



KVK TIMES

A Window to KVKs of ICAR-ATARI, Zone-XI, Bengaluru
Vol 01 Issue 08, 16-31 October 2021



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UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE

Dr. S. RAJENDRA PRASAD
Vice-Chancellor

Gandhi Krishi Vignana Kendra
Bengaluru-560 065



MESSAGE

ICAR Krishi Vigyan Kendra's playing a pivotal role in imparting the knowledge to the farming community about improved agricultural technology. KVKs through their technical innovation bridging the link between research, extension system and farmers needs in the district for the sustainable welfare of the farming society.

ICAR, ATARI, Zone XI vision to record the efforts of KVKs towards enriching the socio - economic status of farmers through "KVK TIMES" is well appreciated. Its a good idea that each KVK can learn from each others working modules. Our best wishes are always with team KVK Chamarajanagara for serving farming community through various activities in a highly appreciable manner. I congratulate ICAR KVK Chamarajanagara for bringing out this document during second fortnight of October, 2021.

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

(S. Rajendra Prasad)



University of Agricultural Sciences, Bengaluru

Directorate of Extension, GKVK, Bengaluru – 560 065



Dr. N. Devakumar
Director of Extension
UAS, GKVK, Bengaluru

Message:

Krishi Vigyan Kendra's are the well framed and one of the frontline extension systems for effective dissemination of technologies for the farming community, agripreneurs and agricultural practitioners through different innovative methodologies.

KVK e-news letter is an innovative way to document the significant achievements made by each KVK in serving the farming communities of their respective districts. This also serves as a platform for cross learning and sharing of knowledge and skills among different KVK's.

I congratulate team KVK Chamarajanagara team in bringing out fortnightly e-newsletter more meaningful and useful to the extension functionaries during second fortnight of October 2021.


Director of Extension



ICAR-Agricultural Technology Application Research Institute, Zone XI

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Director

निदेशक



Foreword

Krishi Vigyan Kendras works at grass root levels providing significant (enormous) contribution through its frontline extension programmes. Aiming to improve the production and productivity, reducing the cost of cultivation and value addition with market linkage towards doubling the farmers income, KVK are doing a wonderful jobs towards the welfare of the farming community in bringing food, nutrition and livelihood security to them.

I acknowledge the partnership and support given by Dr. S. Rajendraprasad, Vice Chancellor and Dr. N. Devakumar, Director of Extension to all the KVKs under University of Agricultural Sciences Bengaluru in serving the farming community effectively and efficiently.

I appreciate team KVK, Chamarajanagara for bringing 8th edition of KVK Times in a fruitful way.

(V Venkatasubramanian)

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09 November 2021

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Dr. Chandrakala Hanagi
Senior Scientist and Head
ICAR KVK, Chamarajanagara.

Acknowledgement

I feel privileged and proud to compile and edit the 8th issue of KVK Times, which showcase the significant activities of KVK s of Zone XI. I profusely thank ATARI, Bengaluru for giving this opportunity.

I sincerely acknowledge the constant support and encouragement rendered by our Honourable Vice Chancellor, UAS, Bengaluru, Dr. S. Rajendraprasad in executing our service to farming community.

I whole heartedly thank our beloved Director of Extension, UAS, Bengaluru, Dr. N. Devakumar for his timely guidance and inspiration to carryout our activities successfully.

I pay my immense gratitude and heartfelt thanks to Dr. V. Venkatasubramanian, Director, ICAR ATARI, Bengaluru for his continuous motivation and encouragement to serve the farming community to the best of our capacities.

I extend my heartfelt thanks to Dr. Thimmappa, Principal Scientist, ATARI, Bengaluru and Nodal Officer for his guidance and support.

I sincerely acknowledge the whole Zone XI KVK family for timely sharing of their achievements.

I thank whole heartedly my entire team of KVK Chamarajanagara for their support and valuable suggestions in bringing out this issue effectively.

Senior Scientist and Head
ICAR KVK, Chamarajanagara



ICAR KVK - Chamarajanagara

Capacity Building programme on Integrated crop management in Paddy

Capacity Building programme entitled Integrated crop management in paddy was conducted on 26.10.2021 to 100 Schedule caste farmers of Y K Mole and Irasavadi village at Y K Mole, Yelanduru taluk, Chamarajanagara district by ICAR-KVK, Chamarajanagara under the ADHOC project “Enhancing the productivity and livelihood security of paddy growing SC farmers of Chamarajanagara” funded by IIRR, Hyderabad. On this occasion the critical inputs like water soluble fertilizers (28:28:0), micronutrients, carbendazim and chloropyriphos were distributed. Dr. Sunil C M, (Principal Investigator) explained the usage of plant protection chemicals. Further Dr. Yogesh G.S (Co-Principal Investigator) explained the importance of foliar spray of water soluble nutrients and micronutrients in paddy. Finally Mr. Rajath H.P, Agro-meteorologist explained the importance of DAMU and plant protection chemicals should be applied based on the weather forecast provided by KVK. Field visit to paddy plots was done by scientist and farmers.



Field day celebration of Ragi variety KMR-630

A field day on ragi variety KMR-630 was organized at ICAR-KVK, Chamarajanagara on 08.11.2021 47 DAESI students, KVK scientists (05) and agriculture college teachers (08 Nos) participated in the field day. During this occasion Dr. Sunil C. M., Scientist (Agronomy) explained the important characteristics (Short duration-95-100 days, ear head green in color, suitable for late sowing, blast tolerant and suitable for machine harvesting, grain yield of 14-16 quintals/ acre) of the ragi variety. Further, he also explained about agronomic management practices followed to get higher yield under rainfed and irrigated conditions. He also explained the seed production activities and their advantages in doubling the farmers' income. Further Dr. Chandrakala Hanagi, Senior Scientist and Head addressed the participants to share these technologies with other farmers and help them in increasing their production and by reducing the cost of production. During this occasion Mr. Abhishek P S, Scientist (Agric. Extension), ICAR-KVK, Chamrajanagra was also there.





Special Swatchhata Campaign

ICAR KVK Chamarajanagara organized Special Swatchhata Campaign at Devalapura Village (Adopted) on 12th October 2021. This programme Sr. Shivanna (Grama Panchayath Member) was Chief guest, Mr. Rajath H P SMS Agro Metrology provided information and demonstrated use of vermicompost bags for effective management of farm and kitchen waste in view of creation of waste to wealth.



Highlighted about the production of enriched vermicompost and its benefits in improving the soil fertility. On this occasion 50 vermi bags distributed to 50 farmers participated in the programme. Mr. Adarsh N (Agromet Observer) participated in the programme.



Training Programme on Vermicompost Production

ICAR KVK Chamarajanagara in collaboration with RSETI –SBI conducted training programme on Vermicompost production from 28th October to 29th October 2021 for 20 farmers. As a part of programme Mr. Yogesh G S provide information and demonstrated the production of vermicompost and enriched manure using locally available farm waste. He also explained importance of the earthworms in biological waste management and enhance the soil health and fertility. Also, the trainees were given information regarding scientific soil sampling through method demonstration of soil sampling techniques. They were explained about importance of soil testing, activities of soil testing laboratory and Azolla cultivation. Mr. Abhishek P S provided information on dosage and time of application in Organic farming.





ICAR KVK-Alappuzha

World Food Day

With the theme of “Grow, nourish, sustain together: our actions are for future” World Food Day was celebrated in the KVK on 16.10.21. An orientation programme on “Prospects of value addition of homestead fruits” was conducted on the occasion to 25 farm women from Krishnapuram Panchayath. The women were interested in value addition of their homestead fruits for food and nutritional security. In addition, about 50 students of Mathrubhoomi Seeds Club, Govt. UP School, Thakazhi also virtually participated in the programme. Smt. G.Lekha and Sri.M.S.Rajeev coordinated the programme.



