

KVK TIMES

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

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THRISSUR

ICAR-KRISHIVIGYAN KENDRA
KANNUR



KVK TIMES

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

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ICAR - Krishi Vigyan Kendra, Kannur



Message

Dr. R. CHANDRABABU
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Krishi Vigyan Kendras plays a vital role in the transfer of technologies from research system to the doorsteps of farming communities. KVKs handhold different stakeholders in Agricultural Knowledge and Innovation System to improve the socioeconomic status of the rural people. Initiatives taken by KVKs in mobilizing farmers, strengthening of Farmer Producer Organizations (FPOs), creating agri-business opportunities, capacity development of farmers, farm women, extension functionaries and rural youth etc. is remarkable. Such sincere efforts must be documented in order to use as a ready reckoner of innovative ideas and achievements of frontline extension system.

ICAR-ATARI Bengaluru, Zone XI has come up with an idea of publication of a fortnightly e-newsletter in the name of 'KVK Times' to showcase the programmes and activities of KVKs. I hope KVK Times would provide the platform for all KVKs in the zone to share the valuable information for showcasing their commendable approaches and accomplishments. The collective effort of ATARI, Directorates of Extension and Krishi Vigyan Kendras is highly appreciable and I congratulate Programme Coordinator of KVK Kannur and his team for compilation of extension activities organized by the 48 KVKs during second fortnight of May 2022.



(R. Chandra Babu)





Message

Dr. V. VENKATASUBRAMANIAN
Director
ATARI, Bengaluru

FOREWORD

Krishi Vigyan Kendras are the well-established extension system working at the grassroots level to enhance production and productivity by disseminating advanced technologies in agriculture and allied sectors. The primary goal of technological application in agriculture is to assist farmers in adapting and adopting technologies along with marketing strategies to meet the challenges of climate change, and rapidly changing socio-political and economic conditions.

In addition, Krishi Vigyan Kendra is also serving as a repository of scientific knowledge that is useful to the entire district in its jurisdiction. Various field-oriented training programmes, capacity development programmes, projects, and the supply of quality planting materials and bio inputsto needy farmers are being undertaken by the KVKs.

It gives me immense pleasure to share the KVK Times compiled by KVK Kannur for the period of a fortnight of May 2022.

I acknowledge the support Dr.R.Chandra Babu, Vice-Chancellor and Dr.Jayasree Krishnankutty, Director of Extension, Kerala Agricultural University to KVK's for their effective service to the farming community.

I extend my special thanks to Dr. P. Jayaraj, Programme Co-Ordinator, KVK Kannur and his team for bringing the 22nd edition of KVK Times in a beautiful manner.

(V. VENKATASUBRAMANIAN)





Message

Dr. JAYASREE KRISHNANKUTTY M.
Director of Extension
Kerala Agricultural University

Krishi Vigyan Kendras are frontline extension system continuously working for the betterment farmers and rural people. They are the down to earth institutions intensively working for technology assessment, refinement and transfer of latest technologies to the farming community. The interventions of KVKs are now based on farm trials, front line demonstrations and capacity building programmes. KVKs are functioning as a source of emergence of agripreneurs and can provide livelihood support for farmers through various income generation activities. Thus, KVKs become a beacon of light for the overall rural development in the district.

The novel idea of showcasing activities of KVKs through a fortnightly newsletter, KVK Times by ATARI Zone XI is really appreciable as it exemplifies how KVKs can help farming community to help themselves.

I congratulate and wish all the success for the Programme Co-ordinator and the team of KVK Kannur for the splendid compilation of activities of Kerala and Karnataka KVKs for the 22nd edition of KVK Times.

Dr. Jayasree Krishnankutty M.





Dr. JAYARAJ P.
Programme Coordinator
KVK Kannur

Message

ACKNOWLEDGMENT

I take this opportunity to express heartfelt gratitude to Honourable Vice Chancellor of Kerala Agricultural University, Dr. R. Chandra Babu for his constant support for KVK to work for enhancing the income of farming community by disseminating appropriate technologies in agriculture and allied sectors. I would like to extend my sincere gratitude to Dr. Jayasree Krishnankutty M., Director of Extension, KAU for her guidance and inspiration to carry out the assigned work with perfection.

I wholeheartedly thankful to Dr. Venkatasubramanian, Director of ATARI, Bengaluru, for his immense support and motivation in all efforts of KVK. I extend my sincere gratitude to Dr. M. J. Chandre Gowda, Principal Scientist and Nodal Officer of KVK Kannur 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.

Last but not the least, I express my sincere thanks to entire team of KVK Kannur for their efforts in compiling and editing of KVK Times. I would like to express my profound gratitude to ATARI, Bengaluru for giving an opportunity to compile the 22nd issue of KVK times for the period of 16th -31st May, 2022.

Dr. Jayaraj P.





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Exerting Powerful Impact on the Agricultural Sphere in the District and Beyond...

Words from the heart.....

Being a farmer, who could collaborately work with KVK Kannur from 2006 onwards I can tell that field oriented activities of KVK helped me in a great way to gather new information related to agriculture, to understand how to manage each crop with the standard operating protocol in a scientific way along with ecofriendly concerns and also ecological engineering aspects. This helped to bring prosperity in my life in a better way. KVK always work hand in hand with farmers to make agriculture a livelihood option and also take necessary steps to solve field problems timely. One limitation for this as I perceived is the limited number of agricultural scientists in all KVKs to reach entire farmers in the district. So according to my opinion, staff pattern of KVKs should change to accommodate more agricultural scientists to serve farming community in the district with dissemination of information and technology. Frontline demonstrations of each crops in different areas can increase the confidence of farmers to adopt innovative technologies. If KVKs can go ahead with such kind of activities we can rejuvenate agricultural sector. I wish the technical helps of KVKs should reach each and every corner of the district to benefit more and more farmers.



Sri. T. K. Balakrishnan
MD, Mayyil Rice
Producers Company



Sri. Jomon
JJ Honey Enterprise

I was cultivating coconut, pepper, vanilla, rubber etc. Now I have started bee keeping too. Training programmes on bee keeping from KVK Kannur has motivated me to start this new activity along with other farming practices. Under ARYA programme, I got bee boxes and more and more trainings on different aspects of honey bee cultivation. Now I have almost 40 bee boxes and I can make more colonies in next season. I could market around 3.5 quintal honey this year. I wholeheartedly express my sincere thanks to the scientists of KVK to handhold me through ARYA programme to make a better income through this enterprise.



Smt. Simi K. V.
Farmer and Agripreneur
Bakkalam

I have started eggner nursery activities with technical help from KVK Kannur and glad to say that I can able to get around ten lakh turnover from the business. Expertise and technical ability to start nursery activities wasgained through the training and capacity building programmes of KVK and it also gives me a sustainable income though adopting proper marketing strategies. I could make my vegetable cultivation more profitable with timely advisories from KVK. KVK should concentrate more on allied activities including branding of animal products too. Activities of KVKs should be given more publicity as many are unaware about the services they could get from KVKs. I wish more and more training programmes and field level activities of KVKs could attract new faces to agriculture and agri-business



Sri. Rahul & Sri. Sikhil
Keezhattoor
Mushrooms

We have started mushroom cultivation and marketing under the brand name Keezhattoor Mushrooms. We got trainings on mushroom cultivation under ARYA programme of KVK Kannur. This capacity development programmes helped us to increase the number of beds from 20 to 100. There were so many problems aroused after this and we could get timely advices from KVK to overcome those issues. Now we have around 300 beds and KVK's technical advices helped us to increase production and improve marketing of the product. We are planning to convert it into hi-tech mushroom farm with the help and cooperation of KVK Kannur. We express our gratitude to KVK Kannur for all the support given for starting and sustaining our enterprise.



Deepflow Technologies Pvt. Ltd. (Agri startup)

Technical support we at Deepflow Technologies Pvt. Ltd. received from KVK Kannur since March 2020 includes mentoring sessions (followed by fruitful discussions) starting from ideation (guidance in framing the pain points faced by small holder farmers at the grass root level) to assistance in developing and delivering farmer-centric products throughout the agri-value chain, agri-expert consultancy support in framing 'Recommendation Engines' to deliver personalized agro-advisories to farmers, assistance in initiating the agri-startup's first business collaboration with Cheruthazham Black Pepper FPO, assistance in successfully organizing the agri-startup's first Outreach program for farmers on All India Radio Kannur (Kisaanvaani), reaching out to 4000 farmers in Kannur, Kasargod, Wayanad & Idukki regions, ample opportunity to present the agri-startup's unique solution to progressive farmers in Wayanad & Kannur regions (virtual-interaction), guidance and assistance in successfully implementing the User Testing of the agri-startup's Mobile Application to selected progressive farmers in Kannur, guidance in handholding the lone progressive small holder farmer cultivating small cardamom in Udayagiri and guidance in carrying out on-ground orientation programmes (pre-launch) for small holder farmers cultivating pepper and cardamom. Critical mentoring received from KVK and PRS during various phases of the agri-startup which resulted in its following achievements; recognized among the Top 25 agri-tech startups in India (Semi-finalist) for the Cisco Agri Challenge organized by Cisco India, Nudge Centre for Social Innovation, bagged first prize (Quadruped Agri Robot) in the precision-agriculture category of Agri India Hackathon organized by Pusa Krishi (IARI), ICAR & Ministry of Agriculture & Farmers' Welfare, Gol and became first agri-tech startup in India to directly partner with NABARD (under FSPF) to deliver agri-technology services to farmers for improving their revenue aspects and quality of their produce. Future support we expected from KVK system is effective utilization of panel of agri-subject matter experts in delivering to need-based and real time agro-advisories for various crops cultivated by farmers in Kannur.

ICAR - Krishi Vigyan Kendra Alappuzha

Celebration of World Bee Day

World bee day was celebrated by the KVK on 20th May, 2022 with the theme '*Celebrating the diversity of bees and bee keeping systems*' proposed by FAO. The programme was organized in collaboration with Bishop Moore College, Mavelikara with the presence of students and faculty. A quiz programme on bees was conducted and an awareness talk on bee diversity and beekeeping systems was delivered by Dr. T. Sivakumar (SMS, KVK). Eleven teams participated in the quiz contest in which Ms. Aiswarya Nair and Ms. Sayana Saleem won the first prize and Ms. Hridya Sajithakumari Pillai and Ms. Elsa Annie Roy won the second prize. Degree students from Zoology, Botany and Biotechnology departments participated in the events. Dr. P. Muralidharan, Senior Scientist and Head, KVK delivered the keynote address in the valedictory session presided over by Dr. Ranjith Mathew Abraham (Vice-Principal, Bishop Moore College). Dr. Deepthi G. R. (HoD, Zoology Dept.) and Dr. Sajnanath K. (SMS, KVK) coordinated the conduct of the programme.



