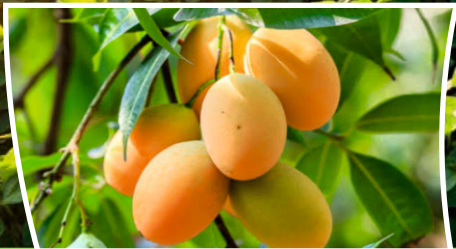




KVK TIMES

A Window to KVKs of ICAR-ATARI, Zone-XI, Bengaluru
Vol 01 Issue 14, 16-31 January, 2022




**Azadi Ka
Amrit Mahotsav**

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ICAR-Krishi Vigyan Kendra, Dharwad



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University of Agricultural Sciences

Krishi Nagar, Dharwad - 580005, Karnataka State, India



MESSAGE

It gives me an immense pleasure to know that ICAR-Krishi Vigyan Kendra, Dharwad is bringing out the News Letter called KVK TIMES. Krishi Vigyan Kendra is science based extension system for Transfer of Technology and is unique attempt of ATARI- Bengaluru to record the activities of all the KVKs' in the form of News Letter.

The KVKs play vital role in showcasing the frontier technologies capacity building among stake holder, front runners in technological application through information and inputs to farmers. KVKs work under participatory approaches in Planning, Implementing and Executing the assigned extension activities and regularly evaluating them for their impact. This silent revolution of transformation of technologies to strengthen the farming sector of the country, is being ignited by ICAR through KVKs across the country, leading farmers towards realization of doubling their farm income.

In order to showcase KVK activities, the ICAR-ATARI, Bengaluru, Zone-XI and its team has created a platform to present the programmes and activities through e-newsletter, "KVK-TIMES". I am sure, this e-news letter will be very much useful document to the farming community.

My best wishes are with all the KVKs, Directorate of Extension and ATARI, Zone-XI in carrying out the responsibilities to serve the farming community.

Dharwad
01 February 2022

Dr. Mahadev B. Chetti
Vice Chancellor
UAS, Dharwad



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MESSAGE

Krishi Vigyan Kendras are strongest extension system in front line extension with one-stop facility for many needs of the farming community. The e-news letter "KVK-TIMES" brought out by KVK, Dharwad will act as a single reference point to know about various activities and events conducted by various KVKs and also about the services and farm inputs made available to the farmers during the recent past. Each KVK is unique in its capabilities, innovative approaches adopted, farming system models developed and impact brought in the district. I am happy to know that KVK, Dharwad has been identified to bring out the 14th issue of "KVK Times", covering activities of all the KVKs of Zone-XI for the period 16-31, January 2022.

Krishi Vigyan Kendras have played vital role during the challenging Covid-19 Pandemic period through various innovative approaches in providing technological support to its stake holders. My best wishes to all the KVKs in Zone-XI for rendering valuable services to the benefit of farmers of the districts. My best wishes to them for new initiative of ATARI, Zone-XI.

Dharwad
01 February 2022

Dr. Balachandra K. Naik
Director of Extension
UAS, Dharwad



ICAR-Agricultural Technology Application Research Institute, Zone XI

भा.कृ.अनु.प. - कृषितकनीकी अनुप्रयोग अनुसंधान संस्थान, जोन XI

MRS, HA Farm Post, Hebbal, Bengaluru 560 024

एम.आर.एस. एच.ए. फार्मपोस्ट, हेब्बाल, बेंगलुरु ५६० ०२४



MESSAGE


KrishiVigyan Kendra is the innovative first line science based extension system for transfer of technologies. KVKs play an important role in dissemination of technologies from the research system to farmers. The aim of the KVKs' is to bring transformation in farm families through technological interventions and planning strategies.

However, for meeting new challenges, it is important to focus on conservation of natural resources, achieving higher productivity, keeping sustainability of agriculture, enhancing farmers income through bringing efficiency in market value chain.

KVKs are serving as scientific knowledge centres which are useful to entire district. There are 48 KVKs working under Zone-XI covering Karnataka, Kerala and Lakshadweep. Cross learning among them will help to understand and appreciate the strengths of each others. Documenting this cross learning is very much valuable and will act as a platform for sharing of knowledge. "KVK Times" is the first of its kind of virtual platform created and brought out by selected KVKs every fortnight to highlight the good work done by each one of them.

It also serve as ready reckoner for accessing important milestones achieved by KVKs in the Zone. I congratulate Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK Dharwad and team which has done commendable job in bringing out this 14th edition of KVK TIMES for capturing the important events.

Bengaluru
01 February 2022


(V Venkatasubramanian)
Director, ICAR-ATARI, Bengaluru

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ICAR-Krishi Vigyan Kendra, Dharwad.

Saidapur Farm, Dharwad - 580 005

Karnataka State, Indi



ACKNOWLEDGEMENT

I profusely thank ATARI, Bengaluru for giving us the unique opportunity to compile and edit the 14th issue of KVK Times.

I feel privileged and proud to acknowledge the constant support and encouragement given to us by our Honorable Vice Chancellor, Dr. Mahadev B. Chetti, in executing our services to farming community.

I pay my deep sense of gratitude to our beloved Director of Extension Dr. Balachandra K. Naik, Associate Director of Extension Dr. P. S. Hugar and Nodal Officer Dr. Shripad H. Kulkarni for their timely guidance and inspiration to carry out the various activities successfully.

I whole heartedly thank Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru for his constant inspiration, encouragement to serve the farming community and valuable guidance in bringing out this edition of "KVK Times".

I also extend my heartfelt thanks to Dr. B. T. Rayudu, Principal Scientist (Agriculture Extension), Nodal Officer and Dr. D. V. Kolekar, Principal Scientist (Agriculture Extension), ICAR-ATARI, Bengaluru for their constant support and guidance.

I sincerely acknowledge the whole Zone-XI KVK family members for sharing their achievement in time to bring out this News Letter.

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

Dharwad
01 February 2022

Dr. S. A. Biradar

Senior Scientist and Head,
ICAR-KVK, Dharwad

ICAR-KVK, DHARWAD

Vocational training on Dairy farming under CapacityBuilding programme for farmers

Vocational training on "Integrated animal husbandry practices for profitable dairy farming" was conducted from 28.01.2022 to 31.01.2022 at ICAR-KVK, Dharwad. During his presidential remarks Dr. Balachandra K. Naik, Director of Extension, UAS, Dharwad expressed that, livestock has an important role to play in organic and natural farming and such trainings will uplift the farmers knowledge in dairy farming. Dr. Shripad H. Kulkarni, Nodal officer (KVKs), Directorate of Extension, UAS, Dharwad advised the farmers to take up value addition to milk and milk products, vermicompost, vermiwash and biogas production which will enhance the farmers income instead of only selling the milk. Dr. S. A. Biradar, Senior Scientist & Head, ICAR-KVK, Dharwad, told about the importance of livestock in integrated farming system and fodder production. On the day of training, participants were pre-evaluated for knowledge about dairy farming with the help of an questionnaire. During the training programme, various topics like breeds, importance of indigenous breed, selection of animals, cross breeding, identification of heat, major green fodder cultivation, feeding practices, balanced ration preparation, housing system, record keeping, project preparation, biogas production, clean milk production, prevention and control of diseases, vaccination, facilities and schemes in bank, insurance etc were covered. Post evaluation was done and certificates were distributed to the 40 participants during the valedictory programme.



One District One Product - Mango

King of fruits - Mango has been selected under One District One Product of Dharwad district. Activities emphasizing increase in production, productivity and processing have been conducted by ICAR-KVK, Dharwad in mango orchard areas. Farmers Field School on Mango was conducted at Dori village of Dharwad taluka in the field of Shri Shivanand Hiremath on 19.01.2022. The health of a mango plant is determined by its environment which includes physical factors (i.e. soil, rain, sunshine hours, wind etc.) and biological factors (i.e. pests, diseases and weeds). All these factors can play a role in the balance which exists between herbivore insects and their natural enemies. Farmers have to make timely decisions about the management of their mango crop. FFS farmers have learned to make these decisions based on observations and analysis viz. abiotic and biotic factors of the mango ecosystem. However, as field conditions continue to change and farmers need to continue improving their skills and knowledge regarding application of mango special (nutrient mixture), installation of yellow sticky traps. During the FFS, importance of mango special, method of application and its role in getting quality mango production was discussed in detail. The method demonstration on use of mango special was conducted and spraying was taken in the same field.