Entrepreneurship Development Training Programme for farmers from Karnataka

A series of Entrepreneurship Development Training Programmes on Value added products from fruits and vegetables, and coconut for the farmers organized by ICAR-Directorate of Cashew Research, Puttur, Karnataka was initiated on 20th October, 2021. Thirty six trainees including farmers and rural youth participated in five sessions of the first batch from 20th to 25th conducted online. Value addition of fruits, vegetables, Jack fruits, banana/plantain and coconut were covered in detail.



The on-campus hands-on-training for the trainees also will be conducted soon. Dr. Anitha Karun, Acting Director, ICAR-CPCRI, Kasaragod and ICAR-DCR, Puttur inaugurated the programme. Dr.P.Muralidharan, Head, ICAR-KVK Alappuzha, Dr. M. Shamsudheen, Sr. Scientist and Training Organizer, and Dr. Aswathy Chandrakumar, Scientist and Training convenor, ICAR- DCR, Puttur addressed the trainees on the occasion. Smt. Jissy George, SMS (Home Science), KVK is coordinating and handling the sessions.





ICAR KVK-Bagalkote

KVK-Bagalkote Organized Bi-Monthly Meeting

Bi-monthly meeting was organized by ICAR-KVK Bagalakovote in collaboration with KSDA hosted by AEEC, Mudhol on 27-10-2021. KVK Scientist apprised about major pest and diseases of Rabi crops followed by visit to jaggery prosseing unit and field visit to various farmers field. Control measures for the following diseases were suggested namely Alternaria blight and Sunflower necrosis virus in sunflower, Sclerotium rot in wheat, root rot in chickpea, leaf spot in turmeric sterility mosaic in pigeon pea and onion twisting disease. Control measures for the following pests were suggested namely fall army worm in maize, Helicoverpa in pigeon pea, root grub in sugarcane and pigeon pea and chilli murda complex.



Off campus training on Integrated crop management in Ridge gourd

Off campus training on Integrated crop management in Ridge gourd was organised on 21.10.2021 by Dr. Airadevi Angadi, scientist (Horticulture), ICAR-KVK, Bagalkot at DFI village Honnakatti, 10 farmers took benefit of the program



Method demonstration of using lures in fruit fly trap and installation in Ridge gourd field

Method demonstration of using lures in fruit fly trap and installation in Ridge gourd field was conducted by Dr. Airadevi Angadi, scientist (Horticulture) and Dr. Venakanna Balaganur, Scientists (Animal Science), ICAR-KVK, Bagalkot at DFI village Honnakatti.





ICAR KVK-Ballari

World Food Day and Mahila Kisan Diwas celebrated at ICAR-KVK, Ballari

To promote global awareness and action for those who suffer from hunger, and to highlight the need to ensure healthy diets for all, World Food Day is celebrated annually on 16 October worldwide.

According to FAO, women comprise a major workforce in Indian agriculture. They participate in 48% of agriculture-related employment in India and around 7.5 crore women are actively involved in livestock management. They play a multi-dimensional role in agriculture and allied sectors. On this backdrop, October 15th of every year is celebrated as "Rashtriya Mahila Kisan Diwas".

World Food Day and Mahila Kisan Diwas were observed together at ICAR KVK Ballari on 22.10.2021 involving 60 farm women and SHGs across the district and in collaboration with ATMA, Department of Agriculture, Ballari.

Sri. Shiva Reddy G., Advisory Member, Ministry of Chemicals and Fertilizers, GoI participated in the programme as Chief Guest and stressed the need for keeping health among farm women which could boost our economy by strengthening the workforce. Dr. Ramesh B K., Senior Scientist and Head, ICAR-KVK, Ballari gave his presidential remarks on the role of women in agriculture and in ensuring the health of the family by providing nutritious food to her family members.



Dr. Shilpa H, Dr. Anand Kumar V conducted technical sessions on Nutrition for family and Vermi-compost production respectively. All the scientists and staff of KVK actively participated in the programme and made the event successful.

ICAR KVK-Belagavi - I

Self-reliant agriculture farmers convention and KVK visit.

ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 in Association with Raita Spoorti FPO, Naganur organised the convention on self-reliance agriculture farmers during 26/10/2021 at Naganur. The main motto of the convention was to build self-reliance in agriculture by sustainable organic farming practices among the Belagavi district farmers. The convention was mainly led by Param Pujya Shri. Adrusha Kadasideswar mahaswamiji, Siddagiri samstana matt, Kanneri-Kolhapur. Mahaswamiji visited the demonstration units at KVK Belagavi-1, discussed with KVK staff in the morning. The convention was started in the afternoon with Mahaswamiji's gesture, motivating farmers towards independent sustainable agriculture practices, Multi-cropping system, Integrated Farming System and many more were discussed in the convention among participating farmers.





ICAR KVK-Belagavi - II

Distribution of gow krupamruta culture to 500 farmers as key to start self reliant agriculture with it. During the convention Shri. R. M. Patil, Chairman KVK Belagavi-1 felicitated Shri. Adrusa Kadasideswar mahaswamiji. The programme was anchored by Shri Adarsh H. S. Scientist (Fisheries) KVK Belagavi-1. The convention was addressed by 1800 progressive farmers, organic farmers and department officials from corners of Belagavi and Bagalkot district made the program successful. This convention is live telecasted in KVK facebook page, recorded the event and uploaded in both KVK facebook and youtube channel.

Fish harvest and growth analysis

ICAR-BIRDS KVK, Belagavi-1 has conducted final fish harvest from KVK demo unit. Fish breeds like Pangasius, Roopchand, All Male Tilapia and Carps were harvested after 10 months of rearing. These fish stocks were the part of the OFT and Frontline Demonstration. It was observed that Roopchand and Pangasius are suitable for high density fish farming which has shown growth of 1 Kg and 1.2 Kgs respectively. Whereas local breeds such as Catla and Rohu have reached 450gms in 10 months. A total of 65 Kgs harvested in 25sqm.



World Food Day

ICAR- KLE Krishi Vigyan Kendra, Mattikopp celebrated World Food Day at Bailwad village, Bailhongal taluk on 16.10.2021. The World Food Day was organized on the theme “Safe Food Now for a Healthy Tomorrow”. The programme was inaugurated by Smt. Shilpa Morabad, Progressive Farmwomen & Entrepreneur. During the event, Dr.S.S. Hiremath Scientist (Plant Protection) emphasized on cultivating bio-fortified varieties developed to eliminate malnutrition. In recent years, malnutrition has emerged as one of the alarming problem especially in the rural areas, vulnerable to various health problems. Thus, attempts are being made to supplement nutrition through various mode viz., medical supplementation, biofortification of improved varieties and dietary diversification. Further, he called upon the farmwomen to establish nutrition garden at their backyard to ensure nutritional security. Dr.Nagesh Huilgol, Scientist (Animal Science) briefed about clean milk production and highlighted to consume at least 100 ml of milk twice a day to curtail malnutrition. This milk is rich source of nutrients like calcium, phosphorous, B vitamin and potassium. Being rich source of calcium, drinking milk everyday will prevent osteoporosis and bone fractures and help to maintain good health. The programme was concerned with the vote of thanks by Smt. Savita Hirebasagoudar, Anganwadi Worker, Bailwad.





ICAR KVK-Bengaluru Rural

Field day on Groundnut+ Bajra intercropping system

Field Day on Groundnut+ Bajra intercropping system was organized at Rokkadakatti village, Ramdurg taluk. G.B. Vishwanath, Scientist (Agronomy) stated that ICRISAT, Hyderabad and State Agriculture Universities are working on groundnut intercropping system with millets which is more advantages over sole cropping system. The combination of groundnut+bajra results in excellent yield where farmer can fetch good income as compared to the sole cropping. Bajra grows rapid in early stage and the later maturity of groundnut complement each other very well. Mrs. Sridevi B. Angadi, Senior Scientist & Head calledup on farmwomen to establish cold press oil extraction unit for their livelihood security. The cold press oil as called recent attention of consumers due to its health benefits over commercially available oil.



Vigilance Awareness Week

A nation-wide Vigilance Awareness Week on the theme "Independent India @ 75: Self Reliance with Integrity" was organized from 26 October to 02 November, 2021. As a part of event, Mrs. Sridevi B. Angadi, Senior Scientist & Head administered the Vigilance Awareness pledge to the KVK staff.