Capacity building on Value addition of Banana and Plantains

A two days on-campus capacity building programme on 'value addition of banana and plantains' was conducted on 18th and 19th May in which 13 rural youth/entrepreneurs from different parts of the state and 16 B.Tech (Food Technology) students from St.Gitts College, Kottayam attended. More than 20 different value added products prepared from banana pseudo stem, peel, flower, raw banana, and ripened banana products were demonstrated in the practical sessions. In addition to the preparation of products, orientation on the requirement of various licenses and selection of suitable machineries for the enterprise were also given to the participants.



ICAR - Krishi Vigyan Kendra, Bagalkote



Online training programme on 'National dialogue on extension services for efficient delivery of horticultural technologies: A way forward' organized by IIHR-Bengaluru, on 20.05.2022 and 21.05.2022 for which Dr. Airadevi Angadi, Scientist (Horticulture) ICAR-KVK, Bagalkot was nominated and successfully completed the programme.

Diagnostic field visit to Pomegranate wilt infected orchard at Kaladagi village on 23.05.2022 by Dr. Airadevi Angadi, Scientist (Horticulture) and Dr. Venkanna Balaganur, Scientist (Animal Science), KVK Bagalkote.

Dr. Sudha S, Scientist (Plant Pathology) conducted training for FPO members (Amrut FPO, Hungund) on production of Bio agents and Bio pesticides on 19.05.2022. Total no. of participants was 20.

Dr. Sudha S, Scientist (Plant Pathology) conducted training for farm women on production of vermi composting and honey bee unit for promoting farm women as a business entrepreneur on 25.05.2022. Total no. of participants was 25.

Dr. Sudha S, Scientist (Plant Pathology) conducted online training programme on



importance of seed treatment and management practices for disease management in Kharif crops of Bagalkote district on 21.05.2022. Total no. of participants was 30.

An awareness programme was conducted on **19.05.2022** for members of FPO Amaravati the Bagalkote district at Hungund. A total of 15 FPO members participated and got benefit of this programme. Mr. Basavaraj Nagaleekar (SMS Agrometeorology) explained to farmers about weather, climate, climate change, reasons for climate change, effects of climate change on agriculture, mitigation strategies, objectives of GKMS project, details about DAMU and weather based agro-advisories. Also explained about the importance of automated weather station in agriculture and weather-related mobile applications like Meghdoot, Mausam and Damini.



ICAR - Krishi Vigyan Kendra, Ballari

“Kadali vana” of Kalidas:

A successful journey of Banana value added products

Kalidas is an innovative banana grower hails from Kamalapura of Hampi region, who keeps on trying new recipes from different fruits and vegetables. He tried to make Bale Kayi Hudi (BaKaHu) and utilize it in making different products long back but could not bring any products to market due to lack of guidance.



Under EDP programme of ICAR-KVK, Ballari, Mrs. Kalidas was given capacity building trainings and proper guidance on scientific methods of banana value addition to bring his banana products in to market.



Further he purchased a small scale dryer for his processing unit and started drying the Sugandhi bale which is a famous variety grown in Hampi region but fetches low price to the farmers. He is also producing banana figs from sugandhi bale which have unique sweet and sour taste. Mr.Kalidas has made many attempts to make different value added products out of BaKaHu. One of his best trials is 'BaKaHu rotti', which is similar to jowar rotti. Though the Method BaKaHu rotti is similar to jowar rotti taste is unique. Kalidas makes rotti in three variations viz., with 100 percent BaKaHu, with 50 percent BaKaHu and 50



percent jowar flour, another one with 50 percent BaKaHu and 50 percent foxtail millet flour. Demand for BaKaHu rotti is increasing day by day in the local market due to its high nutritional benefits over other rottis.

Mrs. Kalidas has also got FSSAI license and now branded his products as 'Kadali Vana' products. Many TV and news Medias covered his unique success story of Banana value addition journey. Kalidas is also planning to open an exclusive banana restaurant for the benefit of the Visitors of Hampi.

ICAR - KLE Krishi Vigyan Kendra, Belagavi - II



Participated in Soya Maha Kumba Mela

ICAR- KLE KVK, Mattikopp participated along with 25 contact farmers in the “**Soya Maha Kumba Mela**” held at Indian Institute of Soybean Research, Indore, Madhya Pradesh during 29-31 May, 2022. KVK exhibited the recent technologies through exhibition stall. Two contact/participating farmers of the KVK namely Sri. Kumar Mugdum and Sri. Mahantesh Pujar have been awarded during the event for their outstanding contribution in the soybean seed production of recently released varieties and their frontline extension efforts in expansion of the area under soybean

Celebration of World Bee Day

KVK organized World Bee Day 2022 at Campus on 20th May, 2022. Mrs. Sridevi B. Angadi, Senior Scientist and Head inaugurated the programme and stressed for adoption of bee keeping as an additional income generation activity on the existing cropping system. The theme for World Bee Day 2022 is 'Bee engaged: Celebrating the diversity of bees and bee keeping systems'. Dr.S.S. Hiremath, Scientist (Plant Protection) gave lecture on Importance and Practices of Honey Bee Keeping and requested farmers to



in the same village which resulted in enhanced productivity and income to the farmers in the village.

It is to be noted that KVK has introduced various new varieties of soybean under off season seed production programme (3S1Y) in its jurisdiction in collaboration with IISR, Indore for production and supply of high yielding recently released soybean varieties. Mrs. Sridevi B. Angadi, Senior Scientist and Head and Mr. G.B. Vishwanath, Scientist (Agronomy) accompanied the team of participating farmers and highlighted KVK efforts in large scale soybean seed production of new varieties during off season and supply to the farmers.

adopt bee keeping as an income generation activity in their fields.



Garib Kalyan Sammelan

KVK arranged live web telecast of interaction session of Hon'ble Prime Minister Sri. Narendra Modi ji with beneficiaries of different public welfare schemes across the nation during Garib Kalyan Sammelan held at Shimla, Himachal Pradesh on 31.05.2022.

KVK staff, farmers and farmwomen participated in the event. Sri. S. M. Warad, Scientist (Soil Science) briefed about Garib Kalyan Sammelan and translated the proceedings of the event. Dr.S.S. Hiremath, Scientist (Plant Protection) highlighted the plant protection measures to be adopted in *kharif* crops.



ICAR KVK, Chamarajanagara

Field day on improved blackgram variety LBG-791

A field day on ICM in blackgram variety LBG-791 was organized by ICAR KVK, Chamarajanagara on 27.05.2022 in the field of Sri Siddaraju, progressive farmer of Y.K. Mole, Yelandur taluk. Through KVK 50 front line demonstrations were given to irrigated farmers of Y. K. Mole under the ATMA Project, Department of Agriculture, Chamarajanagara and demonstrated to get higher yield through practicing ICM with new blackgram variety LBG-791.

In this event, Dr. Sunil C. M., Scientist (Agronomy) ICAR-KVK, Chamarajanagara briefed the varietal characteristics of LBG-791 to the farmers viz. the variety can be harvested in 70-80 days, it can be grown in all the seasons since it is a photo insensitive variety and also resistant to yellow mosaic virus hence expected to get higher yield. Further, he also

provided the information regarding agronomic practices to be followed in blackgram cultivation and Dr. Chandrakala Hanagi, Senior Scientist and Head gave information about the facilities available in KVK during this occasion. Dr. Supriya N. S., Scientist (Agril. Extension) and Mrs. Ranjitha, DPD, ATMA, Chamarajanagara participated in the programme.

Sri Siddaraju and Sri Guruvenkataramana, farmers who cultivated LBG-791 variety, shared their experience that Yellow Mosaic Virus disease was not found in the variety and expecting a yield of 4-5 q/acre and also application of micronutrient solution during flowering stage reduce the flower drop. By knowing all the advantages of the variety, farmers requested to make available of LBG-791 seeds in the RSK.



DAESI 2021-22 batch certificate distribution programme

DAESI certificate distribution programme was conducted on 20th May, 2022 at KVK, Chamarajanagar. Dr. K. C. Narayanaswamy, Director of Education and Dr. N. Devakumar, Director of Extension distributed certificates to the DAESI trainees. A total of 78 trainees from 3rd and 4th DAESI batches of KVK, Chamarajanagara received the certificates from the DoE and DE of UAS (B).



Dr. K. C. Narayanaswamy, in his inaugural speech emphasized the need and importance of para extension workers in the form of DAESI to cater the timely requirement of farm inputs as well as technical inputs to

farming community. Dr. C. Doreswamy, Special Officer, College of Agriculture, Chamarajanagar, Sri. Ramesh, ADA (SMS), Department of Agriculture and Dr. Chandrakala Hanagi, Senior Scientist and Head, KVK, Chamarajanagar were present on the occasion.



DAESI batch facilitators Sri. Siddaraju and Sri. Prakash shared their experiences about their batches. Four DAESI trainees (two each) from two batches shared their key leanings of DAESI programme. Dr. Chandrashekar S. Kallimani, Scientist (Sericulture) and DAESI course coordinator of KVK, Chamrajanagara anchored and facilitated for the smooth conduct of the programme.

ICAR - KVK, Chikkaballapura

Bi-monthly Workshop

ICAR-KVK, Chikkaballapura organized bi-monthly workshop at District Agriculture Training Centre, Kagathi, Chintamani on 20.05.2022. Dr. K. Narayana Gowda, Associate Director of Extension, GKVK, Bangalore inaugurated the programme along with other dignitaries and emphasized on need for collaboration between University and line departments in effective transfer of technologies to farmers.

Dr. Papireddy, Senior Scientist and Head, KVK, Chikkaballapura explained about



One District One Product (ODOP) project. Dr. Roopa, Joint Director of Agriculture, Chikkaballapura highlighted about contingent crop planning for district. KVK Scientists presented highlighted about different technologies like new varieties, fertigation schedule, management of important pests and diseases.

Exposure Visit to KVK

As a part of Skill training organized by Canara Bank, Kolar, farmers were taken to ICAR-KVK, Chikkaballapura for exposure visit. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) explained about scientific vermi composting and its role in entrepreneurship development to the farmers and also explained about integrated farming system for sustainable income.



ICAR - Krishi Vigyan Kendra, Chikkamagaluru

Workshop on Onion

ICAR-Krishi Vigyan Kendra, Chikkamagaluru has organized the workshop on onion on 25.05.2022 at **Kanabagatte village** of Ajjampura taluk. Dr. Krishnamurthy, A.T., Senior Scientist and Head, Krishi Vigyan Kendra, Chikkamagaluru, 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 for the benefit of farming communities.

The programme was inaugurated by Mr. Suresh, Member, Taluk Panchayath, Ajjampura taluk. On this occasion Mr. Revanna, Progressive farmer, explained about the onion seed production technologies.



During technical session Dr. Prakash Kerure, Scientist (Horticulture), Krishi Vigyan Kendra, Hiriyur, delivered the lecture on nursery management, manuring, irrigation practices, fertilizer schedule, sulphur management, and newly released high yielding, pest and disease resistant varieties. Further explained about post-harvest technologies, value addition and inter crops in onion.