Paramapara FPO has established Mango Processing Unit at Dori village of Dharwad taluka. The scientists of KVK, visited the processing unit and verified the primary and secondary processing lines. The unit is going to be operated in the present season and hence detailed discussion on processing, labeling and branding aspect was conducted. The tins to store mango pulp was checked for its quality and suitability. They were suggested to adopt proper sanitization measures and waste disposal methods.



Fall army worm management in sorghum and shoot fly management in wheat

ICAR-KVK, Dharwad conducted farm trial on management of fall army worm through seed dressers and sprayable formulations in rabi sorghum and management of shootfly in wheat at Somapur village of Dharwad taluka. Follow up field visit was carried out on 27.01.2022 in the field of Shri Basanagouda Patil by Dr. P. S. Hugar, Associate Director of Extension, Dr. D. N. Kambrekar, Assistant Professor (Ag. Entomology), Dept. of Ag. Entomology, UAS, Dharwad along with implementing Scientist (Ag. Entomology) of ICAR-KVK, Dharwad Smt. Kalavathi K. Kambali. Dr. P. S. Hugar interacted with the farmers about the pests and diseases of rabi crops and recommended the management practices. During the visit, team diagnosed other crops pests and diseases like little leaf of brinjal, chilli anthracnose, wheat rust, wheat shootfly, redgram podborer and recommended the suitable measures.



Follow up visit to Technology Assessment fields

ICAR-KVK, Dharwad conducted On Farm Testing on Assessment of suitable foliar spray for management of bronzing in guava at Shirur village of Navalagund taluka during *rabi* season. Monitoring field visit was carried out on 17.01.2022 in the field of Shri Prakashgouda Balanagoudar by Dr. P. S. Hugar, Associate Director of Extension, UAS, Dharwad, Dr. S. A. Biradar, Senior and Scientist and Head, Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad along with implementing Horticulture Scientist Dr. Akkamahadevi D. Agasimani of ICAR-KVK, Dharwad. Fruitful interaction was carried out by Dr. P. S. Hugar and suggested farmers regarding pasting of COC/ bordeaux after pruning, installation of fruitfly traps, integrated nutrient management practices in guava. He also diagnosed Kajji bug infestation in guava and recommended the suitable measures. OFT farmers expressed that spraying of DAP and Zinc has good effect on guava which has controlled the bronzing and resulted in more flowers. They also opined that technology is cost effective.



Method Demonstration on diagnosis of mastitis

ICAR-KVK, Dharwad in association with Dept. of Animal Husbandry and Veterinary Services, Dharwad conducted Method demonstration on diagnosis of mastitis in milching animals under frontline demonstration on Demonstration of clean milk production at Shirur village of Navalagund taluka on 17.01.2022. The implementing Scientist Dr. Jayashree Pattar, Scientist (Animal Science) along Dr. P. S. Hugar, Associate Director of Extension, UAS, Dharwad, Scientists of ICAR-KVK, Dharwad and Dr. Kiran, Veterinary Doctor from Veterinary Dispensary, Shirur checked the health of dairy animals and diagnosed mastitis through CMT kit. Dr. Jayashree Pattar, Scientist (Animal Science) convinced the farmers that this kit is very economical and convenient, can test animals at their dairy which gives results in 10 to 15 seconds and losses due to mastitis can be avoided. Around 12 cows and buffaloes were tested and Scientists suggested to maintain hygiene in dairy, proper sanitization after milking and vaccination in time.



ICAR-KVK, Bagalkote

Awareness programme on BEE star labeled energy efficient pumpsets at KVK Bagalkote

ICAR-KVK, Bagalkote organized one day awareness programme on BEE star labeled energy efficient pumpsets sponsored by Karnataka Renewable Energy Development Ltd (KREDL) on 20.1.2022 at KVK, Bagalkote premises. The programme was inaugurated by Dr. Balachandra K. Naik, Director of Extension, UAS, Dharwad by lighting solar light. During his speech he highlighted the importance of saving energy and the culture of worshipping energy in the form of adishakti. The programme has its own importance in terms of communicating message of saving water and energy in the present days' context he expressed. Dr. Shripad Kulkarni, Nodal officer KVKs of UAS Dharwad spoke on importance of integrated farming system in conserving natural resources like water and energy. Dr. M S Shirahatti, Chief Scientist, Dryland Agriculture emphasized the water saving technologies in dryland agriculture such as water harvesting, broad bed furrows, compartment bunding, roof top water harvesting, use of chisel plough in enhancing the water percolation and moisture conservation.

Shri shivalingappa D Yaligar, a progressive farmer and an awardee Vijayakarnataka super star farmer for adopting solar operated pumpsets deliberated upon the economics of adopting solar pump sets and how it is useful in reducing the cost of cultivation and avoiding threats in irrigating night time under conventional system. Dr. Dineshkumar S P Scientist (Agronomy) highlighted the importance of water saving devices in agriculture, with special reference to soil moisture indicator. The trainees were exposed to various tools which are being operated by solar energy, established at Solar pak, BVV, BEC, Bagalkote. Dr. Mouneshwari Ramanand Kammar, senior scientist and head, KVK Bagalkote presided over the function and highlighted the need for water and energy saving devices, alternate uses of energy for agriculture. More than 125 participants including farmers from Mangaludda, DAESI batch students of Dept of Agriculture took the benefit the programme.



ICAR-KVK, Belagavi-II**Workshop on Impact of climate change on agriculture production**

ICAR-KVK, Mattikopp organized a workshop on “Impact of Climate Change on Agriculture Production” in association with National Bank for Agriculture & Rural Development (NABARD) on 31.01.2022 at KVK campus. The programme was inaugurated by Shri. K.K. Bharadwaj, DDM, NABARD, Belagavi. In the inaugural address he said that, in recent years farmers are obtaining uncertain yields due to climate change and there is need to adopt suitable measures based on weather forecast.

In his introductory remarks, Scientist (Agronomy) called upon farmers to adopt appropriate measures to maintain sustainable production in Agriculture. During the technical session, Dr.R.H. Patil, Professor & Head, Dept. of Agro-Meteorology, UAS, Dharwad explained the science behind climate change and discussed technologies to be adopted in production system based on the weather forecast.

Dr. Vijayamahantesh, Asst. Professor, KRCCH, Arabhavi, briefed on global warming, green house gases and their impact on agriculture production system. District Co-ordinator of Universal Sompoo General Insurance Company, Shri. Gutteppa Agasar interacted with participants on crop insurance.

Extension functionaries from Dept. of Horticulture, Animal Husbandry, Sericulture & Forest and progressive farmers participated in the workshop.



ICAR-KVK, Ballari**ICAR-KVK, Ballari organized Capacity Building Programme on Fig value addition**

ICAR-KVK, Ballari organized capacity building programme on fig value addition at fig orchard of Lakshmipura village, Kurugodu taluk on 28.01.2022 in collaboration with Kurugodu Fig Farmer Producer Organization. Different value added fig products like fig jam and fig rolls were demonstrated by Dr.Shilpa H., Scientist, Home Science. Awareness on PMFMEs One District One Product scheme on fig was also given to the fig farmers. Dr.Jayaprakash Narayan, Scientist (Horticulture) gave knowledge on Integrated Nutrient Management and Integrated Pest and Disease management Practices to be followed in fig crop. A total of 40 farmers and farm women took part in the programme.



ICAR-KVK, Chikkamagaluru

33rd Scientific Advisory Committee meeting

ICAR- Krishi Vigyan Kendra, Mudigere, Chikkamagaluru organized 33rd Scientific advisory Committee meeting on 24.01.2022. The programme was inaugurated by Dr. Hemla Nayak, Directorate of Extension, KSNUAHS, Shivamogga, Dr. Narayan S. Mavarkar, Dean, COH, Mudigere, Dr.Thirumalesh, Joint Directorate of Agriculture, Chikkamagaluru, D. L. Ashok Kumar, President, Agriculture society, Mudigere.

During this programme Dr. M. K. Nayak, Vice Chancellor, KSNUAHS, Shivamogga and Dr. B. T. Rayudu, Nodal officer, ATARI, Bengaluru attended the meeting through virtual mode. During introductory speech, Vice Chancellor briefed about trainings related to the value added products, processing, storage, employment generation, weather based farming system, precision agriculture and innovative technologies and varieties developed by University.

Dr. Krishnamurthy, A.T, Senior Scientist and Head presented 32nd SAC action taken report and presented OFT, FLD, Field days, and trainings conducted during 2021-22. Further, members of SAC, line department officers and Progressive farmers discussed about the action plan for 2022-23. Totally 47 Members attended this meeting.



