



KVK TIMES

A WINDOW to KVKs of ICAR- ATARI, Zone-XI, Bengaluru
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Agricultural Technology Application Research Institute Zone- XI, Bengaluru



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Message

Krishi Vigyan Kendras are playing a significant role in importing the technological support and serving as knowledge hub in the districts to the farming community. These centres are addressing the local needs and constraints faced by the extension clientele through their mandatory activities.

Krishi Vigyan Kendras are involved in increasing the production and productivity of various crops by bridging the gap between the research system and farming community.

The activities of the KVKs many times go unnoticed. In order to showcase KVK activities the ICAR-ATARI Bengaluru, zone XI has created a plat-form to present the programmes and activities through e-newsletter “KVK TIMES” brought out fortnightly.

I congratulate Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, zone XI, his team and all the members of each KVK family for their collective efforts in bringing out the “KVK TIMES” emphasizing the KVK activities of this fortnight. I wish from bottom of my heart that the KVK system take our agriculture profession to new horizon.

(S. Rajendra Prasad)

Dr. N. Devakumar
Director of Extension
University of Agricultural Sciences, Bangalore.



Prelude

Krishi Vigyan Kendra (KVK) is a Farm Science Centre created by Indian Council for Agricultural Research (ICAR) and its affiliated institutions at the district level to provide various types of Agricultural technological support to the agricultural sector.

KVK play a vital role in conducting wide range of capacity building to the farmers besides on-farm testing and front line demonstrations to demonstrate location-specific agricultural technologies and functioning as knowledge and resource centres of agriculture technology supporting initiatives of public, private & voluntary sectors for improving the agricultural economy of the district and are linking the NARS with extension system and farmers.

It is my immense pleasure to appreciate the innovative idea of ATARI, Bengaluru in bringing out the significant activities of KVKs in the form of KVK TIMES which would help in cross learning and replicating the innovative ideas and activities of different KVKs.

A handwritten signature in blue ink, appearing to read 'Dr. N. Devakumar', with a stylized flourish at the end.

Dr. V. Venkatasubramanian
Director, ICAR-ATARI, Zone XI, Bengaluru



Foreward

Agriculture is the main stay of our country and is becoming more time critical and information intense business. KVKs play an important role in dissemination of technologies from the research system to the farmers. Primary goal of KVKs is to bring transformation in farm families through technological interventions and planning marketing strategies in those with rapidly changing social, political and economic conditions.

KrishiVigyan Kendra is an effective extension institution and is serving as repository of scientific knowledge that is useful to the entire district in its jurisdiction. There are 48 KVKs established under Zone XI which includes states of Karnataka, Kerala and Lakshadweep.

*All KVKs are performing well by adopting innovative extension methods. Cross learning would motivate the scientist to do the job in better way. Hence “**KVK TIMES**” would provide the platform for all the KVKs of the zone to share their valuable information. I congratulate Dr. M. Papireddy, Senior Scientist & Head and team KVK Chikkaballapura for bringing this issue in the hands of readers.*

Dr. V. Venkatasubramanian
Director, ICAR-ATARI, Zone XI, Bengaluru

Dr. M. Papireddy
Senior Scientist and Head
ICAR, KVK, Chikkaballapura



Acknowledgement

It gives me an immense pleasure to compile and edit 'KVK TIMES' from 1-15, November, 2021. I would like to express my profound gratitude to ATARI, Bengaluru for giving us this great opportunity.

I would like to express my deepest sense of gratitude and heartfelt thanks to our Honorable Vice Chancellor, UAS(B) Dr. S. Rajendra Prasad for his constant support and encouragement in overall development of KVK.

I Sincerely thank our beloved Director of Extension UAS, Bangalore, Dr. N. Devakumar who inspires us to carry out our duties with perfection and motivate us to serve the farming community to the best of our abilities.

It is a matter of great privilege for me to express my profound gratitude to Dr. V. Venkatasubramanian, Director and all principal scientists and staff of ICAR ATARI Zone XI, Bengaluru for their overwhelming support and infusion of new ideas to take up our future endeavors.

I would like place on record my sincere thanks to all my colleagues from KVK family of Zone XI for sharing range of their activities which they performed in recent past for the benefit of farmers.

At last but not least, I thank wholeheartedly my entire team of KVK, Chikkaballapura for their constant support and valuable suggestions to make this issue come out with emanate.


(M.Papireddy)

KVK-Chikkaballapura

Training on Integrated Farming System

ICAR-KVK, Chikkaballapura in collaboration with District Agriculture Training Centre, Chintamani organized a training programme on Integrated Farming System. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) highlighted the need and importance of integrated farming system for sustainable income. Farmers were taken model IFS farm at KVK instructional farm. 110 farmers participated in the programme.



Best Stall Award during Krishimela

University of Agricultural Sciences, Bangalore organized Krishimela from 11th - 14th, November 2021. All seven KVKs of UAS, Bangalore together had put a stall under theme of agricultural technologies for doubling farmers' income. Theme includes the strategies like productivity enhancement, reduction in cost of cultivation, crop diversity and value addition and market intelligence. KVK stall was awarded with best stall award during the event.



Field day on Groundnut

Dr. M. Papireddy, Senior Scientist and Head, KVK, Chikkaballapura participated as resource person in Kisan ghosti and field day organized by Department of Agriculture at Bangarpete taluk. He explained the farmers about varietal characteristics of Kadari Lepakshi variety of ground nut and also emphasized on important production technologies in ground nut cultivation.