Dr. Girish R., Scientist (Plant Protection), KVK, Chikkamagaluru, provided information on scientific cultivation practices in onion crop, soil conservation practices, integrated pest and disease management, as well as the management of diseases like, purples blotch, Black mould, *Colletotrichum* blight and Pests like, onion thrips, mites and cut worms. Mrs. Aruna, Member, Grama Panchayath and Mr. Ravindra, Progressive farmer were also attended this workshop. Total 85 farmers got benefitted from this programme.

ICAR - Krishi Vigyan Kendra, Chitradurga

District level Workshop on Cashew

A district level workshop on cashew crop was organized at cashew garden of Mr. Dayanna, Meerasabihally, Challakere taluk on 19-05-2022 in collaboration with Cocoa and Cashew Development Board, Cochin.

Mr. T. Raghumurthy, Honorable Member of Legislative Assembly, Challakere inaugurated the programme by lighting up the lamp and delivered the inaugural speech and advised the farmers of Chitradurga district to grow cashew crop along with groundnut,



sunflower and maize. He opined that cashew is well suited crop for the dry land area, with minimum investment and care farmers can earn good profits by growing Cashew.

The Director, Cocoa and Cashew Development Board, Cochin, Dr. Venkatesh Hubballi briefed about various programmes and facilities available to the cashew growers through Cashew development board. Department of Horticulture is providing financial assistance under MNREGA for digging the pits and seedlings will be supplied by the cashew development Board free of cost. He also suggested the farmers to keep in touch



with the scientists for technical information on cashew cultivation.

Dr. O. Kumar, Sr. Scientist and Head, KVK, discussed that the cashew crop is grown traditionally in Malnad and west coast regions with heavy rainfall areas in forest and waste lands. Now the crop can be grown in maidan areas of Karnataka. This crop can earn good foreign returns if it is grown with better care. Dr. M. Hanumanthappa, Honourable Vice Chancellor, KSNUAHS, Shivamogga has presided over the programme and addressed the farmers regarding the suitability of cashew



crop for dry land region. He also briefed that farmers can grow the cashew crop with low expenditure and the crop is resistant to many pest and diseases.

Dr. Mruthyunjaya C. Wali, (Director of Research) KSNUAHS, Dr. Hemlanaik B, (Director of Extension) KSNUAHS, Dr. K. Manjappa, Dean, CoH, Hiriyyur, Mr. A. Chandranna, DCF, Raichur, Dr. Harish Babu, Associate Professor, ZAHRS, Dr. S. Onkarappa, Dr. Rajashekar Barkar, Dr. Virupakshappa, SADH, Challakere, Dr. Prakash Kerure, Dr. Sumana, Dr. Rudramuni and Mrs. Geetha Kumari were present in the programme.

World Honey Bee Day

World Honey Bee Day was celebrated on 25-05-2022 at KVK, Babbur Farm, Hiriyyur. World Bee day was celebrated on 20th May of every year on the birth day of Anton Jansa, the pioneer of modern bee keeping. The programme was inaugurated by pouring water to the plant by Dr. Sharanappa Jangandi, Associate Director of Research, ZAHRS, Babbur Farm, Hiriyyur. Dr. Sharanappa Jangandi delivered the inaugural speech and opined that farmers should possess more interest towards agriculture and treat it as an industry or enterprise for their livelihood to earn more profits. He briefed about some successful beekeepers like Mr. Shanthaveeraiah, Hiriyyur and Mr. Madhukar Shetty, Sirsi.



Dr. O. Kumara, Sr. Scientist and Head, was presided over the programme and addressed the role of honey bees in agriculture and their importance, The theme of World Bee day this year is

'Bee Engaged : Build Back better for Bees'. He also suggested the farmers to take up bee keeping activity as a subsidiary occupation, which is more remunerative enterprise and honey bees carry the pollen from one flower to



another which helps in better pollination. He briefed the importance of honey bees in agriculture and discussed about the health benefits of honey, importance of honey bee pollination in arecanut crop.

Mr. Shantha Veeraiah, Rtd. Assistant Director of Agriculture and successful bee keeper provided technical information on bee rearing, addressed the various problems faced by the bee keepers in Chitradurga district. Dr. S. Onkarappa, Scientist (Plant Protection), KVK and Mr. Hanumanth Naik G, Field Assistant, ZAHRS, provided the technical information on bee keeping. Mrs. Geetha Kumari, Programme Assistant KVK welcomed all the Guests, Scientists and participants and Dr. Rudramuni, Farm Manager KVK extended the vote of thanks. Number of participants was 40.



ICAR - Krishi Vigyan Kendra, Dakshina Kannada

Orientation and training to Sagar Mithras of Karnataka



KVK, Dakshina Kannada in collaboration with Department of Fisheries, Dakshina Kannada, Udupi and Uttara Kannada organized a training programme and orientation to the newly appointed Sagar Mitras of Karnataka state at KVK, Dakshina Kannada. Mr. Sudheer, Joint Director (Marin, Department of Fisheries Govt. of Karnataka was the inaugurator for the programme. Mr. Dinesh Kaller, Managing Director, KFDC, Govt. of Karnataka, Dr. Prakash B. K., Asst. Director, Dept. of Fisheries, Govt. of Karnataka, Mr. Harish Kumar, Joint Director, Dept. of Fisheries, Dakshina Kannada, Mr. Shivakumar, Joint Director, Dept. of Fisheries, Udupi, Mr. Ganesh K., Joint Director, Dept. of Fisheries, Udupi, Smt. Kavitha, Deputy Director, Dept. of Fisheries, Uttara Kannada,



Dr. Sushmitha Rao, Deputy Director (Inland), Dept. of Fisheries, Dakshina Kannada, were the special guests for the programme. President for the programme was Dr. Ramesha T. J., Senior Scientist and Head, KVK, Dakshina Kannada.

The programme was organized to give orientation regarding the fisheries and data collection in the marine fisheries sector. The duties of Sagar Mithra were conveyed with special training on various fisheries activities in the state in the coastal region with special importance on marine fish catch. Mariculture, cage farming, hygienic handling of fish in the landing centers, ODOP, Solar drying of fish, value added products preparation; marketing aspects were trained during the programme. The hands-on training was also given to the participants on solar drying of fish using hybrid solar-electric drier (ICAR-CIFT Cochin) at KVK, Dakshina Kannada. Dr. Chethan N., Fisheries Scientist, KVK, Dakshina Kannada trained the farmers in various aspects of Value addition under the ODOP theme. Assistant Directors of Fisheries, Mr. Dilip Kumar and Mrs. Manjulashree participated in the programme.



ICAR- Taralabalu Krishi Vigyana Kendra, Davangere

Training to the Input Dealers (DAESI)

Mr. Mallikarjuna B.O., SMS (Agronomy) delivered lecture on the Rainwater harvesting structures and its role in rainfed farming for Diploma in Agriculture Extension Services for Input Dealers (DAESI) at IAT, Davanagere arranged in collaboration with department of Agriculture. Afternoon session took them to the Kesarivana farm, ICAR- Taralabalu KVK main station, where they observed different rainwater harvesting structures created such as trench cum bunds, check dam, farm ponds and contour bunds. There were live mulching and bund strengthening fodder crops were grown. Tree based farming system was also attractive.



Guiding the PG students of Davanagere University

Students from Environmental Science discipline of Davanagere University, visited KVK for the preparation of the project on the enrichment of vermicomposting with different bio fertilizers. Mr. Mallikarjuna B.O., SMS (Agronomy) guided the students regarding the preparation methods of vermicomposting and enrichment technology to the students. Students visited the vermicompost units and got the information.



Smart Raitha Mahotsav

Mobile apps related to both Central and State schemes were described to farmers by engineering students in this special event. It was organized by Jain college of Engineering and SEAS foundation in collaboration with ICAR-Taralabalu KVK on 20-05-2022 at Anagonda village. Dr. Devaraja T. N., SSH of KVK inaugurated the workshop and said that such socially oriented events are sign of healthy and synergistic society. He also gave motivational tips to young graduates and oriented them to agriculture sector with technical innovations.



Awareness Programme on Bio-fuels

ICAR-Taralabalu KVK, Davnagere organized awareness programme on bio-fuels for women SHG members of Davanagere District. Mr. Raghuraja J., Scientist (Agricultural Extension), explained the need to go for bio-fuel-the alternate fuel system. The KVK is involved in implementation of Bio-energy Research Information and Demonstration Centre for last 11 years. Production of biodiesel, planting of bio-fuel plants, training and awareness programmes were organized in the project sponsored by Karnataka State Bio-fuel Development Board.



Awareness visit to Betelvine plots affected due to heavy rainfall

ICAR-Taralabalu KVK along with the Department of Horticulture officials created awareness on occurrence of disease incidence in Betelvine in view of continues heavy rainfall in Ramatheertha, Nagenahalli, Bellodi and Hanagavadi villages of Harihara taluk, which are main betelvine growing areas. Mr. Basavanagowda M. G., SMS (Horticulture) alerted the farmers to drain out the excess water in the plots and suggested the farmers to go for immediate drenching of Copper oxychloride @ 3g/l or Metalaxyl+Mancozeb @ 2g/l where the soil borne disease wilting and

foot rot is already noticed. Further, for improvement of vines micronutrients spray @ 5 g/l is recommended.

Dr. Avinash T. G., SMS (Plant Protection) advised farmers to use bio-pesticides *Trichoderma harzianum* @ 5 g/vine to manage the *Phytophthora* wilt and application of Neem cake @ 1 t/ha to manage the nematode infestation as a prophylactic measures. During the visit Dr. Raghavendra Prasad, Deputy Director of Horticulture, Davanagere, Mrs. Rekha G. P., Senior Assistant Director of Horticulture Harihara were present.



Latitude: 14.462148
Longitude: 75.776722
Altitude: 429.74±3 m
Accuracy: 3.8 m
Time: 23-05-2022 12:47
Note: Betelvine plot, Ramathertha

ICAR-Krishi Vigyana Kendra, Dharwad

Field day on Groundnut var. G2-52

ICAR-Krishi Vigyan Kendra, Dharwad conducted the field day on Groundnut variety G2-52 under Cluster Frontline Demonstration on ICM in Groundnut (NMOOP), in the field of Sri. Shekappa Ningappa Mugali from Mukkal village of Kalaghatagi taluk on 12.05.2022. Dr. Prasanna Kumar B. H., Scientist (Agronomy) briefed the special features of groundnut variety G2-52. The variety matures in 105-110 days and gives yield of 32-34 q/ha. It is tolerant to late leaf spot and rust diseases. He also provided the information about agronomical practices of groundnut crop.



Dr. Punitha B.C., Scientist (Soil Science) delivered a lecture on soil sampling and soil test based nutrient application. Sri. Lingareddy C. Naduvinamani, President, Gram Panchayat, Mukkal presided over the function and appreciated the University and KVK for providing the newly released and high yielding groundnut seeds to the farmers for popularization. Dr. M. B. Boranayaka, Technical Officer of ICAR-KVK, Dharwad participated and interacted with farmers. About 35 Groundnut growers along with Members of Gram Panchayat from Mukkal village participated in the field day.