ICAR-KVK, Dakshina Kannada

12th Scientific Advisory Committee Meeting

12th Scientific Advisory Committee Meeting of ICAR-KVK, Dakshina Kannada was held on 31.12.2022 at KVK, Dakshina Kannada, Mangaluru. Dr. N.A. Patil Director of Extension, KVAFSU, Bidar presided over the meeting, Dr. V. Venkatasubramanian, Director ATARI, Bangalore, Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamoga, Dr. T.N. Raviprasad, Director, DCR, Puttur, Dr. Prathibha Rohit, Head, MRC of ICAR-CMFRI, Mangaluru, Dr. Prasanna Kumar T.G., Deputy Director, AH&VS, Dept. Mangaluru, Dr. H.R. Naik, Deputy Director of Horticulture, Dr. Raviraja Shetty, Associate Professor & Head, AHRS, Ullal, Dr. Dhannanjaya, Senior Scientist and Head, KVK, Brahmavar, Sri. Manikandan, ICAR-KVK, Kasargod, Mrs. Prema Kamble, ADA(Hq.) Mangaluru, Mrs. Manjulashree Shenoy, ADF, Mangaluru, SAC Members, Progressive Farmers, officers from developmental departments and NGOs were present.

On this occasion, innovative farmer of coastal district of Karnataka Shri Amai Mahalinga Naik conferred with Padmashree award was felicitated by the delegates. The Senior Scientist & Head presented the proceedings and action taken report on 12th SAC meeting and the activities carried out during the year 2021-22. The Director of Extension, KSNUAHS, Shivamogga, suggested to develop herbal gardens, soil enrichment-based programme, natural farming and Integrated farming system modules. The Director, ATARI suggested to conserve local varieties and make them available to the farming community and wealth from the waste and module for urban based nutri garden and vertical farming. On this occasion, books entitled organic farming and scientific fish farming were released by the dignitaries.



ICAR-KVK, Hassan

Scientific Advisory Committee Meeting

ICAR-KVK, Hassan organized 24th Scientific Advisory committee meeting (SAC) on 25.01.2022. The programme was inaugurated by Dr. S. Rajendraprasad, Honourable Vice-Chancellor, UAS Bangalore by performing 'Rashi pooja' and visited the farmers' innovation and value addition stalls. Dr. N. Devakumar, Director of Extension, UAS, Bangalore briefed the SAC objectives, moto and role of committee members to the gathering during his introductory speech. Further, the chairman of the programme Dr. S. Rajendraprasad, Honourable Vice-Chancellor, UAS Bangalore asked Senior Scientist and Head, KVK, Hassan to present the activities, demonstrations, technologies introduced, etc., performed by KVK during last year. The SAC members like Joint directorate of agriculture, department of agriculture, Deputy director of horticulture, other major heads of the line departments, lead bank manger, NABARD district general manger, development departments, progressive farmers, other dignitaries and invitees shared their opinion and gave the suggestions for forthcoming action plan of KVK.



ICAR-KVK, Idukki

KVK, Idukki launched a Small Cardamom Brand - Samridhi

ICAR – Krishi Vigyan Kendra, Idukki launched a dried small cardamom brand named SAMRIDHI. The release of this event was done by Dr.V.Venkatasubramanian, Director, ICAR-ATARI, Bengaluru. In the event Director stressed the importance of small cardamom which offers daily nourishing of food to enable prosperous healthy benefits to a wide cross section of consumers. After the release Arka Microbial Consortium applied small cardamom field was visited by Dr.V.Venkatasubramanian, Director, ICAR-ATARI, Bengaluru at Annakara, Idukki, Kerala. The Director interacted with Mr. Siby, a progressive farmer who grows small cardamom and regularly applies Arka Microbial

Consortia (AMC), a novel technology released from ICAR-IIHR, Bengaluru for plant nutrition and health management in horticultural crops. Mr. Siby expressed that the consortium of three unique bacterial strains viz. Bacillus, Pseudomonas and Azotobacter reduced the infection of Phytophthora, Fusarium and Rhizome rot disease in small cardamom. This technology saves the cost of chemicals application of Rs. 7,500 per ha. The cost of application of AMC is Rs.4400/ha when compared with a chemical application which costs Rs.27000/ha. So, the reduction in cost of cultivation per ha is Rs. 65,000. The total net return gained per ha is Rs.279,000/- due to introduction of AMC technology. To accelerate the adoption, KVK, Idukki has established AMC Production Unit at KVK premises with the financial support of Revolving fund and 14,846kg of AMC has been produced and supplied to 5327 no. of farmers since 2017. So the AMC technology has spread to 12452 ha of the small cardamom plantation areas and the KVK is realizing Rs.11.50 lakhs sale annually.



ICAR-KVK, Kalaburagi-I

One day workshop on Importance of Sirohi goat breeds in stall feeding system and distribution of Sirohi goats

ICAR-KVK, Kalaburagi-I conducted one day workshop on Importance of Sirohi goat breed in stall feeding system to 40 selected beneficiaries of Kalaburagi district under RKVY-IFS project by Government of Karnataka and University Of Agricultural Sciences, Raichur. During workshop, the training was given on importance of Sirohi goat breed and other goat breeds of India by Dr. Manjanth Patil, Scientist (Animal Science). Also, discussion was made on fodder cafeteria suitable to goats under stall feeding system. Kalaburagi district has highest goat population (4,73,800) in entire Karnataka State as per 20th livestock census. This particular goat breed is originated from Sirohi district of Rajasthan state having reddish brown colour which is adaptable to Kalaburagi local

climate. The male Sirohi breed is also used for up gradation with local non-descript female goats to have more body weight in F1 & F2 generations. Distributed 120 female and 40 male Sirohi goats to the beneficiaries by under the chairmanship of Senior Scientist and Head, KVK, Kalaburagi-I.



ICAR-KVK, Kannur

Awareness Programme on Arecanut Yellowing

A field level awareness programme for farmers on arecanut yellowing was organized by KVK Kannur at the arecanut field of Shri. Babukkuttan, an arecanut farmer at Perumbadav. Former ward member. Sri. James presided over the function. Dr. Jayaraj P. has taken an interactive session on importance of integrated nutrient management practices in arecanut to tackle nutrient deficiency disorders of palms. Sessions on crop management, pest and disease management in arecanut were handled by subject matter specialists of KVK. Officials from Department of Agriculture Development and Farmer's Welfare facilitated the programme. About forty farmers participated in classes and discussion followed.



ICAR-KVK, Kolar**5th Scientific Advisory Committee meeting**

KVK, Kolar conducted 5th Scientific Advisory Committee (SAC) on 21.01.2022. Dr. K.M. Indires, Honourable Vice Chancellor of UHS, Bagalkot chaired the session. Dr. S.I. Athani, Director of Extension, UHS, Bagalkot, Dr. Devakumar, Director of Extension, UAS, Bengaluru, Dr. K. Thimmappa, Nodal officer, ATARI, Bengaluru, Dr. H.S. Shivaramu, ADE(S), Dr. Mudalgiyappa, Professor and Dr. O.R. Nataraju, Professor and Dr. Venkat kumar, Principal Scientist, IIHR, Bengaluru participated as expert members. District line department heads from Horticulture, Sericulture, Animal Husbandry and Veterinary Sciences, Women and Child Development, Sheep Development Board, progressive farmer and successful women entrepreneur of the district were present and suggested relevant points to be considered. K. Thulasiram, Senior scientist & head presented action taken report of 4th SAC suggestions, work done report for the year 2020-21 and 2021-22 and action plan for the year 2022-23. Honourable Vice Chancellor appreciated the efforts of KVK, staff in conducting various programmes successfully and wish to continue same in the future.



ICAR-KVK, Kollam

The Travelogue of a Triumphant Mushroom Grower

Background: Mr. Lalu Thomas was a NRI for past 15 years and he returned back to home land back in 2014 and currently resides in Karavaloor panchayath of Pathanapuram taluk in Kollam district, Kerala. He is a Diploma holder in Hotel Management and worked as chef in Etihad Airways. He is basically from an agricultural family with interest in farming. He has great expectations in farming and allied sectors to continue the rest of his life and to earn food. After returning he searched for a successful agricultural sector and spent his valuable time in searching for the best options to invest his time by different means of social media, web search and sharing the ideas of officials of the agricultural sector. Considering the current scenario he decided to move ahead with mushroom cultivation.