Training and Awareness programme on BEE star labelled Energy Efficient Pumpsets and Water Conservation

With the financial assistant of Karnataka Renewable Energy Development Limited, ICAR-Krishi Vigyan Kendra, Bengaluru Rural District organised one day training and awareness programme for farmers to promote use of BEE star labelled Energy Efficient Pumpsets and Water Conservation at ICAR-Krishi Vigyan Kendra, Hadonahalli on 26.10.2021.

The programme was inaugurated by Dr. A.P. Mallikarjuna Gowda, Senior Scientist & Head, ICAR-Krishi Vigyan Kendra and briefed about water saving techniques in Horticulture by adopting sprinkler and drip irrigation techniques.

Dr. J. Venkate Gowda, Scientist (Agronomy) highlighted the water conservation techniques, Dr. Hulagoora, B.F., General Manager (Retd.), NABARD participated as Resource person and briefed about the Energy conservation methods and Dr. M.N. Thimme Gowda, Professor, AICRP on Agro meteorology, GKVK, Bengaluru gave a lecture on Water conservation techniques.





Sri Dinesh Kumar, D.K. and Sri Appanna Gowdar, G. from Karnataka Renewable Energy Development Limited were participated as Resource persons and briefed on Electricity conservation by using BEE star labelled pumpsets for lifting the water and electricity saving techniques in household level.

During the programme, energy and water conservation tip sheets/brouchers were displayed and 100 members were benefitted from the programme.

ICAR KVK- Chikkaballapura

World Food Day

ICAR Krishi Vigyan Kendra, Chikkaballapura celebrated World Food Day programme at Bhaktarahalli village of Chintamani taluk on 16.10.2021. Dr. Venkataravana, Dean (Seri) along with other dignitaries inaugurated the programme. Dr. Papireddy, Senior Scientist and Head, KVK, Chikkaballapura highlighted on safe food for healthy future, Dr. Tanweer Ahmed, Scientist (Agricultural Extension) explained about importance of integrated crop management practices for healthy food production. Miss. Bhavana, Scientist (Home Science) explained about balanced diet management for healthy life style. Preparation of tomato jam and green gram Laddu were demonstrated. 62 farmers participated in the event.



Field day on Management of diseases in Bivoltine Silkworm Rearing



Field day on Management of diseases in Bivoltine Silkworm Rearing was organized on 23.10.2021 at Abloodu village of Sidlaghatta taluk. Dr. Papireddy, Senior Scientist and Head, KVK, Chikkaballapura emphasized on role of bi voltine in doubling the farmers income. Dr. Vinoda, K.S. explained about the role of Farmers Field School in facilitating the farmers for scientific understanding of disease and pest management in sericulture. Mr. Devaraja, collaborator and progressive sericulturist shared his experiences about the FFS programme and impact of different improved technologies in bi-voltine silkworm rearing.





ICAR KVK- Chikkamagaluru

Farmer's Field school: Integrated Nutrient Management for higher yield in Maize

Capacity development programme through farmer field school on integrated nutrient management in Maize: Programme was organized by I.C.A.R.-Krishi Vigyan Kendra, Mudigere, Chikkamagaluru at Beernahalli village of Kadur taluk on 22-10-2021. In this programme Dr. Dhanalakshmi, Scientist (Soil Science) briefed about the importance of integrated nutrient management in Maize and practicing INM can reduce the cost of cultivation which in turn increase the income and also explained the importance of organic farming by application of organic matter, use of manures and recommended quantity of lime to increase the soil pH for management of acidic soils and further explained about the adverse effects of using inorganic fertilizers without incorporating organic manures which has leads to decrease soil fertility. Total 25 farmers participated in this programme and got benefit out of it.



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ICAR KVK- Dakshina Kannada

Field Day Celebration on 'Management of Potassium in Coastal Paddy'

Field day including crop cutting experiments was organized by ICAR- Krishi Vigyan Kendra, Dakshina Kannada under frontline demonstration on Management of Potassium in Coastal Paddy' at Amblamogaru village of Mangaluru Taluk. Under the field demonstration activities, three split application of potassium was demonstrated during Kharif 2021 by providing free critical inputs and need-based pesticides. Over thirty two farmers, Senior officers of Zonal Agri and Horticulture Research Station and Scientists of ICAR-KVK, Dakshina Kannada participated.

Later, a Farmers-Scientists-Officers Interaction Meet was organized. Dr. Mallikarjuna L Scientist Soil Science welcomed the guests and participants and briefed about the demonstration programme at Amblamogaru village with the participation of ten paddy growers. Participating farmers on the occasion shared their experiences and provided valuable feedbacks.





Chairing the interaction meet, Dr. S M Jayaprakash, Associate Professor, Zonal Agriculture and Horticulture Research station, Brahmavar, expressed his happiness over the performance of demonstrations and advised the farmers to reduce cost of cultivation for maximizing profit in rice. He outlined all interventions like, selection of appropriate variety, seed treatment, IPM, soil test based INM, farm mechanization and post-harvest processing practices to reduce cost of cultivation. Invited guests, officers, and scientists also gave their valuable remarks.

The programme was covered through print media and social media. Progressive farmer Mr. Jayasheela shetty expressed his happiness on enhanced quality yield and told that out of fifty years of his experience in paddy cultivation this was the highest yield 29.1 qtl/acre and also explained about the method of technology adoption in his field to get higher yield to the gathered farming community. Machine harvesting was done to quantify the crop yield in presence of participant farmers for horizontal spread of the technology.

ICAR KVK- Ernakulam

Safe egg and meat production in homesteads

KVK is promoting safe egg and meat production in homesteads of the district as part of it's flagship programme Self farming for safe food. An online training on Poultry rearing in homesteads was conducted on 21st October 2021 by Dr. K Smita Sivadasan, SMS (Animal husbandry). The training covered poultry breed selection, production capacity, maturity period,



housing, feeding, watering, disease management etc. The training was attended by 140 farmers. KVK had earlier established a value chain and branded marketing facility for homestead produced eggs.

Skill up-gradation in cage fish farming for women fish farmers

The KVK Ernakulam conducted Skill upgradation programme in cage culture exclusively for women fish farmers of Ernakulam district on the occasion of Mahila Kisan Diwas on 15th October 2021. Cage culture is getting popular among women farmer groups in the district as an income generating activity. The skill upgradation programme was designed by the KVK to impart advanced skills towards enhancing production and also to impart marketing skills among the women farmers towards sustainable and profitable farming. The women self help group Henok located near Thuruthipuram in Ernakulam is identified as the torch bearer to spread the technology among more women groups in the district. Dr.P.A Vikas, SMS (Fisheries) conducted the programme. Smt.Shilja Jenson, Fisheries promoter addressed the gathering. ?





ICAR KVK- Gadag

Celebration of World Food Day

ICAR-KVK, Gadag celebrated World Food Day on 16-10-2021 at Beladhadi village of Gadag block. The event was observed with the theme of “SAFE FOOD FOR HEALTHY TOMORROW”. The event was inaugurated by President Gram Panchayat along with Community Members of the village. KVK Scientists spoke on the importance of celebration with emphasis on quality production of food grains, better nutrition, safe environment and better quality of life. Topics related to establishment of nutri-garden and millet nutrition were covered. Exhibition on various types millets and value added products was arranged. More than 80 farmers and farm women participated in the programme.



ICAR KVK- Kodagu

Mahila Kisan Diwas

ICAR- KVK Gonikoppal, Kodagu celebrated the Mahila Kisan Divas at KVK campus on 15th October, 2021. Forty-two tribal farm women attended the programme. Dr. Suresh SMS (Livestock) and Shri. Veerendra Kumar SMS (Plant protection) welcomed the gathering. During the programme Mrs. Lakshmi R (Farm Manager) spoke about Women nutrition and Women empowerment in agricultural sector. She also emphasised that 50% of the farmers in the country are farm women and therefore it is appropriate that Mahila Kisan Diwan is being celebrated in recognition of women farmers. Later Mrs. Rashmi Banuprakash who is an entrepreneur incubatee at KVK Kodagu, spoke about different income generation methods for women. A demonstration was conducted on mushroom cultivation as an income generating enterprise. At the end of the programme vegetable seed kits and mushroom ready to fruit bags were distributed to all the women participants.