Hands on experience to women workers about waste to wealth concept

Women have been appointed at Gram Panchayat level for collection of waste and dispose it safely under NRLM. These women from different Gram Panchayats of Dharwad district are trained in scientific solid waste management practices for 5 days. These trainees visited ICAR-KVK, Dharwad on 16.05.2022 as part of their training to gain

practical experience of vermicomposting. During the visit, Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad explained about the proper utilization of farm residues, decomposing kitchen waste *etc.*, for vermicompost and vermiwash preparation, which acts as a fertilizer for different crops and increases the yield. Method demonstration on vermicompost preparation was carried out during the exposure visit. About 30 women workers visited different demonstration units of KVK farm.

Farmers' visit to ICAR - KVK, Dharwad

Farmers from Jeeragal and Chichakandi villages of Bagalkot district visited ICAR-KVK, Dharwad on 25.05.2022 for exposure trip from WALMI, Dharwad. Field visit was organized to orient them on different demonstration units established in KVK farm. Smt. Kalavathi K. Kambali, Scientist (Plant Protection), ICAR-KVK, Dharwad explained about integrated farming system, application of compost culture in sugarcane trash management, soil and water conservation, vermicompost and vermiwash preparation. About 53 farmers interacted about sugarcane wooly aphid and root grub management.



ICAR- Krishi Vigyana Kendra, Gadag

Awareness cum training programme on nutrition garden and terrace garden :

ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti with the support of host organisation Agricultural Science Foundation initiated nutrition garden and terrace garden in Gadag city. In lieu of this, KVK conducted training, technical support, provided seeds of leafy vegetables and other vegetables on 24-05-2022. Further, the information on bio-pesticides, vermicomposting, use of bio-fertilizers, conversion kitchen waste to wealth and the kitchen garden was laid out in one of the backyard of the urban citizen. The urban residents were exposed to various models of cultivation of vegetables in plastic waste materials, pots, plastic containers, etc. were demonstrated to create awareness on cultivation of organic vegetables. Sri. V.K. Gurumath, President, Vivekananda Cultural Committee, Vivekananda Nagar, Gadag was presided over the function. About 110 urbanites participated in the programme.



ICAR - Krishi Vigyana Kendra, Hassan

World honey bee day

ICAR-KVK, Hassan has organized the World Honey Bee Day on 20.05.2022 at KVK-Kandali, Hassan. Dr. Rajegowda, Senior Scientist and Head has inaugurated the programme and during his inaugural address, he mentioned the importance of honey bee in agriculture, motto behind the world honey bee day and also importance of honey in human health. The programme proceeded by Dr. Nagaraja T. Scientist (Plant Protection) and conducted the technical session on importance of honey bee in food security, honey safety, pollination, honey bee biology, behavior of bee's, defense system, handling of bees, pest and disease of honey bees, world honey bee day history, etc., Finally vote of the thanks was given by Dr. Sanketh, C. V., Scientist (Agril. Extension), KVK, Hassan. 56 farm women's were participated from Alur and Sakaleshpura taluk of Hassan district.



ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti)

Kharif Campaign at Rahutanakatti village

A campaign was conducted by the ICAR-KVK, Haveri (Hanumanamatti) for farmers under the NICRA Project at Rahutanakatti village in Rannebenur Taluk. In this programme, since the pre-monsoon rains in Haveri district have taken place, to go ahead for sowing seeds in agricultural fields, Senior Scientist and Head of KVK, Dr. Ashoka P., discussed with farmers and explained how the practice of seed treatment for better control of seed borne diseases and to have biological nitrogen fixation and for P solubilization. It is

natural for our cultivators to choose the seeds of different crops and cultivars. He spoke about the importance of seed in agriculture. Although it is advisable for farmers to buy certified seeds for sowing each year, this will increase the cost burden for farmers.

Therefore, certified seeds of advanced breeds (other than hybrid breeds), once purchased, can usually be used for sowing the seeds of the same breed for 5 years. For nuts such as peanuts, soybean, chickpea, name, launderer, etc., bio fertilizers such as rhizobium, phosphorus-solubilizing bacteria and for seeds of cereal grains bio fertilizers such as *azospirillum*, phosphorus-solubilizing bacteria should be applied to the seeds (10g/kg of seeds). The gum solution must be



prepared and applied by spraying (25g of jaggery or sugar in 150ml of water). Boil for a period of 1 hour, take the required glue solution in a small container, mix the recommended amount of the recommended number of microorganisms per acre, dry it in the shade on a cloth or bag, and use the seed for sowing. These antimicrobial fertilizers should be applied after the application of fungicides to the seed. He said that sowing treated seed is the only cost-effective and that the manure, water, plant protection and labor supplied for the crop can be utilized. For the control of seed-borne diseases, 1kg of Thyram or Captain fungicide powder per kilogram of seeds which can prevent damping in crops

Awareness programme on "Mango processing"

To promote 'One District One Product (ODOP)' concept in Haveri district, ICAR-KVK, Haveri (Hanumanamatti) conducted an awareness training programme on "Processing of Mango Fruits" at Hude village of Hanagal taluk to farm women. Initially Dr. Rajakumar, Scientist (Soil Science) addressed the farm women about soil nutrient management to get tasty fruits for the purpose of getting better quality products from processing.

such as tomato, chilli and cabbage. He said the application of 10g *Trichoderma* per kilogram of seed for the control of diseases of redgram, cotton, chickpea and groundnut crops.

Dr. Prince G., Soil Scientist advised that the application of fertilizers prior to sowing should be based on soil testing. Then, if there is a shortage of nutrients in the crops, spraying of water-soluble fertilizers to the crops can alleviate the nutrient deficiency. The cotton crop grown in the summer is characterized by the presence of foliage. Water-soluble potassium nitrate (1g/L) should be sprayed. Veterinary Scientist, Dr. Mahesh Kadagi elaborated on the vaccine for sheep's health.



Mr. Dilleppa Nagappa, a progressive farmer, Sri. Honnappa Bha Goudru, Sri. Bhirappa Ma Erekuppi, Sri. Kariyappa Ka Beera, Sri. Ningappa He Badappalava and others participated.

Dr. Santhosha, H.M, Scientist (Horticulture) gave introduction about various products prepared from unripe and ripe mango fruits and mango processing. Preparation of products like pickle and chutney is a traditional activity which are now also prepared and consumed by most of the houses in villages. Since this fruit is available only during 3 to 4 months in a year (May to July in Karnataka), the processing has to be done to utilize the fruit during off season. It can be sold also to others and the small scale industry can be started after assessing the market. Later, Dr. Thippanna, Assistant Professor and Scientist



Miss. Praja of College of Horticulture Engineering, Devihosur, gave practical training about mango jam and squash preparation using easily available, home grown mango fruits and their preservation. Later progressive farm women Prema Raval, expressed her opinion about helpfulness of training programme. The training was benefited by 23 farm women of the village.

ICAR- Krishi Vigyan Kendra, Idukki

Capacity Building Programme and Farmer-Scientist Interaction for SC Farmers from Malappuram District

ICAR- Krishi Vigyan Kendra, Idukki conducted capacity building programme for SC farmers from Malappuram District on 23.05.2022 under the sponsorship of State wide SCSP training programme of Government of Kerala. Thirty SC farmers were coordinated to Krishi Vigyan Kendra, Idukki for the purpose of exposure visit cum capacity building programme by ADA, Malappuram. The programme covered many topics like integrated nutrient management, integrated pest disease management, mushroom cultivation and organic cultivation of vegetables by Ms. Manju Jincy Varghese, SMS (Soil Science), Mr. Sudhakar



Soundarajan, SMS (Plant Protection), Ms. Ashiba A., SMS (Agronomy), and Smt. Rachel Skariakutty, Programme Assistant (Rural Craft) of KVK, respectively.

The farmers were made aware on different aspects of cultivation in variety of topics. The farmers received a chance to visit the various demo units of KVK. After the capacity development programme, a farmer-scientist interaction was organized for the farmers to get their doubts clarified and to discuss the major problems that they face.



ICAR- Krishi Vigyan Kendra, Kannur

Panchayat Level inauguration of NICRA at Chengalayi

Panchayat level inauguration of NICRA project of KVK Kannur was conducted at Chengalayi on 16th May 2022. Sri. Sajeew Joseph, MLA, Irikkur has inaugurated NICRA Project along with “Njangalum Krishiyilekku” programme of state government in a function chaired by Sri. V. P. Mohanan, President, Chengalayi Grama panchayat. Smt. Amitha Sissil, Agricultural Officer, Chengalayi Panchayat welcomed the gathering. Dr. Jayaraj P., Programme Coordinator has given a key note address and brief description of activities planned under NICRA project. Advocate K. K. Rathnakumari, Standing Committee Chairperson, District Panchayat,



Capacity Development Training for Board of Directors of ESAF FPOs

One day training programme for capacity development of board of Directors of newly formed FPOs was conducted at ICAR KVK Kannur on 26th May 2022 in collaboration with ESAF. The Welcome was offered by the State

Kannur has felicitated veteran farmers in Panchayat. Participatory Rural Appraisal (P R A)



under NICRA project was inaugurated by Sri. C. M. Krishnan, Block Panchayat President, Thaliparamba.

Smt. K. M. Sobhana Teacher, Vice President, Chengalayi Grama Panchayath has inaugurated distribution of planting materials. A garden tiller was handed over to Karmma Sena of Chengalayi Grama Panchayath by Sri. A. Janardhanan, Standing Committee Chairman, Chengalayi Panchayat as part of the project. A two day exhibition was also organized from 16th May to 17th May as part of the inauguration programme. Farmers, Farmer Producer Organizations (FPOs), dealers of farm implements etc. were participated in the exhibition with their agricultural products including bioinputs, planting materials, value added products and farm implements. Smt. Renisha J. M., Assistant Professor (Horticulture), Dr. Manju K. P., Assistant Professor (Entomology) and Dr. Parvathy A., Assistant Professor (Agricultural Extension) participated in the event.

Head of FPO Projects, Sri. Roy V.S and Presidential address was delivered by Sri. Raghunathan Pillai, CBBO Head.

Dr. Jayaraj P. inaugurated the training and in his inaugural address, he shared the experiences, which he came across while performing as a POPI personal for developing 3 FPOs under NABARD in the earlier segment. He ascertained that there is no short cut or magic except hard work for converting the

newly formed FPOs into successful ones. A felicitation address was given by Sri. Janardhan, CEO of Mayyil Rice FPC. He threw light on the aspects of roles and responsibilities of the BODs in the Governance of the FPOs. After the introductory session, a class was delivered by Dr. P. Jayaraj on the relevance of collective action for community mobilization, relevance of leadership and effective communication strategy.

