowish halo, the lesion may enlarge coalesce and kill entire leaves. It also affects leaf collar, stem nodes, earheads, neck internodes and cause yield loss upto 100 %. One of the potential bio control agent against blast is *Pseudomonas fluorescens*. *Pseudomonas* suppresses the diseases and also acts as plant growth promotion and reduces the severity of many diseases.

The following are recommendation from UAS Dharwad.

- Seed treatment with *Pseudomonas fluorescens* 10g / 1 of water for 30 min.
- Seedling root dip treatment with *Pseudomonas fluorescens* (4g / 1 of water) for 20 min
- Foliar spray of *Pseudomonas fluorescens* (4g / 1 of water) at 20-25 days after transplanting



ICAR – KVK Vijayapura- 1

On the eve of International year of millets-2023, ICAR KVK Vijaypur-1 and AICRP Sorghum has organized one day training programme on Millets and their usage in day today life. At the beginning, Dr. S. S. Kharbantnal, Principal Scientist and Head, AICRP Sorghum had given introductory remarks on millets and Dr. S. M. Vastrad, Senior Scientist and head of KVK welcomed all the dignitaries to the function. The training programme was inaugurated by Dr. I.K. Kalappanavr campus head and Dean (Agri) in the gracious presence of Dr. Shekarappa Associate Director of Research and Dr. R. B. Belli Associate Director of Extension Vijayapur. Dean (Agri) has addressed the gathered and highlighted the importance of millets in day today life and gave a call to participants to use millets for healthy life. ADR and ADE were also briefed the importance of millets for present generation as well as future. The programme was ended with vote of thanks from Dr. Sangeetha Jadhav. After the inaugural session Dr. Shilpa Chogatapur and Dr. Shweta Mannikeri were participated as resource persons in the training. The programme was witnessed by 40-50 participants.



The Cluster FLD (Pulses-Pigeonpea) program was implemented in Kaggod and Mulavad villages of Vijayapur district. As per CFLD guidelines we have selected two clusters for this program for distribution of GRG 152 pigeon pea seeds and other critical inputs to farmers. IN the presence of Senior Scientist and Head KVK Vijayapur we have distributed the critical inputs to selected farmers of clusters after receiving the necessary documents.

ICAR – KVK Vijayapura- 2

Event 1: Training programme on contingency crop plan technologies for delayed monsoon during PM Kissan Sammelana

ICAR-KVK (Vijayapura-II) Indi organized live telecast of PM Kissan Sammelana along with training programme for contingency crop plan technologies for delayed monsoon. During this Dr. Shivashenkaramurthy M., SS&H explained the importance of PM Kissan Sammelana and uplifted the awareness for better usage of subsidies which are available in government. During his speech on crop plan, if monsoon was delayed for one month farmers were advised to follow the technological needs for contingencies to be implemented on real time basis include: Maintain the soil Stress tolerant genotypes (drought, flood, heat and cold) Short duration cultivars. Resilient crops and cropping systems, Agronomic management such as crop calendars in the system, plant time adjustment, plant population, thinning etc..In-situ moisture conservation. Rainfall and water storage relationships, water harvesting, farm ponds, catchment and command relationships, lining, silt traps and monitoring groundwater. Soil management, conservation agriculture, moisture stress management with improved soil carbon stocks, mulch cum manuring, on-farm generation organic matter, cover crops, balanced nutrition and foliar nutrition towards drought and flood tolerance, farming systems in drought prone regions,. Efficient land use system, agro-forestry, dryland horticulture etc, Livestock and vaccinations in various weather aberrations and Innovations in Village Level Institutions. During this event Dr.Savita, B., Dr.Veena C and Dr.Prakasha G., were presented along with 50 farmers and local representatives were attended the event.



Event: 02 off campus training programme

KrishiVigyan Kendra, Vijapura II-Indi conducted off campus training at Mulasavalagi village of Devarahipparagi tq. Dr. Prakash G. Scientist (Agronomy) welcomed all the scientist and farmers to the training. Dr. Shivashankarmurthy, Senior Scientist and Head briefed the cultivation practices for the lime and pomegranate. During farmers interaction for lime gummosis farmers advised to practice to spray Bordeaux mixture—a combination of copper sulfate, lime, and water—is an effective fungicide and bactericide that has been used for decades to control diseases of fruit trees and ornamental plants. These natural minerals, when mixed in the correct order, provide long-lasting protection to plants against diseases or Copper oxy chloride at 3 g/lit for better control of gummosis.

Dr. Veena Chandavari (Home Science), suggested about nutrition rich foods to improve the dietary intake and to remove the nutritional inadequacies in diet among the community. Moreover women are the main target group of this programme as they are sole responsible for the nutrition of the family. Women will be encouraged for growing vegetables and fruit plants in their homestead garden or nutrigarden to improve their family diet. Consumption of protective foods rich in anti-oxidants, minerals and coloured pigments, and fruits and vegetables that contributes to hemoglobin synthesis must be promoted among the farm women and school children. Vegetable based nutri-garden is the richest source of nutrition and can play an active role in eradicating under nutrition. Nutri-garden is advanced form of kitchen garden in which vegetables are grown as a source of food and income. For small and marginal farmers, nutrigarden can generate a critical contribution to the family diet and provide several other benefits, particularly for women. Around 30 farmers were benefitted from this training.