KVK-Alappuzha

NICRA Phase II activities initiated at Edathua Village

ICAR-Krishi Vigyan Kendra Alappuzha initiated technology demonstrations under the "National Innovations in Climate Resilient Agriculture" project Phase-II at Edathua village of Kuttanad Taluk. Sensitization meeting for the Grama panchayath members and other stakeholders was conducted at the panchayath conference hall in the presence of Smt. Mariamma George, President of the Edathua grama panchayath. As part of the project implementation, Village Climate Risk Management Committee (VCRMC) was formed for institutionalizing the programme on long term basis in the village.

Dr. P. Muralidharan, Principal Scientist and Head, ICAR-KVK-Alappuzha, elaborated the impact of climate change in crop production and the resilient practices proposed to be implemented in the village.



Training on preparation of compost from aquatic weeds for vegetable cultivation

A capacity building programme on 'Preparation of compost from aquatic weeds for vegetable cultivation' was organized for the farmers of Pandankari of Edathua panchayath. Method demonstration on 'preparation of activated EM solution and its usage' also was conducted. Dr. K. Sajnanath, SMS handled the sessions. 15 participants were present in the programme.



KVK- Bagalkote

FFS on Chilli

Farmers Field School on Chilli was conducted in Tumba village of Hungund taluk on 02-11-2021. Mr. Siddappa C. Angadi briefed about the FFS. Dr. Airadevi P. Angadi delivered lecture on different chilli varieties and seedling production and Dr. Sudha S delivered lecture on pest management in chilli.



Field Visit

KVK Scientists made a field visit to Chickpea (BGD-111-1) certified seed production fields at Benakatti village of Bagalkote taluk, on 12.11.2021.



KVK-Ballari

Field day on redgram under NFSM

ICAR-KVK, Ballari in collaboration with Department of Agriculture organized a field day on redgram under NFSM at

Sidaginamola village in Ballari taluk. Dr. Ravi S., Soil Scientist, KVK, Hagari explained about importance of soil nutrient status and production potential of redgram. Dr. M.R. Govindappa, Scientist (Plant Pathology) addressed the gathering on plant protection measures for effective control of diseases and pests and ways to enhance productivity. Assistant Director of Agriculture, Ballari taluk and other department officials were present during the programme. 70 farmers participated in the programme and interacted with the scientists on various aspects of redgram production.



Award for his contribution in the field of extension activities. Dr. M. H. Marigowda State level award for best horticulture farmer was honoured to Mr. T. M. Aravind, Doddatumkur, Doddaballapur taluk who is also a member of Board of Management, UAS(B). Can Bank State level best farmer award was given to Navikram. C from Lakshmidvipura, Doddaballapur taluk for adoption of best technologies and practices in agriculture.



KVK-Bengaluru Rural

Bengaluru Rural District bestowed with maximum Krishimela Awards

It's a great honour that three prestigious awards of Krishimela 2020-21, UAS, Bangalore were bagged by Bengaluru Rural District. Dr. A.P.Mallikarjuna Gowda, Senior Scientist and Head, ICAR – KVK Bengaluru Rural District was bestowed with Dr. Dwarakinath Best Extension Worker

KVK Belagavi-1

KVK Tukkanatti farmer got Plant Genome Savior Farmer Recognition.

ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 farmer Shri. Shivagowda M. Patil from Chikkodi taluk was honored with national level plant genome saviour award from PPV & FRA, New Delhi. KVK Belagavi-1 nominated the farmer for the

above award in 2018-19 for his effort in conservation of 188 horticulture crops. The farmer successfully conserved and cultivating 72 banana varieties, 12 mango varieties, 8 guava varieties, 4 Jack fruit varieties and 92 other horticulture crop/ varieties in his farm. The award was presented by Union Minister of Agriculture and farmer's welfare, Govt. of India, Shri. Narendra Singh Tomar and Union Minister of State Agriculture and farmer's welfare, Govt. of India, Shobha Karandlaje madam during award ceremony at NASC complex, Pusa, Delhi.



KVK-Belagavi-II

Celebration of Foundation Day

ICAR-KLE Krishi Vigyan Kendra, Mattikopp celebrated 106th Foundation Day of host organization KLE, Society, Belagavi at KVK campus on 13.11.2021. Inaugurating the celebration Mrs. Sridevi B. Angadi, Senior Scientist & Head expressed

that KLE Society is recognized as world class renowned leader in education and health care. Its network of 275 institutions spread over in India viz., Karnataka, Maharashtra, Goa, Delhi etc is fulfilling the educational needs across all regions of the country and abroad. Employing over 16,000 dedicated staff, the KLE Society a public charitable educational organization, registered under the Bombay Public Trust Act, 1950 enjoys an unrivalled status of excellence in providing quality education not only to its present 1,25,000 students but also geared up to the future requirements of the 21st century, right from kindergarten school to post-doctoral levels. On this occasion, one day training programme on Organic farming was organized to the farmers and farmwomen of the region. Two progressive Organic farmers Shri. Iranagouda Patil, Katakol and Shri. Neminath Bill, Hanabarhatti were felicitated for their remarkable contribution in the field of agriculture. S.M. Warad delivered the opening remarks, Praveen Yadahalli welcomed the gathering and G.B. Vishwanth extended vote of thanks. Scientists and staff members of KVK participated in the programme.



KVK- Calicut

Nutri-gardens pave way for healthy living

KVK, Calicut, Kerala took up an innovative programme nutri garden with emphasis on year round nutritional security among farm families with the establishment of nutrition gardens in every household during 2018-19 in its adopted villages. Beneficiaries were imparted training on different technologies to house wives of selected villages. This intervention has resulted in regular consumption as per the recommendation. The programme was implemented with special emphasis on SC/ST community.