One session on conflict management was handled by Sri. Roy V.S., Retired Joint Director of Agriculture and State Head of FPO projects of ESAF. In the afternoon session, Sri. Reghunathan Pillai CBBO head, explained about the access to finance: finance for FPOs. He in detail explained about the sources of finance for the FPOs. An important session on business processes and business plan and project management was handled by Sri. V.N. Babu, Faculty Member, Institute of Co-operative Management, Parassini kkadavu. Training was attended by BOD members of Mala and Kuttippuram FPCs.



ICAR- Krishi Vigyan Kendra, Kasaragod

ASCI Mushroom Growers' Training Beneficiary Ventures into Spawn Production Enterprise - A success story

It was in 2020-21 that ICAR Krishi Vigyan Kendra Kasaragod organized the Mushroom Growers' Training Programme under the sponsorship of Agricultural Skill Council of India. The on campus training was on vocational mode with duration of 21 days. There was a participation of 9 men and 9 women during the training in which every minute detail of mushroom cultivation and spawn production was dealt with by expert resource persons. The topics covered

included substrate preparation, bed preparation, maintenance of unit, harvesting, value addition of mushrooms including dehydration, pickling and mushroom soup powder preparation. Soon after the training, 3 women participants Smt. Radha, Smt. Sharada and Smt. Sumati had ventured into start up mushroom cultivation units at home scale in their own residences. All the three found it a very big success earning an additional income of Rs. 20000 annually. Now as an advanced achievement, Smt. Radha had moved a step ahead and has started a spawn production unit at her own residence by the name Asci Keerthi. Asci Keerthi is located in Chengala panchayat of Kasaragod district. Spawn of oyster mushroom will be produced here at the rate of Rs. 200 per kilogram.

This is indeed a great moment for ICAR KVK Kasaragod to cherish. Smt. Radha got financial assistance from the State Horticultural Mission. The machineries procured for starting the unit were autoclave, bod, laminar airflow chamber, refrigerator, air conditioning unit and 5 metal racks. The unit has a potential to produce 500 kg of spawn per month. The total expenditure incurred to start the unit is Rs. 550000. Availability of quality mushroom spawn being the major constraint in the mushroom cultivation sector, let us hope that 'Asci Keerthi' meets the demand and flourishes high justifying its name. Other than spawn, mushrooms - both oyster and milky - will be available for sale at Keerthi at the rate of Rs. 400/kg. With the funding from the gram panchayat, Smt. Radha is planning to start a value addition enterprise from mushroom soon.

ICAR Krishi Vigyan Kendra - Kodagu

Organic farming seminar

A Seminar on organic farming was held at KVK on 21st May 2022. Dr. N. Devakumar, Director of Extension, UAS, Bengaluru has participated as a resource person and interacted with the input dealers and farmers. Totally 60 farmers participated in the event. Later a field visit was arranged to field of organic farmer Mr. B. Ravi at Bittangala Village, Virajpet Taluk.



Group meeting for OFT Tribal Farmers

A group meeting of OFT paddy farmers was conducted on 23rd May 2022 at KVK Gonikoppal. The scientists explained about the characteristics of the paddy varieties namely KHP-11 and IET-24451, which will be taken up under the OFT. The benchmark data regarding existing practices and yield level was also collected from the farmers during the meeting. All the participating farmers were tribal farmers from the village of Thithimathi, Ayursuruli Haadi of Virajpet taluk.



Training programme on Oyster Mushroom cultivation

A training programme on oyster mushroom cultivation was organized at Hathur Village on 23rd may 2022 in collaboration with ODP/Nesara Farmers Producers Group. A talk was given on facilities available for farmers at KVK and importance of mushroom in integrated farming system. Smt. Rashmi Bhanuprakash, KVK mushroom trainee cum entrepreneur conducted the method demonstration of mushroom production to the gathered 40 participants. The Programmewas organized by ODO(NGO). The Programme was inaugurated by Sri.Ganapathy, Member, Gram Panchayath. In the programme, Smt. John, Joicy Meneges, District Co-ordinators and Smt. Reeta Joseph, Animator of ODP -NGO were present.



Anti-Rabies vaccination campaign

Anti-rabies vaccination campaign was held at Krishi Vigyan Kendra, Gonikoppal in collaboration with department of veterinary and animal husbandry on 26/05/2022. A total of 104 dogs were vaccinated during the campaign and SMS (A&VH) also created awareness about symptoms and causes of rabies and preventive measures to be taken during daily life. The general public requested for more such vaccination camps/programme in future too.

ICAR - Krishi Vigyan Kendra, Kolar

Off campus capacity development programme and method demonstration on use of drones in agriculture

ICAR-KVK Kolar and Rashtriya Chemicals and Fertilizers Limited, Bengaluru jointly organized capacity development programme and conducted method demonstration on use of drones in agriculture and demonstrated foliar spray of 19:19:19 and micronutrients to tomato crop at Thoorandalhalli village Kolar on 16.05.2022. Around 100 farmers benefitted by the programme.



Off campus capacity development programme on integrated nutrient management in Tomato.

ICAR-KVK, Kolar in collaboration with Sehgal Foundation conducted off campus capacity development programmes to educate farmers about good agronomic practices on tomato. The programmes were organized at various places of the district. In this regard, programmes at Bhudikote village, Bangarpet Taluk and Kamasamudra Hobli on 17th and 18th May, 2022 respectively were organized. The farmers were sensitized about, integrated nutrient management in tomato, good agronomic practices on tomato, integrated pest and disease management in tomato and crop production technology of tomato by KVK Scientists. A total of 145 farmers were benefitted by the programme.



Celebration of World Honey Bee Day

KVK Kolar celebrated World honey bee day on 20.05.2022 at KVK, Kolar. Assistant Professor (Entomology), COH, Kolar delivered lecture on “scientific bee cultivation” and Scientist (Home Science) delivered lecture on “value addition of honey”. Around 40 farmers were benefitted by the programme.

On campus capacity development programme on "Scientific cultivation of mushroom and their value addition".

ICAR-KVK Kolar and Sehgal foundation jointly organized capacity development programme on "scientific cultivation of mushroom and their value addition". Assistant Director of Horticulture, Bengaluru has delivered lecture on “Scientific cultivation of Mushroom” and Scientist (Home Science) has delivered lecture on “Mushroom processing and their value addition” at ICAR-KVK Kolar on 19.05.2022. Around 65 women farmers had



Off campus capacity building programme on fodder crops cultivation and fodder seeds distribution under SCSP programme

ICAR - IGFRI Dharwad and KVK Kolar jointly organized capacity building programme on “fodder crops cultivation and fodder seeds distribution under SCSP programme” at Vittappanahalli and Belaganahalli villages of Kolar taluk on 20.05.2022.

Dr. B.G.Shivakumar, Principal Scientist, ICAR- IGFRI Dharwad explained about fodder crop cultivation and management. Scientist (Sericulture) and Scientist (Soil Science) from KVK Kolar have briefed on SCSP programme to the participants. Sri Ramesh and Sri Shivashankar, Taluk and District Coordinators, DHAN foundation Kolar also participated in the programme. Around 100 dairy farmers were participated and benefitted by the programme.



Live telecast programme of 'Garib Kalyan Sammelan'

ICAR- KVK, Kolar organized Live telecast programme of 'Garib Kalyan Sammelan' by Honourable Prime Minister Sri. Narendra Modi on 31.05.2022 at KVK, Kolar and Ranga Mandir, Kolar in collaboration with district administration. Honorable Member of Parliament, Sri S. Muniswamy, Kolar, Sri. Venkata Raja, Deputy Commissioner, Kolar, Sri. Ukesh Kumar, CEO, Zilla panchayat, Kolar, D. Roopa Devi, Joint Director of Agriculture, Kolar and other District Officers had participated in the programme at Ranga Mandir, Kolar and at KVK, Kolar campus. Scientist (Sericulture) delivered lecture on Swachata mission (composting techniques in sericulture), Scientist (Home Science) gave information on One District One Product



(ODOP), SMS (Agromet) delivered lecture on weather based applications in agriculture, Pankaja, Deputy Director, Kolar gave information of various departmental schemes in agriculture. A total 450 farmers at Ranga mandira, Kolar and 60 farmers at KVK Kolar campus had participated in the programme.



ICAR-Krishi Vigyan Kendra, Kollam

'Thila Gramam' in Onattukara regions of Kollam District for sustainable production of Sesamum



Sesamum indicum is one of the oldest crops which is being cultivated over three decades ago for its edible seeds. The seeds contain 45-60 % oil which is a major ingredient in many foods and ayurvedic oil preparations. These seeds are also highly nutritious. India is the world's leading sesamum producer. It is traditionally cultivated in the Onattukara regions of Kollam and Alappuzha District. The lack of scientific agro techniques and suitable varieties are the main factors causing low productivity in the region. In this regard, the Kendra has carried out Cluster Frontline Demonstration in Sesamum under the NMOOP programme 2021-22, encompassing



a total area of 20 ha (100 demonstrations) in the Onattukara regions of Kollam district (Ochira, Clappana, Thazhava, Thodiyoor) during the summer season. The technology demonstrated was integrated crop management in sesamum with variety TMV-7.

Farmers who took part in the project were offered need-based capacity development programmes on scientific sesamum cultivation and processing in order to improve their knowledge. The KVK team made numerous field visits to ensure that the programme was constantly monitored which enabled to increase the yield gain of 58.91 percent over check. The demonstrations with suitable techniques outperformed the farmer practice. During the unexpected summer rains, some farmers lost their crops. Field days were held to disseminate technology to neighboring Panchayaths which was attended by approximately 75 people. The FLD demonstrated that combining high-yielding varieties with improved agricultural production technologies can significantly boost sesamum productivity.



ICAR - Krishi Vigyan Kendra, Koppal



Celebration of world bee day

ICAR Krishi Vigyan Kendra Koppal organized World Bee Day on 20 May to raise awareness of the importance of bees as pollinators, the threats they face and their contribution to sustainable development. This year, the theme is Bee Engaged: Celebrating the diversity of bees and beekeeping systems. Sri Sridhar, honourable board member, UAS Raichur, inaugurated the programme by lighting the lamps.

In the inaugural speech he said that beekeeping is a very important endeavour for farmers and farming community. Other than the valuable products like honey, wax, pollen etc. obtained from the bees, it has a huge potential in creating different opportunities for self-employment and livelihood security through preparation of bee boxes and different implements related to this occupation. He also told that honey bees play very important role in the production potential of different crops as the bees are very useful pollinators. Dr.



Mastan Reddy Special officer, COA, Gangavathi suggested to the farmers that it is essential to learn about the self-employment generation for sustainable livelihood through entrepreneurship in bee keeping like processing, packaging and marketing of honey, fruits and other similar products.