ICAR KVK- Haveri

Five-day training programme on solid waste management and segregation

ICAR-KVK Gonikoppal, Kodagu in collaboration with Mahatma Gandhi institute of rural energy and development, Bangalore and Tip Session Charitable Trust organized a five-day training programme on solid waste management and segregation for women SHGs of Kodagu district at KVK-GONIKOPPAL from 25th to 29th October 2021. Resource person from solid waste management spoke about waste management, its classification and various end uses if segregated properly. The trainees were given practical knowledge on solid waste segregation and composting of wet waste. The day-to-day scientific management of waste and its benefits were explained to the trainees. KVK expert also demonstrated the scientific mushroom cultivation process by using agriculture farm waste such as hay and also demonstrated the compost making process at KVK Athur farm. A total of thirty-five farm women who are SHG members from different panchayats, participated in the training programme.



Field Day on Bunch Care Technologies in Banana crop



KVK, Haveri conducted field day on Bunch care technologies to maximize yield in Banana on 21.10.2021 at DFI village Yadgod, Rattihalli Taluk. Bunch care technologies like application of Arka banana special @ 5 gram/liter, during 5th month after planting, 4 sprays at monthly interval, denavelling – removal of male bud after appearance of last hand in bunch, bunch feeding through the distal end of the bunch peduncle after denavelling and bagging of bunch with poly propylene covers after emergence of last hand were demonstrated. Farmers expressed their positive opinion regarding Bunch care technologies adoption and their role in yield enhancement. Totally 25 farmers participated in the field day.





ICAR KVK - Idukki

Entamopathogenic nematode application for root grub management

Method demonstration on Entamopathogenic Nematode application was conducted at farmer's field of small cardamom against root grub. Front Line Demonstration on ICAR-NBAIR Wettable Power formulations of *Heterorhabditis indica* @ 4-5 kg/acre were carried out in small cardamom fields at Senapathy village in Idukki district in an area of 250 Ha. This technology could reduce the small cardamom root grub incidence by 62-78%. ICAR-KrishiVigyan Kendra, Idukki has distributed more than 11250 Kg of WP- EPN formulation to the farmers for the management of root grubs in small cardamom from 2012 to 2021. The conditions and practices that affected the use of EPNs for integrated pest management (IPM) are identified from multi-locations. Besides, efforts have been made to address such practices in various ways that grasp their effective approaches, identify research priority areas, and allow refined techniques. Additionally, sampling factors responsible for obtaining more EPN isolates with differential pathogenicity and better adaptation to control specific pest(s) are under discussion.



Specific improvements of EPN production, formulation, and application technology are reviewed which help in their wider use. Other diverse factors that optimize EPNs to constitute a cost-effective, value added approach to IPM are also demonstrated. Method demonstration of EPN application was conducted by Mr. Sudhakar. S, SMS(Plant Protection), ICAR-KrishiVigyan Kendra, Idukki

ICAR KVK - Kalaburgi - II

Field day on multicut sorghum cofs-31 fodder seed production

Field day on high yielding multicut sorghum CoFS-31 fodder seed production was organized at Mandewal village Tq. Jewargi Dist. Kalaburgi by ICAR-KVK, Kalaburgi-2 (Raddewadgi) in collaboration with Channabasava Fodder Seed Harwal Tq. Jewargi Dist. Kalaburgi on 25.10.2021.

During the event Dr. Sanjeevkumar Bellad, Sr. Scientist & Head made his inaugural remarks by explaining the activities of KVK and process of seed production. Dr. Manjunath N. Scientist (Agronomy) detailed about high yielding multicut sorghum CoFS-31 and their nutritional properties, improved agronomical practices for seed production as well as fodder production for cattles and ruminants.





ICAR KVK - Kannur

Popularisation of Trichoderma coir pith cake (TCPC): A farmer friendly technique for Budrot management



Dr. Vikram Simha H.V., Scientist (Processing and Food Engineering) briefed the farmers about entrepreneurship activities under seed production. He also explained the economics of fodder seed production over conventional crops of the region.

Dr. Basavaraj Kadanavar Scientist (Agril. Entomology) addressed the farmers about the pest and disease management in different fodder crops and also gave information on pest and diseases of Cotton and Pigeonpea crop.

Sri. Gollalappa, farmer village Mandewal Tq. Jewargi Dist. Kalaburgi shared his experience of production of fodder crop to the other farmers. He expressed that CoFS-31 is a draught tolerant and also sustained high rain fall. He is hoping to get 7.5 q/ha yield in the first cutting. KVK Contact farmer and entrepreneur Sri Shivanand Bhosagi, Harwal Tq. Jewargi Dist. Kalaburgi also present during the event and explained about the contract farming of Fodder seed production. A total number of 65 farmers witnessed the event.

Bud rot is a fatal disease of coconut palm, characterized by the rotting of the terminal bud and surrounding tissues. It affects the palms of all ages, but young palms are found to be most vulnerable. The disease is caused by the fungus *Phytophthora palmivora* and the incidence is found to be severe during monsoon when the relative humidity is high. In recent years budrot incidence is severe in Kannur district due to large scale adoption of hybrid coconut types for cultivation. Therefore it is necessary to manage this fatal disease for a profitable coconut cultivation



Low cost formulations and delivery system are necessary for wide adoption of bio-control of plant diseases using microbial antagonists. Though several plantation crops wastes or by-products including coir pith are used for multiplication of *Trichoderma* species, an attempt has been made by CPCRI, Kasargode to develop a low cost commercial product with long shelf life and high population of antagonist.





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Considering these facts, a technology has been developed to prepare a commercial product viz., Trichoderma coir pith cake (TCPC) using maida flour and Trichoderma harzianum biomass by CPCRI, Kasargode.

After conducting the FLD on budrot management with the Trichoderma coir pith cake (TCPC), Krishi Vigyan Kendra, Kannur has decided to popularize this new, simple, low cost and environment friendly technology throughout the Kannur district. And to ensure the continuous supply of trichocake to the entire district, KVK Kannur established a production unit at the centre. Programme Coordinator Dr. Jayaraj P has signed the Memorandum of understanding for the technology transfer of Trichocake from CPCRI, Kasargode on 29th September 2021 and started the large scale production of trichocake from October 20th onwards.

Geographical Indication Tag for Kuttiyatoor Mango

Kuttiattoor mango, a popular and tasty traditional mango cultivated in Kuttiiattoor and the nearby gramapanchayats of Kannur District received GI Tag through the concerted efforts jointly undertaken by the IPR Cell of the Kerala Agricultural University (KAU), the state department of Agriculture Development and Farmers' Welfare, Kuttiyatoor Mango Farmer Producer Company as well as the farmers. Kuttiyatoor Gramapanchayat in collaboration with Krishi Vigyan Kendra Kannur organized one day workshop on Comprehensive Agricultural Development in the light of GI tag recognition for Kuttiyatoor Mango.



Workshop, focused on development of other agricultural crops along with Kuttiyatoor mango to obtain sustainable income for farmers was led by Dr. Jayaraj P., Programme Coordinator. Sri. Adarsh K. K., Agricultural Officer, Kuttiyatoor, Sri. Nijilesh Paramban, Vice President Kuttiyatoor Panchayath, Smt. Anitha K. C., Standing Committee Chairman (Development) and Sri. V. O. Prabhakaran, Director, Kuttiyatoor Mango Producers Company and Sri. R. P. Sahadevan, Haritha Keralam delivered felicitation for the workshop.