Interventions

Mr. Lalu Thomas approached the nearest centre of Kerala Agricultural University situated at Sadanandapuram to know about the scientific aspects of Mushroom cultivation. He also enquired about the prospects and opportunities in mushroom cultivation among the practising farmers of Kollam District during 2017. Discussions and technical visits to various mushroom units gave him the confidence of taking up mushroom as an enterprise. He started cultivating oyster mushrooms in his farm which has been promoted by Kerala Agricultural University. His spawn requirement was met by KVK, Kollam, Kerala Agricultural University. He started mushroom cultivation utilising a small room in his house with 10 beds and he expanded it to 50 beds with limited facilities.

Technology

During his initial phase, he faced several hurdles in this venture and he discussed this with Krishi Vigyan Kendra and taking the scientific guidance from KVK, he focused more on his mushroom cultivation. With his consistent effort and patience, he succeeded in his venture and expanded the firm by constructing a 400 square feet mushroom house and started production. The need for scientific knowledge on mushroom cultivation was felt immensely by him as a cultivator in 2019 and he continued the support from Krishi Vigyan Kendra, Kollam at Sadanandapuram.

Attended several training sessions at KVK, Kollam. Technical backstopping is required for him and the techniques were provided by the experts of the KVK by way of Vocational training programme conducted at KVK, Kollam for 5 days. The cultivator was encouraged to prepare mushroom beds and spawn through the capacity building programme of the KVK, Kollam. With the technical backstopping of KVK, Kollam, he produced unique products from mushroom, viz., mushroom coffee powder, mushroom soup powder, mushroom chocolate, mushroom neutrical powder etc. Roughly 10 products are in the process of way to market under the brand ‘Chefbae’

Horizontal spread of enterprise

Totally he has given on site custom design for 5 units in Kollam district with production capacity of 1.825 tonnes of mushroom/year. He has obtained several meritorious participation in the state and national level exhibitions. During the 16 thSAC meeting of KVK, Kollam held at KVK, Kollam, ICAR, ATARI Director Dr. Venkatasubramanian officially launched the products of “Chefbe” He participated in the Startup Incubation Programme “PACE-2021” conducted by Kerala Agricultural University.



ICAR-KVK, Mysuru

Best farmer award felicitation program

ICAR JSS KVK Suttur in collaboration with Yelanduru Duggahatti Smt Sundramma Veerabadrappa Pratheeshtana has been honouring the best farmer award to selected farmers from Mysuru and Chamarajanagar districts during Suttur Jathra Mahotsava every year.

In the event of Suttur Jathara restricted to religious program on 30 January 2022, in presence of His Holiness Shree Shivarathri Deshikendra Swamiji. Duggahatti Smt. Sundramma Veerabadrappa Pratheeshtana president Shree P Veerabadrappa honoured the best farmer award to progressive farmers of Mysuru and Chamarajanagar districts at Suttur Shree Skeshthra, Progressive farmers are selected by a committee constituted with scientists of KVK, Mysuru and Chamarajnar, officials of Department of Agriculture and Horticulture in the districts. Selection is mainly based on use of new improved crop variety and highest yield got in crops like banana, sugarcane, tomato, maize, and pole beans in Mysuru and Chamarajanagar districts.



ICAR-KVK, Palakkad

Entrepreneurship Development Programme on 'Roof top Gardener'

KVK, Palakkad conducted a 7 day entrepreneurship development programme funded by the State Planning Board under the project 'Roof top Gardener' for 50 Agriculture Diploma students of IAT, RARS, Pattambi. The project aims to explore all the possible means to create, maintain, demonstrate and train the young minds well with the new high-tech farming technologies. Furthermore, this skill generating programmes will add lot to creativity, enthusiasm and commitment of the rural and urban youth for the adoption of these need based technology. The programme was inaugurated by Dr. Jayasree Krishnankutty (Director of Extension, KAU) Dr. Karthikeyan K, (ADR, RARS Pattambi) presided the inaugural function, and the key note address was delivered by Dr. S. Gopakumar (Director of Education, KAU). The programme was arranged in hybrid mode, following the existing COVID restrictions. Sessions were handled by experts from Kerala Agricultural University and the State Departments. Diverse sessions on various aspects of roof top gardening like vertical structure, protected cultivation, hydroponics, aquaponics, rooftop landscaping etc. were covered. New profitable technologies in gardening, like terrarium, Kokkedama and dry flower preparations were also included in the syllabus. Moreover, the students were provided with training on preparation of bankable projects. The programme equipped the students by providing a skillful knowledge on new technologies that helps students in being a job provider rather than a job seeker.



ICAR-KVK, Pathanamthitta

Cluster Front Line Demonstration on Sesame Cultivation

The National Mission for Oilseeds and Oil palms under the Union Ministry of Agriculture and farmers Welfare, Govt. of India, is developing and implementing developmental projects with a vision to expand the production of oilseed crops in view of the increasing domestic consumption of edible oils per annum. ICAR-KVK, Pathanamthitta initiated a Cluster Front Line Demonstration on Sesame cultivation to popularize the scientific cultivation practices and also to revive the traditional oilseed crop of Kerala. The Demonstration plot is being set up under the leadership of Mr. Kannan, a farmer from Pandalam Municipality in an area of 25 acres in Sasthampadi Ela, which remained fallow for a period of last 30 years. Hon. Deputy Speaker, Kerala Legislative Assembly Shri. Chittayam Gopakumar inaugurated the programme. During the occasion Shri. Shaji Dharmapalan, Chairman, Adoor Municipality released a pamphlet on 'Sesame Cultivation'. Dr. C.P Robert, Senior Scientist and Head, KVK, Pathanamthitta and Shri. Luise Mathew, Deputy Director (Credit), Panthanamthitta also spoke during the occasion. The flagship sesame varieties being used for conducting the demonstration are TMV 6, TMV-7 released from Tamilnadu Agricultural University and 'Tilak' developed from Kerala Agricultural University.



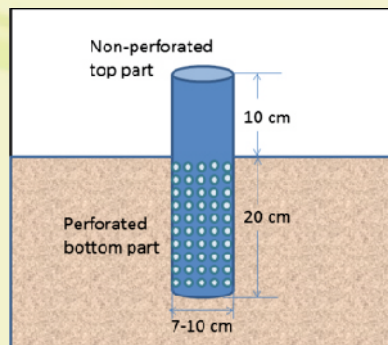
ICAR-KVK, Raichur

Water management in paddy by Alternate Wetting and Drying (AWD)

Training and demonstration on Water management in paddy by Alternate Wetting & Drying (AWD) was made at Raitanagar camp of Sindhanur taluka, Raichur by ICAR, KVK, Raichur on 18th of January 2022. On the occasion, Dr. S.N.Bhat, Scientist (Soil Science) explained the farmers about effective water management strategy by which water can be saved by 37 per cent and comparable yield of paddy as well as reducing green house gas CH₄ emission by 60 per cent in comparison with contiguous submergence.

Paddy is an important crop of this region and the farmers grow paddy in flooded system. Under AWD, fields are subjected to intermittent flooding (alternate cycles of saturated and unsaturated conditions) where irrigation is interrupted and water is allowed to subside until the soil reaches a certain moisture level, after which the field is re-flooded. This approach (AWD) is implemented by monitoring the depth of the water table in the field using a simple perforated field water tube (Pani pipe) made of PVC (7–10 cm diameter and 30 cm long with perforations in bottom 20 cm). The pipe is installed in such a way that the bottom 20 cm of perforated portion remains below the soil surface and the non-perforated 10 cm above the surface. When the water level drops 15 cm below the soil surface, irrigation should be applied in the field to re-flood to a depth of 5 cm.

During the flowering stage of the rice, the field should be kept flooded. After flowering, during the mid-season and late season (grain filling and ripening stages), the water level is allowed to drop below the soil surface to 15 cm before re-irrigation. To suppress the growth of weeds in the rice field, AWD method should be followed 1–2 weeks after the transplantation.



ICAR-KVK, Shivamogga

SWACHHATA PROGRAMME

ICAR-KVK, Shivamogga organized the programme on waste collection drives in households and also in Agriculture farms under Swachhata programme on 27-01-2022. Dr. Hanumanthaswamy B.C., Senior Scientist and Head, delivered the talk on importance of cleanliness in the life of human beings and also stressed why it is necessary to maintain cleanliness. He also emphasized on the importance of washing hands before taking food. Miss. Smitha, G.B., Scientist (Horticulture), stressed about waste management and gave a brief idea about classification of waste at farm and home and suggested the ways to dispose-off the waste and insisted for proper disposal of waste at suitable place by maintaining appropriate distance from the place of our living. Participants including farm workers took the oath to maintain cleanliness in and around their village. Totally 35 farm women participated in the event.