Dr. Ragvendra Yaligar, Senior Scientist and Head, ICAR KVK Koppal discussed in detail about the importance of World Bee Day 2021 and beekeeping for doubling farmers income. The focus of his discussion was on increasing the production and productivity of honey and its by products. He also highlighted that packaging and marketing is playing a greater role in marketing of honey. Dr. Bhadariprasad, Assistant. Professor (Entomology) explained in detail about different types of bee keeping. Dr. Jyothi R. Scientist (Horticulture) explained in detail about the role of beekeeping in increasing



horticulture production and productivity. Dr. Kavitha Y. Ullikashi, Scientist (Home Science) explained about the medicinal, nutritional importance, processing and value addition of honey. Sri. Anil Kumar progressive farmer, Basapatna village, Gangavathi shared their experiences beekeeping and marketing. About 60 farmers and farm women were participated in this programme.



Celebration of kharif seed day programme

ICAR KVK Gangavathi, Agriculture Research Station Gangavathi along with department of agriculture Koppal organized kharif seed day programme in KVK premises on 25/5/2022. Sri Sridhar honourable board member, UAS Raichur, inaugurated the programme by lighting the lamps. In the inaugural speech he encouraged the farmers those who are involved in seed production and he recommended the suitable varieties released from UAS, Raichur, especially in pulses and paddy for the benefit of farmers. Dr. Ragendra Yaligar Senior Scientist briefed the kvk seed production programmes.

Dr. Mastan Reddy Special Officer, COA, Gangavathi explained in details about paddy seed production. Dr. Mahanthshivayogayya, Scientist (Genetics and Breeding), ACRIP Rice explained in detail about paddy varieties released by the ARS, Gangavathi, Smt. Radha J., Scientist (Seed Science and Technology) demonstrated the seed treatment methods to the farmers. Sri. Santosh Pattadkall Assistant Director Agriculture, Gangavathi explained about the government programmes for farmers. The exhibition and demonstrations were arranged regarding quality seed productions, seed treatment, seed quality enhancement and seed storage techniques. About 60 farmers were present in the programme.

Training on transformative, agriculture technology, mobile and smart farming

NABARD, Public Affairs Foundation, Bangalore in association with ICAR KVK Gangavathi conducted one day training programme on transformative, agriculture technology, mobile and smart farming on 21-5-2022 in KVK Premises. Programme was inaugurated by Dr. Chnadrashakar Nadagouda Assistant Director. DATC, Vadrhatti and he briefed different agriculture programmes for farmers and also urged them to adopt smart agriculture to get higher production and income. Dr. Dr. Mastan Reddy, Special Officer, COA, Gangavathi explained in detail about different modern agriculture technologies and encouraged the farmers to adopt them.



Dr. Ragendra Yaligar, Senior Scientist briefed about the drone technology used in agriculture. Smt. Indra Pichumani, Programme Organizer explained in detail about different mobile application used in agriculture. Resource persons Smt. K.B.Sngeeta R., Srinivas and Sri. Nagaraj have given hands on training to farmer and farm women regarding different agriculture apps. About 42 farmers and farm women were present in the programme.

ICAR - Krishi Vigyan Kendra, Kottayam

KVK Kottayam promotes entrepreneurship development in value added food products



KVK Kottayam organized five days capacity building programme on value added milk and fish products from 17-05-22 to 21-05-22. The main focus of the capacity building programme was to initiate homestead value addition units making use of low cost inputs. For profitable dairy farming, milk has to be converted to value added dairy products. Similarly, for profitable aqua farming, the surplus fish and seasonally abundant fish resources have to be converted to value added fish products. The technical support for the training programme was given by Central Institute of Fisheries Technology, Cochin and Department of Dairy Development, Government of Kerala.

The training programme included the production of milk burfi and peda, paneer, curd, gulab jamun, milk chocolate, chana spread and whey drink and technology demonstration of dried fish products, Battered and breaded Tilapia fish cutlet, tilapia fish fingers and Prawn fritters, seasonally abundant low cost river fish and clam pickle. The trainers were also enlightened with

Packing, labeling and market strategies. Twenty five men and women entrepreneurs from different parts of Kerala attended the programme.

ICAR-KVK Kottayam organized three day capacity building programme on “value addition and entrepreneurship opportunities in nutmeg rind” from 26.05.2022 to 28.05.2022. Value added products from nutmeg rind fetched good demand among consumers owing to its nutritional-medicinal properties and variety in taste and preparations. KVK Kottayam has developed 12 novel products under the state plan project “Setting up of value addition unit of Nutmeg and Jack for entrepreneurship development of women SHGs in Kottayam district” from nutmeg rind and these were demonstrated in the training. Hands on training



was given in preparation of nutmeg rind squash, syrup, nutmeg rind- pineapple jam, jelly, chunks, bar, tutti frutti, tea bag, mouth freshener, pickle, halwa etc. Also sessions were conducted on “Licensing and registration for new entrepreneurs, FSSAI registration for micro, small and medium entrepreneurs” and “Packaging and labeling of foods”. Participants from Kottayam, Idukki, Ernakulam, Alappuzha and Kannur attended the training.



ICAR - Krishi Vigyan Kendra, Malappuram

Institute level inauguration of state campaign “Njangalum krishiyilekku”

The institute level inauguration of state campaign "njangalum krishiyilekku" of KVK Malappuram was done by Sri. Mnajalankuzhi Ali, Hon. MLA, Mankada constituency. The campaign aims to bring the community to farming to achieve self-sufficiency in vegetable cultivation and ensure safe food. The kits of seedlings and other agricultural inputs were distributed to farmers, ICDS representative etc. in the event. Three leaflets published by KVK Malappuram on vegetable cultivation, ginger cultivation, value addition and entrepreneurship in jack fruit were released in the event.



Jack Fest 2022

The KVK organized jack fest in order to evolve an innovation platform for various stakeholders involved in jack fruit processing. The jack fest was organized at Puzhakattiri Panchayat of Malappuram with the help of Puzhakattiri grama panchayat and Krishibhavan. An exhibition on jack products and rural enterprises was conducted. The programme was attended by more than 5000 farmers. A practical demonstration on various products from jackfruit, familiarization of jackfruit processing equipments also was conducted.

The Panchayath distributed Vietnam early jack fruit variety in more than 10,000 households in the Panchayat.



District level programme of “Garib Kalyan Sammelan”

KVK Malappuram conducted district level programme of “Garib Kalyan Sammelan” at Tavanur on 31.05.2022. The inauguration the 11th installment of PM Kisan Samman Nidhi by Hon. Prime Minister was showcased online at KVK. The district level programme was inaugurated by Sri. K. Narayanan Master, Vice Chairman of Coconut Development Board in the event presided over by Sri. P. K. Abdul Jabbar, Assistant Professor, KVK Malappuram.

In connection with the event, a farmers' meet was conducted where the new technologies of Kerala Agricultural University in different spheres were familiarised and the farmers' innovation were showcased during the event.



ICAR - Krishi Vigyan Kendra, Mandya

Skill development training programme for rural youth (STRY)

Skill development training programme for rural youth (STRY) on “improved mulberry cultivation and silkworm rearing technologies” from 16.05.2022 to 21.05.2022 sponsored by MANAGE Hyderabad conducted at KVK V.C. Farm, Mandya. During the inaugural programme, Dr. Naresh N.T., Senior Scientist and Head, KVK, Mandya chaired the programme and enlighten about the importance of skill development programme particularly in sericulture for rural youths. Dr. C. Doreswamy, Professor of Sericulture, College of Agriculture, Chamarajanagara, delivered speech on mechanization in sericulture and integrated farming system.



During the training programme Dr. Chandrashekar S. Kallimani, Scientist, KVK, Chamarajanagar, given the information on value addition in sericulture, Dr. D. Guruswamy Scientist-D, CSB, REC, Maddur, delivered lecture on organic farming and management of pest and disease in mulberry, Dr. M. Raju, Professor of Sericulture, CoA, V.C. Farm, Mandya, explained about improved silkworm rearing practices and scientific way of disinfection of silkworm rearing house. Dr. Prakash B.K., Scientist, Sericulture given information on mulberry nursery maintenance and tree mulberry cultivation.

Dr. Mahesha H.M., Programme Assistant, gave information on use of different kinds of Mountages and their importance in silkworm mounting. The training programme was concluded on 21.05.2022. Fifteen youth farmers/farm women from Mandya District witnessed and gained the knowledge on advanced technologies in sericulture during the training programme.



ICAR JSS Krishi Vigyan Kendra, Mysuru

Diagnostic Field Visit

Diagnostic field visit was conducted by agriculture expert team of Mysuru district in the programme of Krushi Sanjeevini on 25-05-2022, in this programme Dr. Vinay G. M., Scientist (Horticulture) and other experts from agriculture and horticulture department of Mysuru visited onion, ginger, coconut, banana and tomato plots at Sinduvalli, Yelachanagere and Kugaluru villages of Nanjungud taluk and suggested to follow the INM and IPDM to get good yield and income.



Visit to KVK Dharwad and Mango nursery at Thergavi

Dr. Vinay G. M., Scientist, KVK, Rajanna G. J., Programme Assistant and Gangappa Hipparagi, Farm Manager visited Dharwad KVK on 27-05-2022 to know the activities of KVK and discussed with Dr. A. V. Biradar, KVK Head.

Also visited soil science lab of KVK to learn about the new methods of analyzing the soil samples, later visited Mango grafts nursery at Thergavi village near Dharwad to know the method of preparations of commercial quality mango grafts and also to buy Grafts to KVK.



Training on Nutri Garden and World Honey bee day celebration

On 20th May 2022, ICAR JSS KVK Suttur organized training programme on nutri garden establishment for nutritional security of the rural households under Nutri garden programme and celebrated the World Honey bee day at Harathale village of Nanjanagudu taluk. Thirty women were participated in the programme. Mrs. Netravati Yattinamani, Scientist (Home Science) explained about the importance of vegetables and fruits in improving health, vegetables cultivation and compost making, details of vegetables which can be grown in nutri garden and also explained about importance of honey and bee keeping in improving crop yield. After the training, interacted with school and Anganawadi teachers regarding establishment of nutri garden at school and Anganawadi.



ICAR - Krishi Vigyan Kendra, Palakkad

“Njangalum Krishiyilekku” Campaign Inauguration at KVK Palakkad



“Njangalum Krishiyilekku” a flagship programme of the state government to instill interest in agriculture among people was inaugurated at KVK Palakkad. The programme puts forward the idea of farming in small spaces, such as vegetable cultivation, rooftop farming and vegetable gardens in every households of the state. It also aims to bring all sectors of people into farming. Smt. O. Lakshmikutty, Pattambi Municipal Chairperson inaugurated the programme by sowing vegetable seeds in pro trays. The programme was presided by Dr. Raji P., ADR RARS Pattambi and addressed by Dr. Abdul Hakkim, Professor RARS Pattambi.

A kit consisting of vegetable seeds and bio inputs were distributed to farmers, students and office staffs. The programme also witnessed the inauguration of self-help group Nithya Haritha Karmasena formed under the SHM project by initiating seedling production under KVK for distribution of planting material under one crore fruit tree seedlings programme. Capacity building programme on soil and water conservation was given to interested farmers on the same day.