ICAR KVK - Kolar

Inauguration of KVK, Kolar Administrative building

The ICAR-Krishi Vigyan Kendra, Kolar happens to be India's 631st KVK and only KVK under the aegis of University of Horticultural Sciences, Bagalkot. The KVK's new administrative building was inaugurated by Kum. Shobha Karandlaje, Honourable State Minister for Agriculture & Farmers Welfare, Government of India on 22nd October, 2021.





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In her inaugural speech she mentioned that, KVKs serve as knowledge and information hub for regional problems of various crops and other allied agriculture sectors in the locality. Soil and water analysis is done in KVKs, and she evoked farmers to take advantage of such facilities and advised that only based on soil health card, farmers need to apply optimum quantity of nutrients to crops. KVKs also help in diagnosis of pest and diseases in various crops and advise their management practises and many KVKs are disseminating information regarding advanced technologies through social media. KVKs are also giving information on weather forecasting and weather based crop advisories to farmers. The Minister also emphasised that tomato is the identified product for Kolar under One District One Product(ODOP), so establishment of processing industries, marketing facilities and export opportunities through APEDA can be done to double the farmer's income.



In continuation, she also mentioned about International year of Millets 2023, which will help to get better marketing opportunities for locally grown millets like ragi, sorghum, bajra and minor millets.

Shri. S. Muniswamy, Honourable Member of Parliament, Kolar assured for better marketing and storage facility along with minimum support price for tomato for assured income to farmers. He also highlighted KVKs role in minimizing the chemical residues on vegetables and opined that, Kolar farmers stand as model famers to the entire country because of higher productivity and quality produce with efficient use of scarce water. Shri Y. A. Naryanaswamy, Honourable Member, Legislative Council opined that Kolar district stands first in adaptation of micro irrigation system there by increasing the productivity per drop i.e. more crop per drop. Adoption of precession farming techniques will still help in increasing the efficiency of farm inputs.



Shri. K. Srinivasa Gowda, Honourable Member, Legislative Assembly Constituency, Kolar in his presidential remarks appreciated the KVK activities and asked to reach the unreachables and opined that minimum support price for various crops will ensure better returns to farmers. Dr. A.K. Singh, Deputy Director General (Agricultural Extension), ICAR, New Delhi joined the occasion through online platform and highlighted the importance of KVK activities and its objectives to double the farmers income.





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Dr. K. M. Indires, Honourable Vice Chancellor, UHS, Bagalkot welcomed all the dignitaries present in the inaugural function. Shri M. Shivamurthy and Smt. B. SumitraDevi, Honourable Members, Board of Management, UHS, Bagalkot have also graced the occasion. Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Zone-XII, Bengaluru, Dr. S.I. Athani, Director of Extension, UHS, Bagalkot, Dr. Selvamani, Deputy Commissioner, Kolar, Shri. Ukesh Kumar, CEO, ZP, Kolar, Smt. Shwetha Shabarish, President, Municipal Corporation, Kolar and other dignitaries of the district graced the occasion. The Honourable Minister and other dignitaries have been explained about recent technologies of UHS, Bagalkot like Apical stem cuttings for quality seed tuber production in potato and crop specific micro nutrient consortia for potato through actual specimens. A successful women entrepreneur trained by KVK, Kolar has displayed various value added products made from Minor Millets and Amla which were witnessed by the Honourable Minister. During the occasion a micronutrient mixture development by KVK in the form of Potato Special, several folders and a booklet on successful entrepreneurs developed by KVK were released by the Honourable Minister and other dignitaries.





ICAR KVK - Kollam

Karshika Karma Senas “Farm Workers Army” - A solution to the acute shortage of labourers

In Kerala one of the major reasons for the farmers to refrain from Agriculture is higher wages of labourers and poor quality of work. Karshika Karma senas were constituted in different grama panchayats under Agriculture Department to find a solution to the acute shortage of labourers with an objective to create a labour bank of well trained, disciplined force for providing regular and uninterrupted supply of labourers on reasonable/ standardized wage rates on demand/call. This will help to create a service bank of technicians and plumbers etc. for agricultural purpose and also generate employment opportunities to the poor, unemployed rural and urban people. It also envisages dignity to farmers as well as labour force. In addition, it would bring fallow land into cultivation with reduced cost of cultivation.



To achieve these objectives, Karshika karma senas need to be equipped with the agricultural implements and modern machineries for crop production which are required for immediate agricultural operations, bio input production and nursery management.



To strengthen the technical skill of members of Karshika karma senas a 10 days training in operation, repair, service /maintenance of agricultural implements and machineries including bio input production and nursery management were conducted at KVK, Kollam. The trained persons can act as para agricultural workers in their respective blocks. Thus can tackle the problems of mechanisation in agriculture, bio input production and supply vegetable seedlings. Their services can also be used by the block as well as the neighbouring blocks. We have conducted capacity development programme for technicians of 11 Karshika Karma senas of Kollam District with 25 participants each.





ICAR KVK - Koppala

Popularization of weather based apps and automatic weather station to students of agricultural college, Gangavathi

ICAR-KrishiVigyan Kendra, Gangavathi (Koppal) had conducted programme on Popularization of weather based apps and automatic weather station to students on 22-10-2021. Nearly 40 students were participated in this programme in which Dr. FakeerappaArabhanvi, Subject Matter Specialist (Agro-meteorology) had given a lecture on popularization of weather based apps and explained the role of DAMU activities in agriculture and suggested to doagricultural activities based on the forecast to enhance agricultural productivity.He has also mentioned the importance of Meghdoot app launched jointly byIMD and ICAR. He explained about Meghdoot app, process of installation, wayof use, weather forecast and crop specific advisory bulletin which isavailable in this App. Further he informed about the installation procedure of DAMINI LIGHTNING ALERT APP for precaution measures.



ICAR KVK - Kottayam

Training programme on Integrated Nutrient Management to Fertilizer Dealers

Central Training Institute under the Directorate of Extension of Kerala Agricultural University in collaboration with KVKs is conducting Certificate course on Integrated Nutrient Management (INM) for the fertilizer dealers of the state. Three days training on the practical aspects of the course was conducted at KVK Kottayam.



ASCI training on small Poultry

ASCI capacity development programme on small poultry farmer conducted at ICAR-KrishiVigyan Kendra, Koppal.





ICAR KVK - Kozhikode

Nutrismart village - Kottur

The participants included fertilizer dealers from Kottayam, Idukki, Ernakulam and Alapuzha districts of Kerala. Fifteen participants who had registered for the certificate course took part in the training programme. The training programme included different aspects of integrated nutrient management, importance of soil testing and fertilizer recommendation based on soil test result, scientific techniques for soil sampling, methods of preparation of manures and compost and importance of FYM, green manures, enriched compost, vermi-compost in enriching soil fertility and as an effective way to manage organic waste. The importance of Soil Health card and recommendation of suitable amendments to enhance crop productivity was explained. Hands on training was given on simple qualitative laboratory tests for assessing purity of fertilizers and detecting common adulterants in fertilizers. Specification and nutrient content in fertilizers and method of handling, storage and transportation of fertilizers was demonstrated. The participants got acquainted with the scientific methods of application of fertilizers, manures and biofertilizers to enhance nutrient use efficiency and optimize fertilizer use. The sessions were handled by the scientists of KVK Kottayam and Regional Agricultural Research Station, Kumarakom.

Krishi Vigyan Kendra, Kozhikode observed Special Swachhta Campaign on “Wealth from Waste” by cleaning of vegetable garden area of Mulad Parakunnathu, Kottur Anganwadi. Fruit saplings, vegetable seeds, cool season vegetable seedlings and mushroom spawn were also distributed and planted at the premises. The programme was inaugurated by Dr P. Ratha Krishnan, Programme Coordinator, KVK, Kozhikode and attended by resident women and students of that area. An awareness programme on “Nutri-garden” and “Waste disposal especially segregation of plastic wastes” were organized by Ms A. Deepthi, Subject Matter Specialist (Home science), KVK. Smt Sowmini, Anganwadi teacher welcomed the participants and Dr K.K. Aiswarya, Subject Matter Specialist of KVK delivered vote of thanks. The programme is envisaged to initiate of thirty nutri-gardens at KVK Doubling farmers village: Kottur.