ICAR-KVK, Thrissur

Demonstration of Tractor operated Turmeric Harvester

Reduction of drudgery in agricultural practices has always been a priority for the Kerala Agricultural University. Manual harvesting of turmeric is a very laborious and time consuming task and it involves harvest losses. In order to help farmers overcome these difficulties, Krishi Vigyan Kendra, Thrissur demonstrated the use of tractor operated turmeric harvester at Kodakara Panchayth, Thrissur on 21st January 2022. The demonstration was conducted in association with Alagappanagar Co-operative Consortium of Turmeric Farmers. The programme was inaugurated by Kodakara Block Panchayath President Sri. M.R. Ranjith. Representatives from the panchayath, Farmer Consortium and farmers also took part in the demonstration.



ICAR-KVK, Thiruvananthapuram

Farmer Invented Semi - Manual Cassava Harvester - Agro Tapioca Plucker

Cassava is one of the important and most widely cultivated crops in Thiruvananthapuram District. The crop is an essential source of food and income throughout the tropics providing livelihood for countless farmers, processors and traders worldwide. Cassava in Trivandrum district covers an area of 14958 ha (Farm Guide, 2020) which is 21.31% of total cultivated area of the crop in Kerala state.

Harvesting is one of the serious bottlenecks in the cassava production value chain. Manual harvesting is slow and associated with drudgery and high tuber damage, especially under arid conditions. This situation tends to increase the total cost of production and an increase in cassava prices in the market.

Generally farmers are practicing manual uprooting of cassava using the bare hands with/without the use of indigenous tool such as hoe. The manual method of harvesting is slow and requires more energy to harvest. This may be lead to high root tuber breakage. To address this problem Mr. Jose K.V and Mr. Jose Cheriyan invented semi-manual harvester in 2019, which works on the third order lever principle. ICAR-KVK, Mitraniketan, Thiruvananthapuram conducted Front Line Demonstration of this equipment at Malayinkeezhu, Chirayinkeezhu and Maranalloor Gramapanchayats of Thiruvananthapuram district during 2021-2022.

In an hour, 50-60 cassava plants can be harvested using farmer innovated equipment, while in manual method this would be only 12-15 numbers. The main merits of this small scale mechanization are drudgery reduction and around 75% of labour savings. The experimental study was documented by Mathrubhoomi channel and new innovation was published in leading newspapers like Mathrunhoomi and Kerala Kaumudhi.



ICAR-KVK, Tumkur-1

15th Scientific Advisory Committee (SAC) meeting of KVK, Tumkur-1

The 15th Scientific Advisory Committee (SAC) meeting of Krishi Vigyan Kendra, Tumkur district was held on 13.01.2022 at Krishi Vigyan Kendra, Konehalli, Tumkur-1 under the Chairmanship of Dr. S. Rajendra Prasad, Vice-Chancellor, UAS, GKVK, Bangalore. The Senior Scientist & Head, Dr. V. Govinda Gowda welcomed the Chairman, Members, Developmental department officers, Farmer representatives for the meeting. Dr. N.Devakumar, Director of Extension, UAS, Bangalore in his opening remarks briefed about the mandates of KVK and the purpose of SAC meeting. The Senior Scientist & Head presented the Action taken report for the suggestions given during 14th SAC meeting and obtained approval. The Senior scientist and Head presented the various activities carried out viz., OFTs, FLDs, training programmes and other activities. During the Chairman's remarks Honourable Vice-Chancellor Dr. S. Rajendra Prasad suggested the activities to be incorporated for the year 2022-23.





CELEBRATION OF NATIONAL GIRL CHILD DAY, 24.01.2022



ICAR-KVK, Bagalkot

National Girl Child Day was organized by KVK Bagalkot at Govt. PU College Bagalkot in collaboration with Dept. of Women and Child Development, Bagalkot. Shri T. Bhabusham, Chief Executive Officer, Bagalkot was invited as Chief Guest. In his inaugural speech he stressed upon the need to celebrate every day as Girl Child Day and advised young girls to be away from the influence of social media to achieve the career goals. Experts from the field of law, education and sports were present and they motivated students about their rights.



are deprived of opportunities in education, health and participation in social events, she called upon girls students to know and get benefit of such schemes designed for upliftment of girls in the society. During his introductory remarks, Scientist S.M. Warad, expressed that girls are to be brought up to the mainstream of society by encouraging them to get better education, social and economic opportunity in society. Smt. Jyoti Mahendrakar, Primary Health Conservator, Primary Health Centre, Deshnur highlighted different schemes for girls available in the department. The programme was attended by staff members and 50 girls children of the school.



ICAR-KVK, Belagavi-II

ICAR-KVK, Mattikopp organized National Girl Child Day at Shri Siddalingeshwar High School, Deshnur. Inaugurating the programme Smt. N. M. Savalgi, Assistant Master, High School opined that, since girls

ICAR-KVK, Davanagere

ICAR-Taralabalu KVK, Davanagere celebrated National Girl Child Day in collaboration with Raghavendra Hi-Tech PU College and Shri Sharadha Academy, Davanagere. The Programme was inaugurated by Shri. Basavangowda M.G. scientist (Horticulture) and he spoke about

the importance of National Girl Child Day and why it is celebrated on 24th January only. He also briefed about the girl child rights. Dr. Supriya P. Patil (Home Scientist) explained about the different Central government schemes for ensuring the welfare of girl child in India and Karnataka. She also stated that one who have more will power and positive vibes can achieve success in the world.



Biradar, Senior Scientist and Head graced the occasion and gave introductory remarks. About 46 Women members visited demonstration plots of KVK to get first-hand experience on different technologies.



ICAR-KVK, Dharwad

National Girl Child Day was celebrated at ICAR-KVK, Dharwad to create awareness regarding facilities available for girl child and ways to empower them. SHG members from Shri Kshetra Dharmasthala Rural Development Project participated in the programme. Dr. Geeta S. Tamgale, Scientist (Home Science) conducted the programme and presented special lecture series on girl child, care and nutritional requirement of girls, schemes and programmes of state and central governments were arranged. Dr. S. A.

ICAR-KVK, Ernakulam

The National girl child day was celebrated at KVK, Ernakulam by conducting a webinar on Adolescent girls and mental health lead by Smt. Susan Jacob, Child Psychologist. The webinar was attended by more than 250 girl children from two schools in Ernakulam district. Smt. Susan Jacob interacted with the children where various questions raised were answered and practical solutions suggested. Smt. P Sreeletha, Subject Matter Specialist coordinated the webinar.



ICAR-KVK, Koppal

ICAR-KVK, Gangavathi along with ICICI foundation Koppal celebrated national girls child day in Kudremothi village. During programme Dr. Kavitha Y. Ullikashi, Scientist (Home Science) explained the importance of female education, health, nutrition and hygiene. Dr. Jyothi R., Scientist (Horticulture) explained in detail about the nursery and vegetable seed production. ICICI project resource person Shri. Basavaraj explained in detail about the different programmes about women and girl child from the state and central government. Smt. Yashodamma, Resource person from ICICI project explained in detail about the Beti Bachao Beti Padavo programme.



ICAR-KVK, Kozhikode

National Girl Child Day was celebrated through hybrid mode (Online and On campus) by KVK, IISR, Peruvannamuzhi. Dr. S. Kavitha, Chief Medical Officer, Govt. Ayurveda Hospital, Nochad inaugurated the event, Smt. P. Malar Kodi, PG Teacher,

Govt. Higher Secondary School, Tuticorin delivered guest address. Ms. A. Deepthi, Subject Matter Expert (Home Science) conducted awareness class on "Role of Women in Nation's Progress". The programme was presided by Dr P. Ratha Krishnan, Programme Coordinator, KVK. Dr K.K. Aiswarya, Subject Matter Expert (Plant Protection), KVK, IISR organized the event. Seedlings were distributed to girl children for planting at home.



ICAR-KVK, Shivamogga

ICAR-KVK, Shivamogga celebrated the National Girl Child Day at Government Higher Primary School, Isuru, Shikaripura taluka with an objective to create awareness among students on the rights of a girl child in the society and the importance of their education, health, and nutrition. Dr. Arun Kumar, P., Scientist (Agricultural Extension) highlighted the importance of this day in creating awareness and tackle the issues of inequality. Ms. Smitha, G.B. Scientist (Horticulture) spoke about the rights of girl child and importance of female education, health, and nutrition. Headmistress, Smt.