Capacity building programme for Mango farmers



Muthalamada known as mango city of Kerala has lost its glory as the yield of mangoes had dropped due to several factors such as unscientific cultivation practices, erratic rainfall followed by flower drop, pest and disease incidence. A capacity building programme was conducted jointly by Krishi Vigyan Kendra, Palakkad; College of Agriculture, Vellanikkara; Regional Agricultural Research Station, Pattambi; and Department of Agriculture and farmers welfare for giving awareness about the need for scientific mango cultivation, giving more emphasis to scientific pruning and proper nutrition for mango.





Dr. P. Raji, Associate Director of Research, Regional Agricultural Research Station, inaugurated the training programme. Smt. C. Aswathy, Agricultural Officer, chaired the function. Dr. K.V. Sumiya, Programme coordinator, KVK Palakkad and Dr. Resmi J., addressed the farmers. A session on scientific pruning was handled by Dr. H.C.Vikram, Assistant Professor, College of Agriculture, Vellanikkara. Dr. P.P. Moosa, Associate Professor, Soil Science, RARS, Pattambi discussed the way in which soil test based fertilizer application with the farmers. Sri.

E.M. Babu, Retd. Assistant Director of Agriculture conducted a hand on training on scientific pruning method as part of this programme. A total of 70 farmers

ICAR-Krishi Vigyan Kendra, Pathanamthitta

Scientist-people representative interface organized for cluster villages

KVK as part of Participatory Rural Appraisal programme, for identification of problems and prioritizing the same for formulating suitable interventions organized scientist people representative interface at KVK on 26th May 2022. People representatives from selected seven panchayats of Mallappally block in the district participated in the programme. Ms. Bindu Chandramohan,

President, Mallappally block inaugurated the programme and the programme was presided over by Ms. Reemy Litty, Vice President, Mallappally Block. Dr. C.P. Robert, Senior Scientist and Head, KVK, Pathanamthitta in his introductory remarks oriented the participants regarding various successful interventions in agriculture and allied sectors promoted by KVK in the district. The people representatives discussed about the problems faced by the farmers in the cluster villages and the possible interventions for solving the same. Scientists of KVK highlighted about various successful technologies in their discipline, which could be promoted to solve the location specific problems. This interface paved way for formulation of interventions for the cluster villages.



Livelihood Enhancement Training on Plant Nursery Management

Livelihood enhancement training on plant nursery management sponsored by Kerala State Biodiversity Board, under the project “Pampa Riverine Biodiversity Rejuvenation Project” sanctioned under the Rebuild Kerala Initiative was conducted by ICAR-KVK Pathanamthitta from 19.04.2022 to 22.04.2022. The training was inaugurated by Dr. C. George Thomas, Chairman, KSBB on 19.4.2022.

The fully residential training imparted nursery management and plant propagation skills to the 10 participants belonging to the Ranni-Perunad Grama Panchayath of the district through theory and practical sessions on topics viz. potting mixture preparation, plant propagation using cuttings, layering, grafting and budding, pro-tray vegetable seedling production, management of pepper, coconut, jackfruit and rambutan nursery, disease and pest management in nursery and nursery record keeping



ICAR-Krishi Vigyan Kendra, Ramanagara

Soil Health Abhiyan

KVK Ramanagara conducted “Soil Health Abhiyan” at Pemmanahalli village, Magadi Taluk and Bannikuppe village, Ramanagara taluk to give awareness to farmers on importance of soil health card which provides nutrient status of soil along with prescription about balanced use of fertilizer to maintain good soil health. During this programme, Dr. Preethu, Scientist(Soil Science) demonstrated the soil sampling method at farmers field and highlighted the importance of balanced use of fertilizers based on soil health card recommendation.



She also emphasized on use of both inorganic and organic source of plant nutrients and judicious use of chemical fertilizers. Other scientists of KVK briefed about water and agriculture waste management, improved cultivation practices of Ragi and Redgram, pest and disease management, use of different weather based app, IFS and nutrigarden for health of farming community. ATMA staff and more than 60 farmers/farm women were benefited by this programme.



ICAR - Krishi Vigyan Kendra, Shivamogga

Garib Kalyan Sammelan Programme

ICAR-Krishi Vigyan Kendra, KSNUAHS, Shivamogga organized live telecast programme on Prime Minister Garib Kalyan Sammelan on 31st May, 2022. Dr. Ashok M., Senior Scientist and Head (i/c), KVK, Shivamogga has given the primacy address on Garib Kalyan Sammelan. The programme was attended by Honorable Member of Parliament, Shivamogga Sri. B.Y. Raghavendra and given brief and detailed information on various Central Government poverty uplifting programmes and their cause in developing economic status of marginal farmers and people of India. At 11.00 am the programme linked with the national event where Honorable Prime Minister directly interacted with the Garib Kalyan Yojane beneficiaries of the country. Honorable Prime Minister also released the 11th installment of Kisan Samman Nidhi.

In the programme Prime Minister highlighted the people centric approach scheme leading to ease of living of citizen but also enlighten the government on the aspiration of the people and ensure that no one is left behind in the nations march to progress. In the programme Sri. D.S. Arun, MLC, Shivamogga, Honorable Vice Chancellor Dr. M. Hanumantappa, KSNUAHS, Shivamogga, Director of Research, Dr. Mrunthunjaya Wali, Director of Extension Dr. Hemla Naik, Dr. R.C. Jagadeesh, Dean (Agri.), College of Agriculture, KSNUAHS Board Member Sri. Veerabhadrapa Poojari and Sri. Nagaraj and other elected dignitaries of district were also participated as guests. In the programme totally 252 farmers, farm women, rural youth, students and teaching and non-teaching staff of KSNUAHS were participated.



ICAR - Krishi Vigyan Kendra, Thrissur

'NjungalumKrishiyilekku' Station wise launch



ICAR-KrishiVigyan Kendra Thrissur, conducted the station level inauguration of 'Njungalum Krishiyilekku', programme on 25th May 2022, which aims to bring the people of all walks of life into agriculture. Dr. Jayasree Krishnankutty, Director of Extension, KAU, presided over the function, and Dr. Suma Nair, Programme Coordinator, KVK Thrissur, welcomed the gathering. The programme was inaugurated by the noted film director, script writer and lyricist Sri. Sathyan Anthikkad, by sowing vegetable seeds in a model vegetable plot of 2.5 acres. He also released the leaflets providing information on various agricultural operations to be carried out for efficient vegetable production.

Visit by SC farmers to KVK Thrissur

About 42 SC farmers of Anthikkad Block of Thrissur district visited KVK, Thrissur as part of the ATMA district level training programme. Dr. Deepa James, Assistant Professor (Plant Protection), Dr. Aneena E.R, Associate Professor (Community Science), Sri. Anoop Krishnan, Assistant Professor (Horticulture) and



Mr. Sunny Chennikkara, Vice President, Madakathara Grama Panchayath, inaugurated the Model Vegetable Plots of KVK Staff, under the project 'Njungalum Krishiyilekku'. Mr. Prashanth, Chairman, Standing Committee for Developmental Activities, Madakathara Grama Panchayath, Dr. A. Latha, Professor and Head, Agricultural Research Station, Mannuthy and Mrs. Satya Varma, Assistant Director of Agriculture, Ollukkara Block addressed the gathering.



Smt. Neeraja C.R., Assistant Professor (Agronomy) conducted classes on pest and disease control in vegetables, organic vegetable cultivation, organic fertilizer production, nutrition safety and integrated farming. Organic kits were also distributed to the famers.



ICAR - Krishi Vigyan Kendra, Thiruvananthapuram

Kisan Mela 2022

ICAR Krishi Vigyan Kendra, Mitraniketan jointly with ATMA Thiruvananthapuram organized Kisan Mela 2022 in connection with Azadi ka Amrit Maholsav *Kisan Bhagidari Prathmikta Hamari* campaign on 26th April 2022 at Mitraniketan City Centre West Fort Trivandrum. The inaugural function of the Kisan Mela was presided over by Sri. Antony Raju, Honorable Minister for Transport and the inauguration was done by Sri. G.R. Anil, Honorable Minister for Civil Supplies of Kerala State. Seven progressive farmers of the district where honored during the inaugural function.

Welcome address was delivered by Sri. Rajeswari S.R., Project Director, ATMA Thiruvananthapuram and felicitation addresses was delivered by Kum. Arya Rajendran Honorable Mayor Thiruvananthapuram Corporation, Sri. Baiju S. Simon, Principal Agriculture Officer, Thiruvananthapuram, Sri. P. Padmakumar, Counselor Perundani Ward, Smt. Sushama S., Additional Director of Extension, Smt. Jayarani L.S., Deputy Director NWDPR, Smt. Sreelatha S., Deputy Director Credit, Dr. Reghu Rama Das, Joint Director, Mitraniketan. Smt. Sheena T.C., Deputy Project Director ATMA, Thiruvananthapuram delivered vote of thanks.

An exhibition was organized in connection with the Kisan Mela where latest agriculture for farmers. Several women self help groups participated in the exhibition with their products. About 300 farmers and 75 agriculture extension officials participated in the Kisan Mela. Seminars and farmer scientist interface were also arranged in connection with the Kisan Mela 2022.



ICAR - Krishi Vigyan Kendra, Uduppi

Celebration of First National Lac Insect Day



Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Indian Council of Agricultural Research New Delhi, ICAR Krishi Vigyan

State Level Jack Fair - 2022

Bommarabettu Gram Panchayath, Hiriyaadka, Zonal Agricultural and Horticultural Research Station and ICAR-Krishi Vigyan Kendra Brahmavar, Karnataka State Department of Horticulture, Udupi, Udupi Zilla Krishika Sangha, Udupi, Sri. Kshetra Dharmastala Gramabivridhi Yojana, Palli Srinivasa Hegde Charitable Trust, Hiriyaadka, Navyodaya Friends Club and Kotrakatte Friends Circle, Hiriyaadka have jointly organized two days State level jack fair-2022 at Hiriyaadka on 28.05.2022 and 29.05.2022. Sri. Jayaprakash Hegde, Chairperson of Backward Class Commission, Govt. of Karnataka has inaugurated Exhibition, Sri. Vinaykumar Sorake, Ex-Minister, Govt. of

Kendra, Brahmavar has celebrated productive insect week and First National Lac Insect Day on 16th May 2022. Dr. Lakshmana, Associate Director of Research, Zonal Agricultural and Horticultural Research Station Brahmavar, inaugurated the programme. In his inaugural speech, he has explained about importance of Lac insects and products prepared from Lac.

Dr. B. Dhananjaya, Senior Scientist and Head, ICAR-Krishi Vigyan Kendra, Brahmavar chaired the function and in his presidential speech, he explained about Lac insects, its importance and methods of Lac culture. Dr. Sudhir Kamath K. V., Principal Agriculture Diploma College, Brahmavar and Dr. Revanna Ramannanavar, Associate Professor, Department of Agri. Entomology, ZAHRS, Brahmavar were chief guests of the programme and addressed the gatherings about importance of Lac cultivation. Dr. Sachin U. S., Scientist (Plant Protection), ICAR-KVK Brahmavar co-ordinated the programme.