ICAR KVK - Malappuram

World Food Day

KVK Malappuram celebrated world food day on 16th October in DFI Village, Pulamanthole. On this day, the planting materials of bio-fortified sweet potato varieties, Bhoosona (vitamin A rich sweet potato), Bhookrishna (Anthocyanin rich sweet potato) distributed to fifteen selected women farmer representing Kudumbasree JLGs in DFI Village, Pulamanthole.



The programme aimed to promote these bio-fortified varieties as promising components in achieving nutritional security and to hasten the horizontal spread of the technology. The event was inaugurated by Pulamanthole Panchayath President Smt. Soumya and Ms. Prasanthi, SMS (Agronomy) handled a session on nutritional peculiarities of the varieties and good agricultural practices in sweet potato cultivation to the group.

Diploma in Agricultural Extension Service for Input dealers

The input dealers are the first point of contact to majority of farmers and shaping these dealers into para extensional professionals to enable them to address the everyday problems faced by the farmers at field level will bring a paradigm shift in agriculture. For this transformation, MANAGE, Hyderabad in collaboration with ATMA, SAMETI and KVK designed the one year Diploma in Agricultural Extension Service for Input dealers.



KVK Malappuram being the nodal training institute of the programme, awarded diploma to the first batch of Malappuram district consisting of 40 input dealers. The Hon. MLA Dr. K.T. Jaleel inaugurated the valedictory cum certificate distribution ceremony of DAESI, Malappuram on October 23rd of 2021.





ICAR KVK - Mandya

Celebration of Mahila Kisan Diwas

Krishi Vigyna Kendra, V.C.Farm, Mandya celebrated 'Mahil Kisan Diwas-2021' on 15.10.2021 at ICAR-Krishi Vigyan Kendra, V.C.Farm, Mandya. The programme was inaugurated by Sr. Scientist and Head, KVK, Mandya. Dr. Kamalabai Koodagi, Scientist (Home Science) addressed the farmers and farm woman on regarding importance of Mahila Kisan Diwas, role women in agriculture, Low cost nutri rich foods, health and hygiene, drudgery reduction, Kitchen garden management, Medicinal and aromatic plants and their uses during COVID-19 situation. All Scientists and Staff were present. More than 43 Farm woman were participated in the programme.



World Food Day

World Food Day was celebrated ICAR-Krishi Vigyan Kendra, V.C.Farm, Mandya on 16.10.2021 by The programme was inaugurated by Sr.Scientist and Head, KVK, Mandya and he explained the importance of World Food Day, Future of migration with adoption of Rural Development and Food / Nutritional Security, ill effect of migration on cities and ways to improve rural areas specially with respect to infrastructure and agriculture related enterprises keeping rural youth in mind. This day is celebrated on October 16, which marks the creation of FAO in 1945. On this occasion an exhibition was organized on 'Nutritious Food preparation for good health'. Winner were awarded with prizes. Totally 68 farmers and farmwomen were participated.





ICAR KVK - Mysuru

Production of Nanjangud Rasabale diseases free planting material through Macropropagation

Nanjangud Rasbale, which has been given the Geographical Indication tag, has been almost devastated by fusarium wilt, a fungal disease. So severe has this disease been that it has reduced the cultivation of the crop to about 10 acres of land.



To revive this banana variety, ICAR-JSS KVK, Suttur has initiated to produce disease free planting material and multiply through a new method i.e. Macropropagation, which is a new method developed by NRC Banana and successful in other varieties of Banana. Hence, a simple, farmers friendly method which fulfil the gap in supply of healthy planting material. This method generates plantlets from sword suckers as initial explants and farmers can adopt to enhance the planting material production and conserve Nanjangud Rasbale right in their back yards.



Hydroponics Fodder Production Unit

ICAR JSS Krishi Vigyan Kendra, Suttur has installed a new hydroponic fodder production unit in the KVK campus. The unit was purchased from Bengaluru based Start-up Company named “Hydrogreens” which is collaborated with ICAR-NIANP, Bengaluru for research studies. The hydroponic fodder production unit is made up of PVC pipes with dimensions 3.5 ft x 4 ft x 8 ft. The unit consist of 0.5 hp AC motor pump, 4 racks, 8 sprinklers, 16 plastic trays, automatic timer and UV protected shade net. The plastic trays are specially designed for hydroponic fodder production and to check fungal attacks. An automatic timer is installed for micro sprinkle of water at designated times.



The unit has capacity to produce around 8-9 Kg of fodder per day. On a trial conducted at farm, using 2 Kg of maize seeds around 8.1 Kg of fodder was obtained on 8th day. The quality of maize seed is important for better production of fodder while attention to be given on fungal growths. The cows consumed hydroponic fodder without any reluctance and the palatability of hydroponic fodder is acceptable. The cost of production depends on the price of maize in the market, and it is around Rs. 4/Kg of hydroponic fodder.





ICAR KVK - Pathnamathitta

Mahila Kissan Diwas

KVK celebrated Mahila Kissan Diwas on 15th October 2021. As part of the programme Cookery class for the members of Kaveri Self Help Group and KVK staff was organized for creating awareness on importance of Nutrient rich snacks. The class was lead by Ms. Gity Mohan, Project Manager, State Resource Centre (SRC) for Jackfruit of KVK. On the occasion farmer's seminar on the theme "Equity and Empowerment" was also organized to create awareness among women on importance of being equal and empowered in the society for achieving transformational economic, environmental and social changes required for sustainable development. As part of the programme KVK also honoured 3 women, Smt. Anu John, Smt. Usha Joy and Smt. Shoba Ravindran to mark their contributions in the field of agriculture development. The programme was inaugurated by Dr. C.P Robert, Senior Scientist and head, KVK, Pathnamathitta. Mr. Alex John, Dr. Sindhu Sadanandan, Dr. Sency Mathew and Ms. Ambily Varughese also expressed their views on the need for empowerment of women in the society. A total of 65 people participated in the two programmes being organised as part of the celebration.



World Food Day

KVK Pathanamthitta Celebrated world food day on 16th October 2021 with the title theme "Our actions are our future – better production, better nutrition for a better environment and a better life". As part of the programme KisanGosthi for the member of entrepreneur support centre was organized for creating awareness on importance of Nutri-cereals. The members demonstrated "ragimudde" preparation during the session. On the occasion an online training programme on "Millets – Crops for Good Health, Nutritional Security and Climate Resilience" was organized for Anganwadi workers and women beneficiaries of Koipuram Block. The programme was presided over by Dr. C.P. Robert, Senior Scientist and Head, KVK Pathanamthitta and inaugurated by Rev. VinodEaso, Director, MarThoma Centre for Rehabilitation and Development, Thelliyoor. The training session was lead by Dr. Shana Harshan, Subject Matter Specialist (Home Science). Dr. SindhuSadanandan, Subject matter Specialist (Agrl. Extension) also delivered talk on the theme. 195 participants attended the programme.





ICAR KVK - Raichur

Success story

In his 85 acres of agricultural land, he grown cotton, pigeonpea, sorghum, chickpea, groundnut, Horticulture crop like, brinjal, capsicum, tomato, chilli, bitter guard, European cucumber, forest plants like teak & neem. Due to scarcity of water, he has adopted rain water harvesting system in his own expenses & from the rain water harvested he adopted solar pump set. From the farm pond he is providing drip irrigation to his 30 acres of land. He is also practicing vermicompost, poultry, dairy and sugarcane juices are being produced. By his innovative ideas 10-12 farmers are following his methods. Land preparation, using of bio-fertilizer & pesticides application has been reduced which intern increases income.



Best farmer award from UASR on 2017 Adopted technologies

Bitter gourd followed by Indian broad bean grown in staking method by adopting drip irrigation through solar system. Bitter gourd seeds are sown in double row system to save input cost of drip lines. Locally available wooden poles are staked in criss cross manner for longer durability and also harvesting of fruit to the interior of vines also easy. Indian broad bean is also sown as relay crop for higher and sustainable income. Fellow farmers are happy with the result and 10-12 farmers adopted the technologies in their fields.