K.R. Sharada briefed about the facilities provided by the government for the education of poor girl children. About 41 students along with teachers attended the programme.



(I/C) of ICAR-JSS KVK, Suttur spoke about the significance of celebration and government's scholarships for girls' education and schemes namely Sukanya Samurdhi, Bhagya Lakshmi and others. The event was attended by staff and 50 girl students of the JSS High School.



ICAR-KVK, Mysuru

ICAR-JSS KVK, Suttur celebrated the National Girl Child Day for creating awareness on gender equality, education of girls, health, and nutrition of girl child, to prevent female feticide, to eliminate gender discrimination and violence against girls. Mrs. Mamata A., Protection Officer, Child Protection Unit, Mysuru spoke about changes during adolescence, problem faced by adolescents and the rights of girls. Mrs. Netravati Yattinamani, Scientist (Home Science) spoke about causes of anaemia, symptoms and ways to prevent anaemia through diet. Mrs. Mamata M., Consultant, Child Protection Unit, Mysuru spoke about the activities of the Child Protection Unit. Mrs. H.V.Divya, Senior Scientist and Head

ICAR-KVK, Vijayapur-I

National Girl Child Day was observed by KVK, Vijayapur at Shri Shivamurthy Swami Charantimath High School, Hittinihalli. National Girl Child Day was started during 2008 as an initiative by the Ministry of Women and Child Development and the Government of India. Drawing competition was conducted for girls and prizes were distributed for the first three best drawings. Seedlings were distributed during the occasion. Nearly 31 girls participated in the programme.



ICAR-KVK, Tumkur-I

National Girl Child Day was celebrated in KVK, Tumkur-1 with the theme of “Digital Generation, Our Generation”. On this occasion, one day training programme was organized. Shri. Omkarappa, CDPO, Tiptur inaugurated this programme and addressed the participants on girls empowerment and schemes available for empowering the girls by GOK. Senior Scientist and Head, KVK, Tumkur-1 stressed on the importance of girls education and motivated them to achieve success in their interested fields. Dr. Roopa B Patil, Scientist (Home science) and Mrs. Rekha delivered the lecture regarding Nutrition in Adolescent girls. Nearly 46 girls actively participated.



Shri. R.S. Gundwan, principal of the college and president of the programme spoke about the importance of national girl child day. Dr. R. B. Negalur, Senior Scientist and Head, KVK, Indi graced the occasion as chief guest and spoke about the child marriage system and requested to inform the concerned authorities in case of such incidents. Dr. Savita, B. Scientist (Soil Science), KVK, Indi requested the girl children’s to acquire higher education and become self reliant. Shri. Ranjit Babar, Head Master, High school also present on this occasion. Around 70 girl children were present.



ICAR-KVK, Vijayapur-II

National Girl Child day was celebrated at Shri Basaveshwar Pre University College, Bhataganaki village in collaboration with Women and Child Development Department, Indi. Smt. Savita S. Patil, lady supervisor was the resource person and explained about the various schemes available in women and child department.



SKILL TRAINING PROGRAMMES

ICAR-KVK, Bagalkote

KVK, Bagalkote organized Sheep and Goat Rearing training under Skill Training for Rural Youths from 17.01.2022 to 22.01.2022 sponsored by MANAGE Hyderabad. Under this programme 13 rural youth were imparted hands on training for various skill pertain to sheep and goat rearing



ICAR-KVK, Ramanagara

FOCT Training on "Palm tree climber"

KVK, Ramanagara had conducted 6 days FOCT training on "Coconut Palm tree climber" from 17th to 22nd of January 2022 at KVK in collaboration with Coconut Development Board for 20 rural youths for developing special skills and confidence in Coconut Palm climbing and plant protection activities for the benefit of coconut growers community as a whole. During the Programme, participants were trained on coconut production

technologies, cultivation practices, planting methods, identification of mother plants, nursery management, crown cleaning, irrigation method, fertilizer/ bio fertilizer & micro-nutrients application, palm tree climbing activity, first aid, insurance schemes, pre and post-harvest technologies and value addition. Organized an exposure visit to progressive farmer –Keshavmurthy's field at Ankanahalli, Magadi. Coconut Palm Climbing machines were distributed for the participants sponsored by Coconut Development Board. Also, conducted "Coconut tree climbing competition" to the participants and the prizes were distributed to the winners. Mrs. Preethu, D. C., Scientist (Soil Science), had taken lead to organize this training Programme.



ICAR-KVK, Haveri

The ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) conducted three day's training programme on "Scientific Dairy farming and Entrepreneurship development"

from 24.01.2022 to 26.01.2022 under the project entitled “Capacity Building of Farmers through Training Programmes on Profitable Dairy Farming and Livestock Management” sponsored by Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying, Government of India New Delhi. Dr. Mahesh Kadagi, Scientist (Animal Science), organized the training programme. Inaugurated by Dr. Paramesh Hubballi, Deputy Director (I/c), Department of Animal Husbandry and Veterinary Services, Haveri, and in his speech he briefed about adopting scientific methods in dairy farming and integrated health management of dairy animals. Chief guest of the Programme Dr. S. Kollolagi, Retd. Professor and Head (Animal Science), UAS Dharwad in his speech he emphasized on new fodder crops for dairy animals and preservation of green fodder. Dr. Ashoka. P, Senior Scientist and Head, during his presidential speech briefed about Animal husbandry depended integrated farming system and doubling the farmers income. Experts in the field of animal husbandry and agriculture participated as resource persons and delivered lecture on various topics. A total of 40 farmers benefitted from this training programme.



ICAR-KVK, Vijayapur-II

Scientific Goat Rearing

Scientific goat rearing training programme was organized from 27.01.2022 to 29.01.2022 at ICAR, KVK Indi under capacity building of farmers on profitable dairy farming and livestock management. Dr. Santosh Shinde, Scientist (Animal Science), KVK Indi welcomed all the guests and spoke about the goat rearing as a subsidiary occupation. If it is done in scientific way the farmers get higher income and become successful entrepreneur. Dr. Savita, B. Scientist (Soil Science) requested the farmers to utilize this training programme opportunity and become successful entrepreneur in goat rearing. Dr. M.S. Biradar, Assistant Director of Veterinary, Veterinary department, Babaleshwar, Dr. Rajakumar Adaki, Veterinary Officer, Veterinary department, Indi and Dr. Kanamadi, Veterinary Officer, Indi and other dignitaries inaugurated the programme by watering the plant. In technical session, Dr. Santosh Shinde, Scientist (Animal Science) gave lecture on goat breed selection, food and nutrition and their diseases. About 40 farmers participated in the event. During this training programme pre and post knowledge test were conducted to assess the knowledge gain. Certificates were distributed to trainees by Dr. R.B. Belli, Associate Director of Extension, Agricultural Extension Education Services,

Vijayapura. In his concluding remarks expressed his happiness over farmers attending voluntarily the training programme and requested the farmers to become successful entrepreneur and wished all the success to the farmers. Dr. S.S. Anjum, Scientist (Plant Protection), ICAR, KVK Indi gave vote of thanks.



ICAR-KVK, Uttara Kannada

Skill Training Programme on Food Processing and Value addition under ARYA

ICAR-KVK, Uttara Kannada Sirsi organized six days training programme on Food Processing and Value addition under ARYA- Attracting and Retaining Youth in Agriculture from 17.01.2022 to 22.01.2022 for rural youths/ farmers/ farm women of Uttara Kannada district age preferably between 18 to 40 years from Uttara Kannada district were considered for the programme. Dr. Roopa S. Patil, Scientist (Agril. Entomology) welcomed the guests and participants for the training. Dr. Ravi Y

Scientist (Home Science) and Training coordinator gave insight about the skill training. Later the programme was inaugurated by Dr. K. S. Chennabasappa, Dean, College of Forestry, Sirsi. In this inaugural speech, Value addition in agriculture is needed for the profitability of the farmers, to empower the rural youths, farm women and weaker sections of the society, to provide safe, quality and branded food to the consumers and also reduce post-harvest losses. The Guest Dr. Krishana A, Professor, CoF, sirsi expressed that horticulture deals with large group of crops having great medicinal, nutritional, health promoting values. On the other hand, value addition in horticulture is the process in which a high price is realized for the same volume of a primary product by means of processing, packing, upgrading the quality. Later presidential remarks were made by Dr. Manju M J, Sr. Scientist and Head on KVK activities and briefed about the need and importance of skill training. He also stressed that the training will help to create a pool of skilled manpower for managing the allied enterprises in a scientific way.