KVK-Chamarajnagar

Assessment of nursery worker under ASCI – RKVY

Training programme was conducted from 25.06.2021 to 20.07.2021. In order to train the participants regarding nursery activities of horticulture industry; impart skill in vegetative propagation techniques like layering, grafting, budding, cutting etc., in horticulture crops and creating self employment generation opportunities for rural youth through skill development. As a result of the programme it was found that two participants started nursery at small scale (Mr.Shashikumar, Doddatuppur village and Mr. Mahadevaswamy, Terakanambi village); Mr. Harsha and Mr. Chethan are selecting mother palm blocks for beginning coconut and Areca nut nursery; Mrs. DevakiPrabhath and Mrs. Prabhamani shown interest in ornamental nursery activities.



KVK- Dakshina Kannada

Agriculture waste management through decomposing cultures

Dakshina Kannada District comprise of plains, hilly and costal region that is characterized by heavy rainfall during kharif and high humidity zone. The Total geographical area of the district is 477381 ha of which 27 per cent is covered by forests and 33 per cent is under crop cultivation. It is seen that on an average 12-15 tons of organic wastes including livestock waste, crop residues and forest wastes/ha/year is at present available across the district. Hence, it is essential to decompose the organic matter in a scientific manner for improving and maintaining soil fertility. By applying of aerobic microbial mixture into farm waste it is possible to generate approximately 6-8 tones required amount of well decomposed and nutritionally rich compost/FYM from farm waste of one acre every year. In this regard, ICAR-Krishi Vigyan Kendra, Dakshina Kannada organized a capacity development programme under OFT on decomposing cultures for compost preparation at Koila village of Kadaba taluk. Farmers were trained through method demonstration and compost cultures were provided to assess its efficacy.



KVK- Davanagere

Participation in Krishimela

ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere participated in the Krishi Mela organised by Keladi Shivappa Nayaka Agricultural and Horticultural Sciences University, Shivamogga during 12th and 13th November 2021. Models, charts and technologies of BaKaHu (BalekayiHudi), minor millets, terrace and kitchen garden, taralabalu banana special, azolla, dwarf coconut varieties, climate resilient technologies were exhibited. The scientists of KVK briefed these technologies to visiting farmers.



KVK-Dharwad

Celebration of Vigilance Awareness Week

On the occasion of 75th year of Independence celebration- Azadi Ka Amrit Mahotsav, KVK, Dharwad celebrated Vigilance Awareness Week from 26th October to 1st November, 2021 at KVK premises. Vigilance pledge was taken during the programme under the leadership of Dr. S A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad and took pledge to support anti-corruption activities and fight against corruption. Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad created the awareness about vigilance and importance of vigilance week celebration. Dr. Praveen Gorogi, Senior Technical Officer, ICAR-KVK, Dharwad explained about the programme to teachers, School children and farmers which play a important role in eradicating the corruption and maintain the highest standards of integrity, transparency and good governance and also integrity pledge was taken by teachers, school children, farmers/ farm women.



Participation in Krishi Mela 2021

UAS, Bengaluru

UAS, Bengaluru conducted “KrishiMela” for the year 2021 from 11-14 November, 2021 under the theme of “Agricultural technologies for doubling farmers’ income”. Dr. Prasanna Kumar B. H., Scientist (Agronomy) and Dr. Praveen T. Goroji, Senior Technical Officer of ICAR-KVK, Dharwad represented UAS, Dharwad. The technologies released by the University along with technological products were show cased. The information in the form of charts, specimens, live samples were demonstrated for the benefit of farmers. More than 3.00 lakh farmers visited the University stall.





Lecture delivered for input dealers

The Directorate of Extension, UAS, Dharwad and Department of Soil Science and Agriculture Chemistry, UAS, Dharwad jointly organized 15 days training programme on Integrated Nutrient Management from 9-23 November 2021 for fertilizer dealers of Haveri district. During the training programme, Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad delivered lecture on types of organic fertilizers; compost, green maures, vermicompost and agriculture crop residues, concentrated organic fertilizers and production. 30 participants of Haveri district were benefitted.



KVK-Gadag

Exhibition of KVK technologies

An event “Raitharondige Ondu Dina” (A day with farmers) was organised by the Gadag District Administration, Zilla Panchayat and Department of Agriculture on 9th November, 2021 at Konnur village in Naragund block. On this occasion, ICAR KVK Gadag showcased its technologies and technology products through exhibition. The exhibition stall was inaugurated by Shri B.C.Patil, Honourable Minister of Agriculture, Government of Karnataka. He interacted with the KVK Scientists on the various technologies displayed in the exhibition. Shri P.C.Gaddigoudar, Honourable Member of Parliament, Bagalkot graced the occasion. Improved varieties of Groundnut (DH-256), Kadari (Lepaxi-1812), Onion (Bheema Super), millet varieties, value added products of millets, improved varieties of grass and fodder were the main focus of exhibition. Technologies related to bore well recharging, cashew cultivation, redgram based intercropping systems were displayed. More than 2000 farmers, farm women, students and extension personnel visited the stall.