ICAR KVK - Ramanagara

Field day on High yielding Ragi variety KMR-630

ICAR - KVK, Ramanagara in collaboration with Department of Agriculture, Magadi organised a field day on high yielding Ragi variety KMR-630 on 09-11-2021.

Dr Dinesha, M.S., Scientist (Agronomy) briefed about the special features of KMR-630 variety and integrated crop management in Ragi crop. During the programme he told that KMR-630 is a short duration variety suitable for late Kharif and for the farmers who can take up double cropping system under rainfed condition, where they can take up Cowpea, Field bean or Sesame as pre Kharif crop and after the harvest of the crop they can take upsowing of KMR-630 variety in the month of August.



Dr. Lata R Kulkarni briefed about the value added products preparation from Ragi. More than 25 farmers /farm women from Halasabele and Basavanagudipalya of Magadi taluk participated in the programme.





Traning and awareness program on “energy efficient pumpsets and water conservation”

ICAR-KVK, Ramanagara in collaboration with Karnataka Renewable Energy Development Limited, Bangalore organized a Training and Awareness Program on “Energy Efficient Pumpsets and Water conservation” for farmers of Ramanagara district on 27.10.2021 with the objective of creating awareness on sustainable energy efficiency by adopting star labelled pumpset which helps in 30-40% energy saving in Agriculture.

Dr. N. Devkumar, Director of Extension, GKVK Bangalore inaugurated the function and highlighted that proper irrigation system, high efficient pumpset and good agriculture practices to be ensured in attaining sustainable food production. He also emphasized that adoption of drip irrigation system could increase water productivity there by fetching high yield and income in Agriculture.

Mr. Dinesh Kumar, Project Engineer, KREDL, Bangalore highlighted that in Karnataka more than 70% electricity consumption is being recorded in Agriculture sector. Hence, replacing the inefficient pumpsets by star labelled pumpsets and adoption of solar energy, Hydro/wind energy could reduce about 30-40% energy requirement in Agriculture.



Dr. Thimmegowda, Professor (Agronomy), AICRP (Dry land in Agriculture), GKVK, Bangalore briefed about the soil and water conservation measures to be followed by farmers. Water waste due to over use of irrigation water in Agriculture affects the environment, soil erosion, low soil fertility. Optimal use of water not only helps to conserve natural water resources, but also increases water productivity, yield and ensures quality crop. Mr. Umesh, DDA, Ramanagara revealed that by adopting drip irrigation system, storage ponds for rain water harvesting, bore-well recharge unit and selection of crops & cropping system helps in improving water efficiency. Dr. Savita S Manganavar, Senior Scientist and Head, KVK Ramanagara urged that increase in the food productivity is our prior duty to beat the hunger of world. Adopting new technologies, mechanization, efficient use of water and energy, soil and water conservation could help to attain sustainability in Agriculture. During this program, farmers visited various demo units at KVK and were briefed about soil and water conservation methods, different varieties of crops and recycling and reuse of farm waste. All the scientists and staff of KVK, Department officials and more than 100 farmers from Magadi, Ramanagara, Kanakapura, Channapatnata luk participated and were benefitted.





ICAR KVK - Shivamogga

Skill oriented capacity development programme on Processing and value addition in finger millet and pineapple

ICAR-KVK, Shivamogga, conducted skill oriented capacity development programme on Processing and value addition in finger millet and pineapple from 26th to 28th October 2021. During this programme, Dr. Jyothi M. Rathod, Scientist (Home science), delivered the lecture on Value-added products of finger millet and pineapple. Later, practically demonstrated how to prepare the different products of finger millet viz., Khara, Chakli, Laddu, Malt and also Pineapple Jam, Squash and Juice. Leelavathi, extraineer shared her experience regarding value addition of finger millet and Pineapple. Prepared products were tasted by participants. Totally 11 youth participants were attended and benefitted from this programme.



ICAR KVK - Thrissur

World Food Day

ICAR- Krishi Vigyan Kendra, Thrissur launched the 'KVK Poshaka Gramam' programme - an Institution-Village linkage programme for promoting nutri smart living at the tribal village of Thamaravellachal, Peechi. The major objective of the programme is to help the marginalised segments to achieve food nutritional security, through promotion of nutrigardens and eat-right food habits. 'KVK Poshaka Gramam' programme envisages income generation through scientific production, post-harvest processing and value addition of fruits, vegetables and indigenous crops and food products. Pananchery Grama Panchayath President Sri. C. P. Raveendran inaugurated the programme in a function presided over by Smt. Ajitha Mohan, Panchayath Ward Member by handing over vegetable seedlings to establish nutri gardens in each Adivasi household, to the Moopan (Chief) of Thamaravellachal Adivasi Colony. Dr. Suma Nair, Programme Co-ordinator, KVK, Thrissur welcomed the gathering and indicated that KVK will be giving priority for food and nutrition security of the most marginalised segments of the society through the 'Poshaka Gramam' Project at Thamaravellachal. Dr. Aneena E.R, Assistant Professor, KVK Thrissur proposed the Vote of Thanks.





ICAR KVK - Trivandrum

Farmer Testifies Mosaic Resistant Okra Variety Anjitha

Thamaravellachaalis an Adivasi (Tribal) colony in the Peechi Forest area in Thrissur district with about 55 families residing in the forest. The importance and need for household nutrition was taught to them through initial contact programmes. As a result, they are now motivated to cultivate nutrigardens in their backyards. Planting materials and critical inputs were distributed as a part of this programme to help establish these nutrigardens as part of this village adoption programme. A focussed group discussion was conducted by Dr.Sulaja O.R., Assistant Professor, College of Agriculture to technically analyse the farming conditions, major crops and agricultural issues of the tribal community. A group of farmers were identified and entrusted with the monitoring of the progress of farming. A session on healthy food habits nutritional needs was handled by Dr. Aneena E,R., Assistant Professor, KVK. A group of women who are interested in food processing were also formed, for whom need based trainings were planned at Krishi Vigyan Kendra. A training session on vegetable cultivation with special focus to the safe management of pest and diseases was handled by Dr. Deepa James, Assistant Professor, KVK as a part of the programme.

The name Anjitha evokes a cool and positive feeling in my heart. My name is Sunil Kumar, Sruthy Vilasam, Mancha P.O., Nedumangad, Trivandrum. Farming is my passion and livelihood. I have been struggling for a while due to the restrictions enforced in connection with the Covid pandemic situation. The heavy unseasonal rains are a severe blow to our already down trodden condition. Despite of all these adversities, we are being able to reap a bumper harvest from Mosaic resistant Okra variety Anjitha. In my experience Yellow Vein mosaic disease often caused havoc in okra cultivation. In several instances, I have lost almost the entire crop and very often I had to refrain from okra cultivation for the fear of crop loss.





Anjitha variety was introduced to us through the Front Line Demonstration programme of Mitraniketan KVK, Trivandrum. We have been told that, Anjitha variety was released by Kerala Agricultural University particularly for Trivandrum District. Unlike other Okra varieties that I have tried so far, Anjitha does not suffer from any serious pest and disease infestations. I have been able to raise the crop without resorting to any pesticide application. Even the heavy rains have not affected this variety. I am being able to produce safe to eat vegetable and hence there is a great demand for the produce. I am able to sell the produce at Rs.40/kg from my field itself without even transporting it to the market and the crop proved to be very remunerative.

Farmers to get improved okra variety

TIMES NEWS NETWORK

Thiruvananthapuram: Mitraniketan Krishi Vigyan has introduced the improved okra variety Anjitha to farmers in connection with its front line demonstration programme.

The harvest festival of Anjitha variety of okra held at Kulakode in Velland panchayat, was inaugurated by Binu John Sam, senior scientist and head of Mitraniketan KVK.

Manju Thomas, horticulture specialist of KVK explained that the Anjitha variety of okra developed by Kerala Agriculture University is found to be resistant to yellow vein mosaic disease.