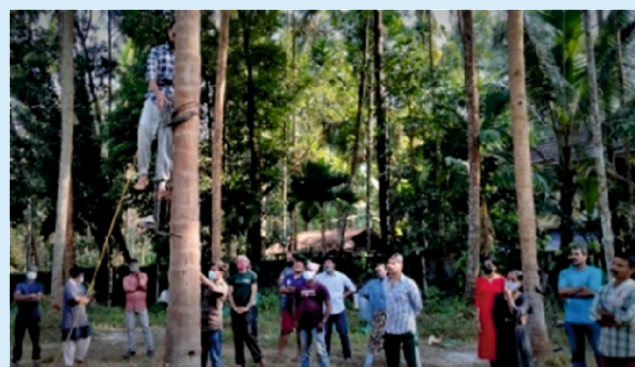


ICAR-KVK, Kozhikode

Coconut Development Board. Cochin sponsored 'Friends of Coconut Tree' skill trainings

Coconut trees covers 1.2 Lakh ha area in Kozhikode district while, its nuts production is lesser with 750 Millions. One of the major reason for production decline is non availability of manpower for nut harvesting and tree management. In order to fulfill the requirement and enhance income of farmers a measure with capacity building programmes was organized as Friends of Coconut tree with nursery establishment, plant protection aspects, mechanized coconut climbing and value added products development. Practical sessions on identification of tender and mature nuts, crown cleaning, preparation of Bordeaux mixture, mass multiplication of Trichoderma, etc with theoretical aspects on nutrient management, recycling of palm waste, intercropping and mixed cropping, fertilizer application, plant protection

aspects including identification of pests and disease symptoms and their integrated management, etc were provided. Sessions on yoga, jogging, breathing exercises, positive thinking, healthy way of living, leadership quality, communication skills, time management, decision making, Social security through savings management were special classes of this training. Forty participants were issued with coconut climbing machine and one year insurance by CDB, Kochi.



ICAR-KVK, Yadgir

Capacity development programme on "Scientific Sheep & Goat Rearing"

Capacity development programme was

organized on “Scientific Sheep & Goat Rearing” from 25th to 28th January, 2022. Dr. Amaresh Y.S. Senior Scientist & Head, Yadgir inaugurated the programme and briefed about the activities of KVK to participants Dr. Prahlad Senior Scientist & Head, KVK, Raichur, Dr. Mahesh AP, CoA, Kalburagi & Dr. Nagaraj taught scientific health management, breeding management & feeding management. Organizer Dr. Kotresh Prasad briefed about best rearing and management practices. The participants were taken to model sheep unit & fodder museum. Mr. Guruprasad Scientist (Entomology) were present. 40 participants were selected for the 3 days training and the programme was successfully completed.



ICAR-KVK, Malappuram

Capacity development of livestock farmers focussing on reproductive management in farm animals

Three days capacity development programme was conducted for live stock farmers and community resource persons of kudumbasree from 27th to 29th of January, 2022, focusing on reproductive management in farm animals. The programme was formally inaugurated by Dr Ani S. Das, Associate professor, Ex-MD of Kerala Livestock Development Board. The sessions covered in depth knowledge including reproductive management of cattle, buffalo and goats which were handled by Dr Ani S. Das, Associate professor, Kerala Agricultural University and Dr. Ibraheem Kutty C., Programme coordinator, KVK Malappuram and Dr. Mohammed Shiyas. An exposure visit to a mixed farm belonging to a progressive farmer, Mr Abdul Latheef and Dairy farm of KCAET, KAU was organised on third day, wherein practical sessions were included. An experience sharing class by Mr. Abdul Latheef was also incorporated providing opportunity for the participants to learn farmer adopted innovative management practices and marketing interventions.





ICAR-KVK, Lakshadweep

KVK, Lakshadweep organizes training on Coconut Shell Based Handicrafts

KVK, Lakshadweep organized a six-day training on handicrafts for 30 participants represented from five islands viz., Kavaratti, Agatti, Kadmat, Kiltan and Androth from 27 January to 1 February, 2022 at Kavaratti sponsored by the Coconut Development Board. The handicrafts training aimed at using the coconut shell for making handicrafts with the support of a master craftsman Mr. Sivadasan from Kerala. In the training, skill was imparted to make 10 unique products using coconut shells. The training was inaugurated on 27 January, 2022 by Mr. Pramod Kurian, Assistant Director from Coconut Development Board in the presence of Dr. P. N. Ananth, Senior Scientist and Head, KVK-Lakshadweep, Mr. Kumaravel Subramanian, Development Officer from the Board, Dr. K. Mohammed Koya, Dr. V. M. Abdul Gafoor of KVK-Lakshadweep, Mr. Shareef, District

Agricultural Officer and others. Shri. Santhosh Kumar Reddy. V, IFS, Special Secretary(Agriculture), UT administration of Lakshadweep interacted with the participants of the training and informed that the government will provide fullest support for establishing handicraft units by the trainees. The valedictory session was attended by Mr. Abdul Kader, Chairperson of Kavaratti. The Chairperson appreciated the innovative products made by the participants which can cross borders for business opportunities. During the valedictory session of the programme information on available schemes for establishing handicraft units in the island were discussed. Significantly, 30 innovative products were made by the participants and the best were awarded. Dr. P. N. Ananth, Senior Scientist and Head, KVK, Lakshadweep coordinated activities in the training.



FIELD DAYS**ICAR-KVK, Bagalkot**

Field Day on BGD-111-1 Chickpea variety was organized by KVK Bagalkote on 31.01.2022 at Mangalagudda Village of Hunagunda Taluk. Dr. Mouneshwari R Kammar spoke on the differences in the yield levels of BGD-111-1 when compared to local variety. Farmers expressed their satisfaction over the BGD-111-1. Dr. Dinesh Kumar S P, Scientist (Agronomy) explained about agronomic practices. Dr. Arjun Sulagitti, Scientist (Entomology) briefed about pests management in Chickpea. Shri S C Angadi, Sr. Technical Officer organized the programme. Sarvodaya NGO, Buyers crop Science representatives were present on this occasion. More than 30 farmers participated in this programme.



Under OFT on Assessment of High Yielding Chickpea (BGD-111-1) a Field day was organized at Benakatti village of Bagalkote taluka, by Dr. Dinesh Kumar S.P. Scientist

(Agronomy) and Dr. Sudha S. Scientist (Plant Pathology), ICAR-KVK, Bagalkote on 29.01.2022.

**ICAR-KVK, Chamarajanagara**

ICAR KVK, Chamarajanagara conducted a field day on Integrated Crop Management in Chickpea at Demahalli village, Santhemarahalli hobli, Chamarajanagara Tq., & district on 28.01.2022 under CFLD - NFSM programme. The field day was organised by Dr. Sunil. C.M, Scientist (Agronomy) and during the field day he briefed about the improved crop management practices for getting higher yield. Dr. Yogesh. G.S Scientist (Soil Science), ICAR KVK, Chamarajanagara explained about the nutrient management in chickpea and their role in getting higher yields. Mr. Adarsh. N., Agromet Observer, DAMU Project, ICAR KVK, Chamarajanagara briefed about the weather forecasting during different stages of crop. Finally, Mr. Manojkumar, Progressive

Farmer, Demahalli extended the vote of thanks to all the guests and participants. On this occasion 55 farmers participated.



ICAR KVK, Chamarajanagara conducted a Field day on Chickpea variety BGD-103 at Kotamballi village, Chamarajanagara Tq., and Dist., on 21.01.2022. On this occasion 20 farmers participated. This field day was conducted by Dr. Sunil. C.M, Scientist (Agronomy) and he also briefed about the improved crop management practices for getting higher yield and Dr. Yogesh. G.S Scientist (Soil Science), ICAR KVK, Chamarajanagara briefed about the nutrient management and its importance in chickpea.

Finally, Mr. Nagendra Swamy, Progressive Farmer, Kotamballi village expressed his happiness about the wilt tolerant and early maturing variety BGD-103 and other farmers participated in the field day requested the seeds for next season.



ICAR-KVK, Chikkaballapura

Field day on management of Yellow mosaic virus in pole bean was organised at Gidnahalli village of Chikkaballapura taluk on 31.01.2022. Dr. Papireddy, Senior Scientist and Head, KVK, Chintamani briefed about importance of integrated disease management in pole bean. Mrs. Sindhu Scientist (Horticulture) explained about different interventions like use of yellow sticky cards, bio fertilizers like trichoderma and pseudomonas and sea weed extract and their role in management of yellow mosaic virus in pole bean. Mr. Krishna Murthy, a progressive farmer shared his experiences about integrated management of Yellow mosaic virus in pole bean. 25 farmers participated in the programme.