KVK-Idukki

IISR-Black Pepper Special spray for nutrient management in Black Pepper

Method demonstration on IISR Black pepper special spray was organized as a part of front line demonstration on best management practices in black pepper. IISR- Black Pepper Special a technology developed by ICAR-IISR, Kozhikode is a nutrient mixture which contains magnesium, potassium, zinc and boron as a single formulation. Technology assessment and demonstration of the technology has shown that IISR- Black Pepper applied vines were less spike shedding (5%), less yellowing (4.0%), less fungal incidence (2.1%) and have also recorded higher dry pepper yield of (10.25 to 11.25 q/ha) compared to farmers practice yield range of (5.6 to 8.0 q/ha). To accelerate the adoption, KVK, Idukki has produced and supplied to 6,600 farmers.



KVK- Kalaburgi-1

Rapid Roving Survey and e-Pest Surveillance

A rapid roving field survey and e-pest surveillance was conducted for pests and diseases of major crops of Kalaburagi district during 2021-22 in collaboration with Karnataka State Department of Agriculture, Kalaburagi, ICAR-Krishi Vigyan Kendra, Kalaburagi and Zonal Agriculture Research Station, Kalaburagi each team consists of one technical person *i.e.* Scientist from University of Agricultural Sciences, Raichur and KSDA officials for control measures and publicity of pest and disease surveillance at field level to the farmers of different taluks of Kalaburagi district at 90% flowering stage of the redgram crop.



KVK-Kannur

Cluster Front Line Demonstration on Oilseeds

Large scale demonstration of sesame was initiated in tribal areas of Kannur district in convergence with Kudumbasree, the Self Help Group of women in Kerala. As part of utilising barren lands in high hills of Kannur district and to ensure income to tribal community, the venture was taken up by Kudumbasree with technological guidance and inputs from KVK Kannur. To overcome low productivity of local varieties, HYV seeds were supplied along with adoption of proper seed rate, sowing practice suited to the area and thinning, along with IPM techniques. The better performance of varieties is expected to popularise the cultivation of sesame in unutilised area of Kannur in the coming years which will contribute to additional income for marginal and small farmers. High yielding and popular variety of Sesame, Tilak and TMV-7 were taken up for the demonstrations. In the midst of Covid, technical guidance was provided to field staff of Kudumbasree and HYV seeds supplied to the different groups. Monitoring and field visit was conducted to Anayadi

area of Payyavoorpanchayat by KVK scientists.



Capacity Building Programme for Extension Functionaries

KVK Kannur organized a capacity building programme for field level extension functionaries of Department of Agriculture Development and Farmer's Welfare on 12th November 2021. District Technology Manager, Area Technology Managers and Block Technology Managers of Agricultural Technology Management Agency (ATMA) participated in the programme. Trainees were oriented about new technologies in agriculture and allied sectors, possibilities of convergence of department and university and new projects/programmes of KVK. Field level problems faced by farmers were discussed in the programme.



Farmer-Scientist Interface on Wetland Ecosystem Management

A farmer-scientist interface was conducted on 11th November 2021 at KVK Kannur for discussing sustainable wetland ecosystem management through comprehensive development of paddy cultivation. Paddy farmers from different parts of Kannur district participated in the programme. Integrated Nutrient Management, Integrated Pest and Disease Management, crop rotation, processing, value addition and marketing of rice were discussed in different sessions handled by subject matter specialists of KVK.



KVK-Gonikoppal

Training programme on micro nutrient management in plantation crops

ICAR-KVK Gonikoppal, Kodagu in collaboration with Puthari FPO conducted a training programme on use of nano structured silica in crop nutrition on 8th November 2021. Dr. Mahesh and Mr. Joseph of VROVA Agri biotech explained in detail about the use of silica in crop nutrition and its benefits. Dr. Saju George,

Senior Scientist & Head, KVK, Gonikoppal, Mr. RanaPonnanna, CEO, Puthari FPCL, KVK scientists and thirty farmers participated in the programme.



KVK-Kolar

Rajyothsava Prashathi at District level for Women entrepreneur

KVK, Kolar trained and developed successful women entrepreneur Mrs. Rathnamma from Gundamanatta village, Srinivaspura taluk was honored with Kolar District Zilla Rajyothsava Prashasti on 01.11.2021. She had participated in five days vocational on-campus training programme on Women empowerment through value addition, marketing and health benefits of minor millets. Further, raw material required for processing unit apart from providing subsidy to establish minor millets processing unit by Department of Agriculture, Kolar.KVK also helped to get FSSAI and GST number for marketing. She also been awarded with Best Farm Women award at Taluk and District level by UAS,



Bengaluru and First Prize in food show organized by Department of Women and child development, Kolar.



KVK-Kollam

Technology week celebration of KVK, Kollam

KVK, Kollam organized technology week from 8th to 12th November, 2021 about food and nutritional security and sustainability. KVK Kollam celebrated its Technology Week captioned “ATHIJEEVANAM- 2021 with the main objective of accelerating the transfer of technology process especially from land to lab and effecting wider diffusion of innovations. The programme includes farmer scientist interactive sessions on various topics pertaining to agriculture, seminars, exhibition, experience sharing progressive and successful farmers and agro clinic. Dr. Bini Sam, Professor and Head welcome the distinguished guests and participants Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru delivered special address. In his special address he explained the role of Krishi Vigyan Kendras in India and reminded

KVKs to remain as a knowledge centers and to empower farmers. The technology week celebration served as a platform for technology dissemination, farmer-scientist interaction, display of technological products and experience sharing.