Bindhu R Mathews, plant protection specialist of KVK explained about the various management measures to be adopted against pest and disease infestations in crops due to climate changes.

Farmers who attended the event also testified the disease resistant nature of Anjitha variety of okra and hoped that the yields would also be very favourable, making the crop economically sound.

This Front Line Demonstration programme of Mitraniketan KVK has reinstated my confidence in Okra cultivation and I have wholeheartedly accepted Anjitha variety of okra. I acknowledge the efforts of Mitraniketan KVK, in introducing this variety, with a deep sense of gratitude.

ICAR KVK - Tumkur - I

Graduation Programme for Agri Input Dealers (DAESI)

ICAR-KVK, Tumakuru-1 has organized graduation day for DAESI (3rd batch) students on 26.10.2021. Dr. N Devakumar, Director of Extension, UAS Bangalore presided the function and Dr. Y G. Shadakshari, Director of Research, UAS Bangalore inaugurated the graduation programme for Diploma in Agricultural Extension services for input dealers (DAESI) and awarded certificates to 3rd batch of DAESI candidates. Dr. Pennoboli Swamy, Nodal officer, SAMETI, Bangalore, Smt. Rajasulochana, JDA, Tumkur witnessed and graced the programme. Dr. O. R. Nataraju, Senior Scientist & Head and Scientists of KVK were present during the programme. There were 38 DAESI candidates who received the certificates.

“Agricultural Extension Scientist Award – 2021”

Dr. K. R. Shreenivasa, Scientist (Plant Protection), ICAR- Krishi Vigyan Kendra, Tumkur I, awarded “Agricultural Extension Scientist Award – 2021” in appreciation of his Outstanding Contribution to Agricultural Extension Activities in ICAR-KVK Centers by Dr. B. Vasantharaj David foundation Chennai, during the 3rd National Conference on “Recent Advances in Crop Protection including IPM and Environmental Sciences from GLP Perspective” held on 17-10-2021 at Chennai 600116, Tamil Nadu.





ICAR KVK - Tumkur - II

**Farmer Field School on
Onion seed production**

A Group meeting under Farmer Field School on Onion seed production was conducted on 22nd October 2021 at Hosahalli Village, Bukkapattana Hobli, Sira Taluk. In this programme 25 farmers participated and learned about the selection of bulbs and other important techniques of seed production in onion and other potential varieties of ICAR-IIHR, Bengaluru. Dr.Somashekhar SMS Plant Breeding shared his experience on seed production activities and farmers were provided with inputs like Arka Microbial Consortium, Vegetable Special, Neem and Pongamia Soap to practise Good Agriculture Practices. Shri K.N.Jagadish SMS (Agril. Extension) along with Shri Thipperudaraiah, CEO, SWAVALAMBI Agriculture Producer Development Organisation, Bukkapatna, coordinated the event.



ICAR KVK - Vijayapura-I

World Food Day

In order to mark the anniversary of the founding of the Food and Agriculture Organisation (FAO) of the United Nations, every year, World Food Day is celebrated across the globe on October 16. This day aims at tackling global hunger and striving to eradicate hunger across the world. World Food Day was established in November 1979, suggested by former Hungarian Minister of Agriculture and Food Dr Pal Romany. It is celebrated by more than 150 countries around the world. Our actions are our future- Better production, better nutrition, a better environment and a better life" is the theme of World Food Day 2021. Krishi Vigyan Kendra, Vijayapura organized World Food Day on October 16th, 2021. The programme started with ICAR song. One of the final year students who are attached to KVK for learning experience welcomed the gathering. The introductory remarks and importance of the programme was given by the student.





The programme was inaugurated by the Senior Scientist and Head, Dr. Shubha S. In the introductory remarks, she highlighted regarding the non wastage of food , eating of healthy diet, avoidance of junk foods etc. Training was given on Balanced diet and nutrition for a healthy life by Dr. Prema Patil, Scientist, Home science. Dr. Vivek Devarnavadagi, Scientist, Agri. Engineering, Dr. Shivlingappa Hotkar, Scientist, Plant Protection and Shri S.C.Rathod, Senior technical Officer were present on the occasion. The programme concluded with a vote of thanks. Thirty four participants were present on the occasion.



ICAR KVK - Vijayapura-II

Visit to fodder bank model promoted under FLD

On 23.10.2021 Animal Scientist of KVK, Vijayapura-II (Indi) Dr. Santosh Shinde Visited the fodder plot maintained by Mr. Mahantesh teli native of Manankalagi Village of Chadachana taluka. He has been provided with multi-cut fodder seeds like CoFs-31, Lucerne and Co-5 (Hybrid Napier) cuttings under FLD demonstration.

He is cultivating these fodder varieties in one acre land and this model has enabled year around supply of fodder to buffaloes and goats reared by him. Further, this model has helped to enhance the milk productivity by 10-15 % and this indirectly helping the farmer to achieve extra Rs 20,000 income. In future he has planned to extend the fodder area to rear more number of animals.



Mahila Kisan diwas

ICAR Krishi Vigyan Kendra, Vijayapura-II (Indi) organized Mahila Kisan Diwas on 15.10.2021. Dr. Santosh Shinde Scientist (Animal Science) and welcomed all the participants to this programme. Dr. Savita B. Scientist (Soil Science) presided the function. Dr. Santosh Shinde Scientist (Animal Science) gave lecture on rural empowerment through small poultry farming. He explained about women can harness the poultry farming opportunity. A video developed by KVK Vijayapura (Indi) regarding shown to farm women. They interacted with scientist and clarified their doubts. Around 52 participants participated in the programme.





ICAR KVK - Wayanad

Helping hands to the beginners in Bee keeping

Apiculture or Bee keeping can be approached as commercially viable enterprise for increasing the income of farmers. Seven day training programme was organised by KVK Wayanad on Apiculture on the topics Morphological adaptations, pollination efficiency, value addition of honey, management of pests and diseases, etc. Welcome speech was done by Dr. Deepa Rani C.V, Asst. Professor, KVK Wayanad and Dr. Allan Thomas (Programme Coordinator, KVK Wayanad) addressed the programme. The programme was inaugurated by Smt. Hafsath C.K, Ambalavayal Panchayat President. Vote of thanks was given by Dr. Safia N.E (Assistant Professor, KVK Wayanad). Field visits were also conducted as a part of the training programme. Classes were dealt by eminent faculties of KAU, HortiCorp and Masterfarmers.



World Food Day

The theme on World Food Day, 2021 was “Our actions are our future”. Hence to inspire farm families to contribute to the nutritional security of the households. The gathering was addressed by Dr. Allan Thomas, Programme Coordinator, KVK Wayanad. The training programme was organised on the topic “Homestead Nutrigarden” to 51 women farmers dealt by Dr. Safia N.E, Assistant Professor, KVK, Wayanad. Vegetable seedlings of chilli, tomato, ladies finger, cabbage and cauliflower were distributed to all the participants to start with making a nutrigarden in their own households.



Swachh Bharat Abhiyan

KVK Wayanad took a lead role in evoking a sense of responsibility among the students through the Clean India Movement. Final year B.Sc Agri students from College of Agriculture, Thiruvananthapuram was given training on greening the campus. They involved in the clean green campaign programme of KVK Wayanad and took part in fruit tree planting. Dr. Allan Thomas, Programme Coordinator, KVK Ambalavayal, Dr. Indulekha V.P and Mrs. Ashitha M.R, Assistant Professors, KVK, Ambalavayal led the campaign.



CHELUVA CHAMARAJANAGARA

**Chamarajeshwara
Temple**



**Male Mahadeswara
Temple**



**Himavad
Gopalswamy
Temple**



Biligirirangaswamy Temple



**Hulugana
Muradi
Sri Venkateshwara
Temple**





Bandipura National Park



Bharachukki Falls



Gundal Dam



Suvarnavathi Reservoir

ICAR KVK Chamarajanagara



KVK TIMES

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

Vol 01 Issue 08, 16-31 October 2021

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