Karnataka has inaugurated the programme by lighting the lamp and cutting jack fruit. Dr. B Hemla Naik, Director of Extension, KSNUAHS, Shivamogga has released technical folder related to Jack fruit cultivation. Dr. Mruthyunjaya C. Wali, Director of Research, KSNUAHS felicitated 13

progressive farmers. Sri. Suresh Nayak, President Grama Panchayath, Bommarabettu was presided over the function.



Sri. Kulliyadi Suresh Nayak, President, Karnataka State Bus Owners Association (Reg) Bengaluru, Dr. D. Chandrashekar Chauta, Progressive farmer, Miapadavu, Manjeshwara, Kasargod, Palli Nataraj Hegde, Bussinessman, Hiriyaadka, Sri.. Narasimha Kamath, President, Navyodaya Friends Club, Hiriyaadka, Sri. Devadas Marate, President, Kotnakatte Friends Circle, Hiriyaadka, Sri. B. Ashok Kumar Shetty, President, Raithara Sahakari Sangha Ltd., Hiriyaadka, Smt. Latha S., Vice-president, Grama Panchayath Bommarabettu, Dr. G. S. K., Swamy, Professor



(Fruit Science), College of Horticulture, Bengaluru, Smt. Bhuvaneshwari, DDH, Dept. of Horticulture, Udupi, Sri. Bantakallu Sharma, President, Udupi district, Krishika



Sangha, Udupi were chief guests of the programme.

Dr. M. Hanumanthappa, Vice-Chancellor, KSNUAHS, Shivamogga briefed about the programme. Dr. Lakshmana, Associate Director of Research, ZAHRS, Brahmavar welcomed the gathering. Dr. B. Dhananjaya, Senior Scientist and Head, Krishi Vigyan Kendra, Brahmavar gave vote of thanks to the gathering. After the inaugural programme two technical sessions were organized on Jack fruit cultivation technologies and preparation of bi-products from jack fruit. Second day on 29.05.2022 also two technical sessions were organized. Dr. Kantharaj Y., Assistant Professor, College of Horticulture Mudigere, delivered information of value addition in jack fruit. Programme was ended with valedictory function at 5.00 pm. Total 550 farmers were participated in two days programme.



Garib Kalyan Sammelan

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Indian Council Agricultural Research, New Delhi, ICAR-Krishi Vigyan Kendra Brahmavar has organized "Garib Kalyan Sammelan" Hon'ble Prime Ministers' interaction with beneficiaries of various schemes of Govt. of India on 31st May 2022 at KVK Brahmavar.

Programme was inaugurated by Dr. Lakshmana, Associate Director of Research, ZAHRS Brahmavar. In his inaugural speech, he highlighted the importance of Doubling of Farming System and what are all the methods farmers should follow to double their income. Dr. Sudhir Kamath K. V., Principal, Agricultural Diploma College, Brahmavar presided over the function and he has opined that farmers should concentrate on minimizing the cost of production which automatically helps in doubling the farmers income meanwhile he also explained about different schemes/programmes of Govt. of India to help poor farmers.

Sri. Sooryakanth Biradar, Deputy Director of Agriculture, Uduppi district was chief guest of the programme. Dr. Chaitanya H. S., Scientist (Horticulture), KVK Brahmavar briefed about the programme and Dr. Naveen N. E., Scientist (Agronomy), KVK Brahmavar welcomed the whole gathering. Dr. Sachin U. S., Scientist (Plant Protection) coordinated the programme. Total 68 beneficiaries of different schemes/programmes were participated in the programme.



ICAR-Krishi Vigyan Kendra, Uttara Kannada

Productive Insects Conservation Week (May 16-22, 2022)

ICAR Krishi Vigyan Kendra, Uttara Kannada, Sirsi organized first National Lac Insect Day and World Honey Bee Day on the occasion of Productive Insects Conservation Week celebration from May 16-22, 2022.

First Lac Insect Day was celebrated on 16.05.2022 jointly with Department of Forest

Products and Utilization, College of Forestry, Sirsi and ICAR- IINRG, Ranchi through virtual mode. Dr. Roopa S. Patil, KVK Sirsi gave introductory remarks about lac, lac insect, uses and importance of national lac insect day celebration under. Further she explained in detail about presence of natural lac insects, host plants and commercial exploitation of lac in Karnataka. Sri. Cheluvvaraju, Best lac farmer awardee from Bannikuppe Village, Mysuru district shared his seven years journey in

commercial lac cultivation on Ber and Flemingia. He urged to take up this as subsidiary occupation like beekeeping and sericulture.



Dr. K. Sri. Kantaswamy, Retired Joint Director, Central Silk Board, Mysuru explained about the lac cultivation activities initiated on Ber during 2022 under the Network project on Conservation of lac insect genetic resources operating at KVK Sirsi and NGO, Green Agri Tech Rural Development Foundation Mysuru among the tribal community in and around HD Kote, Hunsuru, Piriapatna areas of Southern



Karnataka. He opined that lac cultivation can become major source of livelihood for forest sub dwellers and an important component under waste land management. Totally 79

members participated, which includes students, lac growers and interested farmers.

On 20th May 2022, World Bee Day was organized at KVK. Sri. Arun V. Kashi Bhat, Food Safety Officer Sirsi inaugurated the programme and explained in details about FSSAI license, processing of honey, quality parameters and tests. The drawn honey samples from Uttara Kannada are devoid of adulteration except in higher moisture content. The programme organizer, Dr. Roopa S. Patil described about role of bees and conservation, importance of May 20th as bee day celebration.



Interactive sessions were arranged between progressive young bee keepers and beginners in apiculture. On the eve of International biodiversity day, interactive sessions were organized between scientists of College and KVK and students of College of Forestry on various issues of human animal conflict, mortality of honey bees and conservation of endangered species. Sri. Ananth Hegde Ashisar, President, Vrusksha Laksha Andolan and Ex-President, Karnataka State Biodiversity Board inaugurated the programme and urged the government to undertake special care for conservation of state biodiversity and documentation.

ICAR - Krishi Vigyan Kendra, Vijayapura - I

Visit by RAWE students of College of Horticulture, Arabhavi



The final year students of College of Horticulture, Arabhavi visited Krishi Vigyan Kendra, Vijayapur on 25th May 2022. The mandates of KVK were explained to the



students and visits were made by the students to the demonstration units such as dairy unit, poultry unit, goatry unit, vermicompost unit, vermiwash unit, nutrigarden, green house, seed processing unit etc. Students were explained in detail about the different demo units. Forty eight students and two staff were present during the visit.

ICAR - Krishi Vigyan Kendra, Vijayapura - II

Visit to lime and Mango orchard

On 24.05.2022, Mr. Kushal, Scientist (Horticulture), ICAR Krishi Vigyan Kendra, Vijayapura-II(Indi) visited the 25 years old lime and Mango orchard at Hirebevanoor village of Indi taluka, Vijayapura district. Diagnosed the lime and mango plants which are showing withering symptoms due to water stagnation and *Fusarium* wilt and suggested to go for soil drenching with Propiconazole @ 2 ml per liter of water as a chemical measure. Further advised to go for soil application of liquid *trichoderma* @ 5 liter per acre and suggested about scientific mango harvesting techniques by using mechanical mango harvester.



Sugarcane diagnostic field visit by Mr. Arjun Sulagitti, Scientist (Plant Protection)

Scientist (Plant Protection), ICAR Krishi Vigyan Kendra, Vijayapura-II (Indi) diagnosed sugarcane field affected by root grub and early stem borer due to monocropping and crop weed competition and suggested the scientific remedies for control of root grub and early shoot borer in sugarcane.



Root grub management in sugarcane awareness campaign

ICAR- Krishi Vigyan Kendra, Indi (Vijayapura- II) in collaboration with Department of Agriculture, Ramadurga organized the root grub management in sugarcane awareness campaign at Chippalakatti, Hanamasagar and Halagatti villages of Ramadurga Taluka, Belagavi. Dr.Arjun Sulagitti, Scientist(Plant Protection), ICAR KVK, Vijayapura-II(Indi) gave the detailed information on life cycle, symptoms of damage and precautionary measures to overcome the root grub

menace in sugarcane. After the scientific session, various queries from the farmers were addressed. During the awareness programme Dr.A.H. Biradar, Agriculture Extension Leader, AEEC, Mudhol, Sri. S.F. Belawatagi, ADA, Ramadurga, ATMA staffs and more than 100 farmers of Chippalakatti, Hanumasgar, Halagatti and surrounding village participated in this programme and were benefitted.



ICAR - Krishi Vigyan Kendra, Wayanad

Helping hands to tribal families of Kattikulam

KVK Wayanad conducted one day seminar to tribals of Kattikulam on importance and various aspects and benefits of goat rearing. The programme of goat distribution was inaugurated by Dr. D.V Kolekar, Scientist and nodal officer, ICAR ATARI Zone 11, Bengaluru.





Dr. Safia N.E., Programme Coordinator, KVK Wayanad welcomed the gathering. Najmuddheen T., Tribal Extension Officer, Kattikulam and Ismayil C., Tribal Development Officer, Mananthavady delivered presidential address to the programme. Dr. Deepa Surendran, Assistant Professor, KVK Wayanad lead the theory sessions. Two goats each (one male and one female) were distributed to seven tribal beneficiaries of Muthumari settlement colony in Kattikulam which will support their families as a livelihood. Also vegetable seedlings to 30 tribal families were distributed in the programme.

Exposure field visit of farmers from AISC, Vengeri

KVK Wayanad organized one day exposure field visit to farmers from various parts of Kozhikode combined with AISC, Vengeri. Various activities undergone and facilities available in KVK were demonstrated to the farmers for making them aware. Classes on the uses and application of bio control agents, bio fertilizers, entomopathogens, various propagation techniques, preparation of value added products were dealt by the faculties of KVK Wayanad.



ICAR - Krishi Vigyan Kendra, Yadgir

Training on Goat farming - Sirohi breed at Wadagera Taluk of Yadgir District with Support of Kalike Tata Trust

ICAR-KVK, Yadgir with support of Kalike Tata Trust introduced Sirohi goats in Wadagera Taluk of Yadgir district. Senior Scientist and Head Dr. Jai Prakash Narayan R.P., ICAR-KVK, Yadgir briefed about the breed which surely helps in creating favorable environment to Yadgir district farmers.

Dr. Kotresh Prasad (Animal Science) of ICAR-KVK, Yadgir is one of the extension staff of Kalike briefed about management practices and goat farming. Sri. Arun Kumar Shivaray, Programme Officer, Kalike - Tata Trusts, Yadgir was present in the training. Two hundred goats were distributed to 50 farmers and the same farmers will constitute the FPO.





KVK TIMES

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