KVK-Koppal

Technical workshop for veterinary extension workers

Department of Animal Husbandry, Koppal along with KVK, Koppal organized one day technical workshop for veterinary extension workers. The workshop was inaugurated by Dr. Nagaraj.H. Deputy Director, Koppal and explained in detail about the programmes and benefits available in Animal Husbandry and Veterinary services Department. Dr. Krishnappa.B. Scientist, NIAMP, Bangalore explained briefly about artificial insemination in small ruminants. Dr. Arun, Veterinary officer Gangavathi narrated in detail about the NAIP programme. Dr. Mohammed Rafiq veterinary officer Gangavathi explained detail about the animal survey. More than 40

veterinary extension workers were benefited by the workshop.



Field day on Site Specific Nutrient Management in Paddy

Field day on Site Specific Nutrient Management in Paddy was organized by KVK, Gangavathi on 08.11.2021 at Hanawal village of Gangavathi Block. Dr. M. V. Ravi, Senior Scientist and Head gave a lecture on nutrient management in Paddy, Sri. Narappa G. (Technical officer, Farm management) had given a lecture on “Water management in Paddy, Smt. Farzana Korabu. (Technical officer, Soil Science) explained about the nutrient management based on Soil testing, Dr. Fakeerappa Arabhanvi (SMS, Agrometeorology) had given a lecture on Use of Agriculture Apps and Kum. Mamatha Madli (Agromet Observer) had explained about the weed management in paddy.



Field day on Weed Management in Paddy

Field day on Weed Management in Paddy was organized by KVK, Gangavathi on 11.11.2021 at Karatagi Block. Sri. Narappa G. (Technical officer, Farm management) had given a lecture on “Weed management by scientific irrigation in Paddy. Dr. Fakeerappa Arabhanvi (SMS, Agro meteorology) had given a lecture on Use of weather based apps and Kum. Mamatha Madli (Agromet Observer) had explained about scientific use of herbicides in paddy.



KVK-Lakshadweep

Manure from Fish waste

Fish waste management is one of the thrust areas of development in Lakshadweep islands. One of the key outcomes of any intervention in this area is towards converting the fish waste (recycling) in the form of manure or fish feed. In this regard, KVK-Lakshadweep requested to provide a small scale machine from ICAR-CIFT,

Kochi for the production of fish manure from fish waste. The machine was provided to KVK-Lakshadweep, Kavaratti. The machine was commissioned on 2nd October, 2021 by Shri. Rajnath Singh, Hon'ble Minister for Defense, Govt of India at Kavaratti. The intended machines are to train the entrepreneurs in producing fish waste to manure and feed. The machine has been operated since first week of November, 2021. The first round of trial has been provided to a youth trained in fish manure making. The first round of produced manure has been provided for nutrient analysis and also an on farm trial has been proposed for testing the manure for nursery rising of Amaranthus in farmer field. To create a larger impact ICAR-CIFT, Kochi has planned to organize a training programme for entrepreneurs in the island towards manure making from fish waste.



KVK- Malappuram

Inauguration of Farmer's Facilitation cum KAU golden jubilee reception counter at KVK

Farmers' facilitation cum reception counter was constructed at the courtyard of KVK main building to receive the farmers visiting the KVK for various purposes and to provide complete information and services to the farmers at their maximum convenience, regarding KVK activities, products available, ongoing programmes, upcoming activities, advisories and to clarify their doubts and concerns. Honorable Director of Extension of KAU, Dr. Jayasree Krishnankutty unveiled the counter on October 28, 2021 during the occasion of 18th SAC meeting in the presence of the SAC members including higher officials of the university, government departments, Heads of nearby KVKs, invited farmers KVK scientists and other staff members.



Diagnostic visit to paddy fields

A diagnostic visit lead by KVK scientist was conducted in Velladu Padasekharam in Elamkulam panchayath on November 12, 2021. The paddy variety “Uma” was heavily affected by bacterial leaf blight in 5 ha Padasekharam. The KVK officials recommended Streptocycline + copper hydroxide application to control the infection and bleaching powder application @ 2kg/ha for reducing further spread of the disease.



Eco-fruit - New ARYA Enterprise

A group (three members) of ARYA (Attracting Rural Youth in Agriculture) trainees of KVK, Malappuram started a new enterprise of processed products from passion fruit, mango and guava. KVK expert team visited the firm to assess the activities and for further refinement in the needful areas. Now they are marketing ready to serve drinks of passion fruit, mango and guava across Kerala.



Launching of Common Facilitation Centre.

KVK, Malappuram initiated activities of common facility centre in order to support the farmers who lack technical knowhow, time and equipments for processing of their agricultural produce. Now, farmers can bring their produce to KVK processing unit for making into value added products of their choice. Properly packed final produce can be taken for marketing or domestic use. Launching the facility, one farmer Mr. Abdul Samad brought 10 Kg ‘Kunnan’ variety of banana for drying in the common facility centre at KVK. Processed the banana using cabinet dryer available at the centre and well packed final product was handed over to farmer collecting usage fee at a minimum rate.





KVK- Mudigere

Front line demonstration on Gift Thilapia in Farm Pond

Krishi Vigyan Kendra, Mudigere, Chikkamagaluru has conducted demonstration on Gift Thilapia in farm pond at G.Hosahalli village of Mudigere taluk on 09-11-2021. Dr. Krishnamurthy, A.T., Senior Scientist and Head, KVK, Mudigere, briefed about the importance of fish farming and advised the farmers that there are about 2000 farm ponds in Chikkamagaluru district and farmers can use these ponds for fish farming as a means to gain the additional income and their livelihood security. Dr. Sathish, Scientist (Home Science) explained the importance and storage of fish and also practically demonstrated the use of lime in recommended quantity for the maintenance and management of Gift thilapia fish in farm pond. Further, gift thilapia fingerlings were distributed to the farmers. Total 30 farmers were participated in programme.