ICAR-KVK, Gadag

Under Front Line Demonstration programme, KVK Gadag organised a field day on Vegetable Cafeteria on 19-01-2022 at Shirol village in Gadag block. Improved

varieties of Vegetable crops released by ICAR-IIHR, Bengaluru viz., Ridgegourd-Arka Prasanna, Dolichos Beans-Arka Amogh, French Beans-Arka Arjun, Multi Cut Coriander – Arka Isha, Amaranthus – Arka Verna varieties were successfully demonstrated. Vegetable farmers opined that, cultivation of high yielding varieties of different vegetable crops is more profitable compared to cultivation of single vegetable as it gives protection against price fluctuation. Mrs. Hemavathi R. H., SMS (Horticulture) briefed the vegetable growers on characteristics of high yielding varieties along with production technologies. Dr.Sudha Mankani, SMS (Home Science) spoke on nutrition aspects of vegetables. 50 vegetable growers participated in the event.



ICAR-KVK, Kodagu

Field day on Assessment of different plant growth promoting microbes for plant health management in Black Pepper

A Field day on Assessment of different plant growth promoting microbes for plant health management in Black Pepper under On

Farm Testing was conducted at Handli village on 24th January 2022. The Black Pepper crop was grown in one-acre area with all the technologies like Drenching of Arka Microbial Consortium 20 gm per lit during June and August, Drenching of IISR Bio mix 20 gm per lit during June and August and Drenching of PGPR-I20 gm per lit during June and August was tested. A total of 62 farmers, officials from Horticulture department participated in the programme. During the field day Shri. Veerendra Kumar K.V, SMS (Plant Protection) explained to the farmers about the Integrated disease management technologies implemented for management of disease in Black Pepper and also recorded the yield parameter of the plot.



ICAR-KVK, Mandya

ICAR-Krishi Vigyan Kendra, Mandya organized a field day on “Integrated Management of Murda Complex in Chilli at Bacchikoppalu village of Nagamangala taluk on 18.01.2022. Dr. Pavithra, S, Scientist (Plant Protection) enlightened the farmers about the characteristics of CMV tolerant chilli hybrid Arka Kyathi with medium pungency and the hybrid helped farmers in reduction of cost of cultivation



with respect to management of disease, in addition the information on integrated disease management practices was also provided. Dr. Atheefa Munawery, Scientist (Soil Science) explained about nutrient management practices in chilli crop. The progressive farmer Mr. Kumar shared his experience with respect to the low cost technology of disease management during the occasion. Mr. Krishnamurthy, CEO of Honakere Hobli FPO, Nagamangala and other farmer members of the FPO were present during the programme.



KVK, Tumkur-I

ICAR-KVK, Konehally, Tiptur taluk and Tumkur District organized a Field day on Cluster Frontline Demonstrations of Pigeon pea funded under NFSM at Ippadi village, Kunigal on 05.01.2021. The CFLD Pigeon pea was taken in 20.00 ha with 50 farmers. The main objective of this programme is showcasing the performance of Pigeon pea variety BRG-5 & ICM Practices among the farmers and extension officers. Dr. K. R. Shreenivasa, scientist addressed the farmers on the importance of cultivation of pigeon pea and selection of university released location specific high yielding varieties of pulses for the better yields and also for the

enhancement of soil health. Dr. Padmanabhan gave information on weather forecasting and its utilization. The programme was graced by the kvk scientists and 60 farmers.



ICAR-KVK, Udupi

Field day on Scientific Coconut Cultivation

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Indian Council of Agricultural Research, New Delhi, ICAR-KVK, Brahmavar, in association with Coconut Development Board, Bengaluru, Grama Panchayath, Irody, Kalpasiri Enterprises Sasthana organized a Field day on Scientific Coconut Cultivation at Sasthana village on 16.01.2022 sponsored by Coconut Development Board, Bengaluru. Programme was inaugurated by Smt. Kalpana, President Grama Panchayath, Pandeshwara. In the inaugural speech, she encouraged farmers to go for Scientific Cultivation of agriculture crops. Smt. Geetha Shetty, President, Grama Panchayath, Irody was presided over the function. Smt. Jyothi Uday Kumar former president Taluk Panchayath Brahmavar, Dr. Dhananjaya B, Senior Scientist & Head, KVK Brahmavar, Mr. Shekhar P, Administrative Trustee, Sri Mookambika

Temple, Kolluru were chief guests of the programme. Dr. Chaitanya H S, Scientist (Horticulture), trained farmers about scientific cultivation of Coconut and Orchard Management. Dr. Sachin U S Scientist (Plant Protection) explained about Pests and Diseases of Coconut and their management. After the programme, method demonstrations were conducted on fertilizer application and root feeding. Totally 65 farmers were participated.



FIELD VISITS

ICAR-KVK, Bagalkot

Dr. Shripad Kulkarni, Nodal Officer (KVKs), UAS, Dharwad visited FLD on Demonstration of Sustainable Sugarcane Initiative (SSI) Technology at Honnakkat village of Bagalkote taluka, along with Dr. Dinesh Kumar S.P. Scientist (Agronomy), Dr. Sudha S. Scientist (Plant Pathology) and Dr. Airdevi P. Angadi, Scientist (Horticulture), ICAR-KVK, Bagalkote on 21.01.2022.



ICAR-KVK, Kalaburgi-I

Diagnostic field visits were conducted by Scientist team of KVK, Kalaburagi to different fields of the district after reporting of various problems. Senior Scientist and head Dr. Raju G Teggelli and Dr. Zaheer Ahmed, Scientist (Pathology) visited Gola (B) village tq. Aland, Organic Sugarcane and Jaggery unit of farmer Shri Basavaraj and Sri Revappa Uppin brothers followed Natural Farming at Kadaganchi village of Aland taluka. Scientists addressing the farmers advised that old practice of Natural Farming is a boon to farmers and called upon the farmers to inculcate Natural Farming to make use of natural recourses judiciously in agriculture.



A diagnostic field visit to an IFS unit of progressive farmer Shri Suryakanth Gubbiby Dr. Vasudev Naik, Scientist (Horticulture) and Dr. Zaheer Ahmed, Scientist (Pathology) at Kapanur village for management of nutrients and disease in drumstick and citrus orchard also suggested control measures. Dr. Raju G Teggelli and Dr. Shreenivas B V, Scientist (Soil Science) visited agro-forestry and horticulture field at V. K Salagar village tq. Aland on 17.01.2022

after reporting of nutrient deficiencies and pest incidence also suggested suitable management practices of the crops to the farmer.



ICAR-KVK, Malappuram

Demonstration of different crop geometry in chilli for cost reduction through drip irrigation

Front line demonstration of single row and paired row crop geometry for cost reduction of drip irrigation is started. The demonstration is for GI variety crop of the Malappuram district, Edayur chilli. The emitters used were of 4 lph discharge and in paired system of planting, a single lateral is used for two adjacent rows. By adopting this method, it is possible to reduce the number of emitters and length of laterals used considerably. Now the plants are in the fruiting stage.



ICAR-KVK, Malappuram

Demonstration on high yielding short duration variety, VBN 8 in rice fallows

As part of FLD on high yielding short duration black gram variety VBN 8 in rice fallows, the seeds were distributed with an aim to address the utilization of summer fallows and to enhance the productivity. Farmers representative of Valappuaram, Kuruvambalam, Paloor, Pulamanthole were selected for conducting the demonstration. Seed materials, biocontrol agents, Pseudomonas & Trichoderma were distributed to key farmers of Pulamanthole Panchayath by SMS Agronomy, Ms. Prasanthi K. The variety is released from National Pulse Research Centre, Vamban. The variety is of determinate plant type with synchronized maturity and highly resistant to viral diseases.





Thakur Pedha



Bendre Bhavan



Karnataka University



Gangubai Hanagal Music Academy



Kelageri Lake



Indira Glass House



Murugha Math



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Someswar Temple



Amruteswar Temple



Tamboor Basavanna Temple



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KVK TIMES

A Window to KVKs of ICAR-ATARI, Zone-XI, Bengaluru
Vol 01 Issue 14, 16-31 January 2022



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ICAR-Krishi Vigyan Kendra, Saidapur Farm, Dharwad – 580 005

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With the guidance of



ICAR-ATARI, Zone-XI, Bengaluru



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