ICAR – KVK Wayanad

Exposure visit from Sethubavachathiram block, Thanjavur district to KVK Wayanad

Twenty farmers from Sethubavachathiram Block, Thanjavur District, Tamil Nādu in association with ATMA and Agriculture Farmer Welfare Department visited KVK Wayanad. Two days of training programme was arranged in connection with the visit. Classes were dealt on 'Introduction of protected cultivation and importance of organic farming' by Dr. Arularasan, SMS, KVK Wayanad on the first day and "Protected cultivation of vegetables" by Smt. Ashitha M.R, SMS, KVK Wayanad on the second day.



Field visit and Classes on Organic and protected cultivation of vegetables

Capacity building programme on Mushroom cultivation and its Value addition

Training on Mushroom cultivation and its Value addition was conducted at KVK Wayanad. Theory and practical sessions on Introduction to the new world of mushrooms, spawn production, mushroom bed preparation and its nutritive and medicinal importance was dealt by Dr. Deepa Rani C.V, SMS, KVK Wayanad. KVK Wayanad. Practical session on preparation of Mushroom cutlet, Mushroom pickle, Mushroom pakavada and Mushroom bajji were also included in the training. A total of 58 participants registered and took active participation in the training.



Theory session on Mushroom cultivation and spawn production

ICAR-KVK Yadgir

Bimonthly meeting of KVK and line departments

The bi-monthly meeting of Surpur taluk was conducted on 17.07.2023 at KVK, Kawadimatti. Deputy Director of Agriculture and Assistant Director of Agriculture were present during the meeting. Dr. Jaiprakash Narayan, SS&H explained about importance of horticulture crops in doubling farmer's income and disease control measures in pomegranate and guava. Dr. Shamrao Kulkarni, Assistant Professor, Agronomy, CoA, B-Gudi briefed about recent technologies in paddy cultivation to extension workers. He also emphasized to encourage DSR technology and bore well recharging. Dr. Shakarmurthy, Assistant Professor of Entomology explained about the pest control methods and drone usage in agriculture. Dr. Kotresh Prasad, Scientist (Animal Science) explained about Lumpy Skin Disease and control measures for mosquitoes in animal houses. He also briefed about fodder varieties suitable for the agro-climatic conditions of Yadgir. Dr. Raja, Scientist (Plant Pathology) discussed about Pink Bowl Worm in cotton. The functionaries were briefed about crop insurance and asked to them encourage the farmers to enroll for crop insurance.



Capacity development programme on forestry and sustainable agriculture

The programme was organized for engineering students of Nisty Engineering College, Surpur. Dr. S.B. Goudappa, DE, UAS Raichur addressed the gathering and emphasized on importance of forestry crops and how secondary agriculture will help in sustainable agriculture. Dr. Jaiprakash Narayan, SS&H briefed about importance of KVK in the district and its activities to youths of Yadgir district. Dr. D K Patil, Assistant Professor, Forestry, CoA, B Gudi gave a lecture on bamboo species, bamboo cultivation practices and its importance in livelihood. Dr. Raja, Scientist of Entomology explained about importance of beneficiary insects in agriculture. Dr. Kotresh Prasad briefed about importance of poultry farming and sheep farming as a high income entrepreneurial activities in the district



ICAR-KVK, Lakshadweep

National Science Day Celebrations

KVK-Lakshadweep associated with the Department of Science and Technology, UT Administration of Lakshadweep for celebrating the National Science Day on 30-7-2023. Various activities like lectures, debate and competitions were held for different stakeholders. KVK actively associated with the Department of Science and Technology in supporting the activities in planning and executing the National Science Day. The theme on **Global Science for Global Wellbeing** was dealt. Dr. Abdul Gafoor delivered a lecture on the theme for the SHGs and also provided scientific inputs on scientific management practices for small and large ruminants. Dr. Gafoor also dealt on the fish waste management. Dr. P. N. Ananth, Head, KVK was invited to be adjudicator for the debate on **Global Science for Global Wellbeing** for the College students in Lakshadweep. Upon completion of the debate Dr. Ananth delivered a lecture on the theme and focused on the activities of NICRA project in Kadmat islands. Scientists from the Department of Science and Technology, UT Administration of Lakshadweep expressed their willingness to associate with KVK to work jointly on the extension activities under NICRA project.



ICAR-KVK, Raichur

Exhibition by Krishi Vigyan Kendras

A Collaborative exhibition of the technologies of ICAR-Krishi Vigyan Kendras of University of Agricultural Sciences, Raichur was conducted on the eve of 12th convocation Day of UASR. The Dr. Himanshi Pathak, Secretary & Director of General (DARE) of Indian Council of Agricultural Research visited the Krishi Vigyan Kendras stalls exhibited and appreciated the efforts of all the Heads & Scientists for Krishi Vigyan Kendras and other staff. The Director (ATARI) Dr. Venkatasubramaniam. M & Vice Chancellor of UASR, Dr. M. Hanumanthappa, Director of Extension Dr. S.B. Goudappa, Hon'ble Board members and other Key officials also were present along with the Director General



Tourist Places nearby Bagalkote



Badami-Caves



Sangamanath Temple, Kudalasangam



Durga Temple Aihole



Pattadakallu World Heritage site



Lad Khan Temple Aihole



Alamatti Dam



Bhootnath Temple Badami



Mahakoota