KVK-Palakkad

Giant African Snail invasion- Sensitization programme and control strategies

Due to massive invasion of Giant African snail, people of Thrithala grama panchayath were struggling in their farm and houses. They approached KVK Palakkad for seeking a comprehensive solution. KVK Palakkad initiated sensitization programme in collaboration with state agriculture department and local self government. As the first step, KVK made sure that farmers and local people are completely aware about the agriculture menace and health hazards of snail invasion. As a part of the programme KVK demonstrated the practical application of copper sulphate solution, common salt, bait of wheat flour-jaggery-yeast-copper sulphate, cabbage and papaya leaf traps. The programme was an eye opener among villagers and now they practice the eradication methods at ward level with maximum participation of local people at periodic intervals.



KVK-Pathnamthitta

Animal Health Camp

KVK, Pathnamthitta organised an animal health camp on 3rd November at Peringara panchayat. The programme was inaugurated by Sri Mathen Joseph, president, Peringara grama panchayath. As part of the programme farmer scientist interaction was also conducted. The programme was organized in collaboration with the grama panchayath and the veterinary dispensary, Peringara. 137 farmers participated in the programme. The animal health camp covered 394 numbers of animals including dairy cows, buffaloes, goats and poultry. Two tones of fodder was also distributed among the farmers in the flood affected areas.



Entrepreneurship development programme on pulp based product from jackfruit

As part of State Resource Centre for Jackfruit (SRC) of KVK, Pathanamthitta, a five days entrepreneurship development programme on pulp based product was organized. The training was inaugurated by Dr. C P Robert, Senior Scientist & Head, KVK Pathanamthitta. In his inaugural address, he mentioned about KVKs' initiatives for jackfruit, strategy towards sustainable supply chain management, opportunities and the wide range of possibilities on jackfruit towards industries. Eleven trainees participated in the programme. Fundamentals of fruit & vegetable preservation, value addition & processing of jackfruit, ensuring quality in food processing session on hands on training of value addition of jackfruit products like Jackfruit jam, squash, Jelly and RTS. Trainees were also made aware of Food packaging technologies, branding, labelling,

licensing procedures and government schemes and policies for food enterprises.



KVK-Ramanagara

Training on Nutrigarden

KVK, Ramanagara in collaboration with AICRP (Food Science and Nutrition), GKVK, Bangalore conducted a training cum awareness programme on establishment of nutri garden under nutri smart village programme. During the programme, the live telecast of nutri smart village, an innovative model for strengthening the poshan abhiyan hosted by ICT unit ICAR was directly telecasted to the participants which was inaugurated by Honorable Union Minister of Agriculture GoI, Shri. Narendra Singh Tomar,. Dr.Geetha K. Senior Scientist and Head, AICRP highlighted the significance of poshan for the healthy society and urged to adopt better food habits by including regional foods in nutria thali. Dr.Geetha Yankanchi, Junior scientist of AICRP, GKVK briefed about the preparation of healthy foods using locally available

regional foods such as high calorie mix, immunity booster Leheya, high fibre mix and revealed the significance of good feeding habits for the infants and adolescents. Dr. Lata R Kulkarni, Scientist (Home Science) highlighted the importance of nutri garden and its layout design and urged the farmer & farm women to establish nutri garden in the backyard/field to get the fresh vegetable which helps to address to malnutrition among the family members. On this occasion seed kit and nutri plants were distributed to the participants. Totally 50 farmers and farm women participated in this programme



KVK-Thrissur

Vigilance Observance Week celebration

The celebrations commenced with a pledge of responsibility taken by the officials and staff of Krishi Vigyan Kendra, Thrissur. As a part of the celebration, a

seminar on “Administrative and Preventive Vigilance” was conducted for the employees of KAU on 29.10.2021. The session was handled by Sri. Salil Kumar K.T, Inspector of Police, Vigilance and Anti corruption Bureau, Thrissur.



Malayalam Week celebration

The celebration started with a pledge for respecting Malayalam language taken by the staff of Krishi Vigyan Kendra, Thrissur. A translation competition was organized for the employees of Kerala Agricultural University on 05/11/2021. On 06/11/2021, a seminar on the topic “Importance of Malayalam as a language in science, technology & administration” was conducted by Dr. Francis A.T, (Rtd) Librarian, Central Library, Kerala Agricultural University. It was attended by the employees of the University.



KVK-Tumkur I

Agricultural Extension Scientist Award

Dr. K. R. Shreenivasa, Scientist (Plant Protection), ICAR- Krishi Vigyan Kendra, Tumkur-I, awarded with “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, Tamil Nadu.



Certificate distribution programme for Agri Input Dealers (DAESI)

ICAR-KVK, Tumakuru-1 has organized certificate distribution programme for DAESI (3rd batch) students. Dr. O. R. Nataraju, Senior Scientist & Head welcomed all the delegates to the programme and Scientists of KVK were present during the

programme. Dr. N. Devakumar, Director of Extension, UAS Bangalore presided the function and in his presidential speech he stressed on role of input dealers in extension of scientific technologies to farming community. Dr. Y. G. Shadakshari, Director of Research, UAS Bangalore inaugurated the graduation programme and in his inaugural address he emphasized on role of inputs dealers in guiding the farmers to adopt both organic and inorganic practices in a balanced way. Dr. Pennoboli Swamy, Nodal officer, SAMETI, Bangalore, Smt. Rajasulochana, Joint Director of Agriculture, Tumkur witnessed the programme.



Field day on french bean in younger Arecanut garden

ICAR- Krishi Vigyana Kendra, Konehalli, Tumkur District organized field day on french bean as intercrop in younger arecanut garden at Melinavalagerehalli village of Turuvekere taluk on 8th November 2021. Participating in the programme Dr. M

S Anitha, Scientist (Soil Science) elaborated the french bean variety (Arkaarjun) characteristics released by ICAR-IIHR, Hesaraghatta and highlighted the importance of intercropping of French bean in younger arecanut garden and yield potential of 15 quintal / ha with an net income of 1.83 lakh and also as green manuring crop to arecanut garden. Smt. Vinodha, Grama panchayath member, Mavinkere post has participated as chief guest and highlighted that KVK should encourage and create awareness among farmers on newly released varieties of crops and particularly pulses. The FLD beneficiaries Sri. Puttaraju and Ramanayak shared their experiences about the variety and technologies demonstrated by KVK particularly highlighted the benefit gained through additional income and enrichment of nutrients in areca nut plantation.



KVK-Tumkur 2

On-campus training on Oyster Mushroom Cultivation

On-campus training on Oyster mushroom cultivation was conducted on 2nd November 2021 at ICAR – Krishi Vigyan Kendra, Hirehalli, Tumakuru. Shri. Ramesh P.R, SMS-Soil Science delivered lecture on spawn production techniques. Mrs. Radha R. Banakar SMS- Home Science gave a lecture on nutritional importance of different kinds of mushrooms along with oyster mushroom cultivation technique. Trainees were demonstrated mushroom bag filling and bag incubation methods. During the day, certificates and training manuals were distributed to the all participants. This training programme was attended by 14 farmers and farm women from different taluks of Tumakuru district.



KVK-Uttara Kannada

Training on Goat Rearing & Nursery in Plantation Crops

Training programme was organized at KVK, Uttara Kannada, Sirsi on goat rearing and nursery in plantation crops under ARYA Project on 29/10/2021. Total 46 Participants attended and benefited from the programme. Dr. Govind Bhat, Rtd. DD, Veterinary Polyclinic, Yellapur and Dr. Manju M J, Senior Scientist and Head, KVK, Sirsi, inaugurated the training programme. During the technical session, Dr. Govind Bhat delivered lecture on importance, scope, schemes and opportunities in goat rearing, Shri. Laxminarayana L. R Hegde, Rtd. RFO, Kallabbe emphasized on improved nursery techniques adopted in plantation and spice crops, Shri. Harish D. K., Scientist (Horticulture) emphasized on scientific knowledge and skills related to nursery practices and Dr. Ranganath G. J., Scientist (Animal Science) emphasized on ARYA guidelines, importance, implementation of the project and nutritional management of goat.



KVK-Thiruvananthapuram

Mushroom Hut – Blooming Income

KVK Trivandrum has made tremendous efforts towards increasing the income of farmers by promoting subsidiary activities such as oyster & milky mushroom cultivation

Mr. Vinu D, Sreedharmam, Kuttichal was one among the thousands of youth in the country who migrated to Middle East in search of a job. Displacement from native made him physically and socially out of place. He resigned his job in Middle East and returned to Kerala to spend his remaining years with his family. With technical support of KVK he started the oyster and milky mushroom cultivation on large scale. On an average basis he is maintaining 1000 beds per month and producing 100 kg mushroom per month thus earning 0.4 lakhs. His success story has been documented by Noorumeni Programme as Episode No. 568 of Farm Information Bureau under the Department of Agriculture Development and Farmers welfare, Govt. of Kerala. This programme has uploaded in YouTube with link as below;

<https://www.youtube.com/watch?v=iIlaqwVN9ZQ> on November 2019



KVK-Vijayapura 1

Dairy Farming: A source of livelihood for young farmer

Mr. Manju Pujari from Muttagi village, B. Bagewadi taluk, Vijayapur district was just 19 years old when he entered into agriculture. He has 6 acres of land wherein he is maintaining dairy, poultry, goatry, fodder, coconut, drumstick, guava, maize, & cowpea. In the year 2017, he started dairy with two animals. He attended training on dairy conducted by KVK Vijayapur for technical knowledge. Later two of his family members who were also of the similar age attended 21 days vocational training programme on dairy

entrepreneur conducted by KVK, Vijayapur. Under dairy unit, he has local and HF breeds. They are 22 in number and give a yield of 100 liters per day which he is supplying to dairy @ 25 rupees per liter. He is earning a net profit of 50,000 rupees per month. The cow dung and urine are used for the field as manure. He has one male cattle which he is using for insemination purpose @ 500 rupees at one time which is earning him good income. Added to this, he is earning an amount of Rs. 60,000 per year from sale of fodder eye buds of COFS-29. Under goatry component he has 18 goat and 10 lambs. He is earning Rs.85000/- per year from this component. From poultry, he is earning Rs.4000 per month wherein he is selling birds as well as eggs. An income of Rs.6000 per month is earned from sale of coconut.



KVK-Vijayapura-II

FFS on Swarnadhara Backyard Poultry farming

Farmers Field School was conducted by Dr. Sanotsh Shinde, Scientist (Animal Science) on 10.11.2021. Swarnadhara backyard poultry farming has become a one of the important additional income generating activity along with agriculture. However, due to lack of knowledge on scientific rearing of birds and age-old rearing of birds is not fetching good income to the farmers. Hence, to overcome these issues, Farmer Field School (FFS) on Swarnadhara backyard poultry farming has been implemented in the Manankalagi, Double Farmer Income (DFI) village. Around 20 interested farmers have been selected and first session on importance of Swarnadhara birds in terms of its production and brooding management compared to local birds. This FFS activity is conducted in Sri. Nadeem Mulla field. Further, four farmers have been given Swarnadhara chicks along with critical inputs like feeders and waterers as a part of FFS to conduct the practical demonstrations in future days.



Recent advances in rabi crop production technology

On-campus training programme was conducted on 12.11.2021 at KVK Indi on recent advances in rabi crop production technology. Dr. R.B. Negalur, Senior Scientist and Head explained about agronomic practices and suggested suitable varieties/hybrid of rabi crops like BGD-111-1 in Bengalgram, UAS-375 in wheat, Dicoccum Wheat DDK-1029 and Sunflower hybrid KBSH-53 and RSFH-1887. Dr. Savita B, Scientist (Soil Science) emphasized on nutrient management of rabi crops season specific Bhima Shakti Onion variety and recommended to apply of 16 kg sulphur per acre at the time of transplanting of onion seedlings it will help the storage life of onion bulbs and to minimize the bulb rotting. Dr. S.S. Anjum Scientist (Plant Pathology) explained about pest and diseases infestation in rabi crops viz., purple blotch in onion, wilt in bengalgram and head necrosis in sunflower crops to the farmers. In this programme around 29 farmers from DFI villages (Manankalagi, Bhairunagi and Navadagi) were participated. After the training programme seeds were distributed to selected farmers under Front Line Demonstration for the year 2021-22.



Assessment of sulphur application in Onion

On farm testing was conducted by Dr. Savita B. Scientist (Soil Science) at Bhairunagi village. OFT comprised of three treatments like T1: Farmer practice (no application of sulphur), T2: NPKS:110:40:60:20kg/ha and Azospirillum + PSB @ 5 kg each/ha and T3:NPKS:100:50:50:30 kg/ha and Azotabactor + PSB @ 5 kg each/ha and among these treatments application of 30 kg sulphur recorded higher yield and it enhanced the storage life of onion bulbs as compared to farmer practice and however, farmers opined that rotting is minimized wherever sulphur application done.



KVK-Wayanad

Avocado Fest

ICAR-KVK Wayanad organized exhibition cum avocado fest along with the loan mela arranged by Lead bank at Kalpetta. In this exhibition different development agencies like Kudumbashree, RSETI and other financial institutions participated in the mela. During this event, different varieties of avocado graft suitable for Wayanad district, posters on avocado varieties, nutritional deficiency, value added products, pest and disease, cultivation practices and general management of avocado were exhibited. Cooking competition using avocado as main ingredient was also conducted and the dishes were displayed. The different biocontrol agents as well as value added products from KVK were also displayed. Dr. Allan Thomas (Programme Coordinator, KVK Wayanad) along with scientists and other staffs from KVK took a main role in organizing the fest.



Apiculture training set to create a buzz.

KVK promoted apiculture farmers who have completed seven day training by providing colonies of honey bees and boxes free of cost which is an initiative of Kerala Agricultural University. The programme was conducted with the financial assistance of ICAR. Dr. Jayasree Krishnankutty, Director of Extension, KAU inaugurated and distributed the boxes and colonies along with certificates. Welcome address was done by Dr. Allan Thomas, Programme coordinator, KVK Wayanad. Since the cultivation of exotic fruits like litchi, rambutan, mangosteen, avocado and passion fruits are gaining momentum in Wayanad, apiculture has a lead role to play as honey bees enhanced the productivity of plants since they are excellent pollinators.



KVK-Ernakulam

Formation of Fish breeder farmer's organization (FBFO)

The Krishi Vigyana Kendra Ernakulam is forming Fish breeder farmers' organization (FBFO) in Ernakulam district to facilitate farmer-farmer collaboration towards joint production and branded marketing of fish seeds. A Fish breeders meet was organized at Karumaloor on 2nd November 2021 where sixteen fish breeders along with Dr. P.A.Vikas Subject Matter Specialist of KVK participated and chalked out modalities to form the organization. The farmer organization is expected to give momentum to the efforts of Krishi Vigyan Kendra in developing fish seed production enterprises in farmer's fields across the coastal areas of the district. The KVK had been extending technology back stopping and providing marketing support to farmers through seed buy-back arrangement and sale through KVK's Farm store.



Frontline demonstration on Nutmeg Sheller

The KVK Ernakulam in association with All India Coordinated Research Project (AICRP) on Farm Implements and Machinery conducted a front line demonstration on the operation of Nutmeg Sheller at Kothamangalam. The Sheller is used to decorticate nutmeg seeds to take out the kernels that fetch higher price in the market. The manual process that is commonly practiced in the area can only decorticate 15 kg in a day. The capacity of the demonstrated sheller is 135 kg per hour. The cost of shelling in the machine is only Rs. 0.70 per kilogram. The demonstration was conducted by Dr. Sindhu Bhaskar, Principal Investigator of the scheme functioning at Kelappaji College of Agricultural Engineering and Technology, Tavanur, Malappuram. Shri.K.K.Dani, Member, District Panchayath (Ernakulam) inaugurated the programme and Shri. F. Pushparaj Anjelo, Subject Matter Specialist of Krishi Vigyan Kendra addressed the gathering. Progressive farmers participated in the programme.





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