



KVK TIMES

A WINDOW TO KVK'S OF ICAR-ATARI, ZONE - XI, BENGALURU

Vol-2, Issue 09, 01-15, November, 2023



ICAR - AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE
ZONE XI, BENGALURU

UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE

ICAR-KRISHI VIGYAN KENDRA , CHIKKABALLAPURA



University of Agricultural Sciences Bangalore



Dr. S. V. SURESHA
Vice-Chancellor

Preface

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.

In order to showcase KVK activities the ICAR-ATARI, Bengaluru, Zone-XI has created a plat-form to present the programmes and activities through “KVK TIMES” brought out fortnightly. It helps to bring attention to the often unnoticed but impactful work carried out by KVKs.

*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. Wishing continued success to the KVK system in taking agriculture to new horizons and making a positive farming community.*

(S.V. Suresha)
Vice Chancellor



University of Agricultural Sciences Bangalore



Dr. V.L. MADHUPRASAD
Director of Extension

MESSAGE

Krishi Vigyan Kendra (KVK) is an agricultural extension centre created by Indian Council for Agricultural Research (ICAR) and its affiliated institutions at the district level to provide various types of agricultural technologies to the agricultural sector.

KVK play a vital role in conducting On-Farm Testing and Front Line Demonstrations to demonstrate location-specific agricultural technologies and functioning as knowledge and resource centre of agricultural technology supporting initiatives of public, private and 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.

I am happy that KVK, Chickballapura has taken the responsibility to edit and compile this issue of KVK Times for the period 01-15th November, 2023.

(V.L.Madhuprasad)



ICAR-Agricultural Technology Application Research Institute, Zone -XI, Bangalore



Dr. V. VENKATASUBRAMANIAN

Preface

Director

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

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

I am happy that KVK Chikkaballapura is bringing up the 9th issue of second volume of KVK TIMES covering the first fortnight of November-2023. I congratulate the KVK fraternity of Zone XI specially Dr. Papireddy, M., Senior Scientist and Head and his team of KVK, Chikkaballapura for bringing out this unique edition of KVK Times.

(V. Venkatasubramanian)
Director





ICAR-Krishi Vigyan Kendra Chikkaballapura



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, 2023. I would like to express my profound gratitude to ATARI, Bengaluru Zone-XI 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.V. Suresha for his constant support and encouragement in overall development of KVK.

I Sincerely thank our beloved Director of Extension UAS, Bangalore, Dr. V.L. Madhuprasad 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 to place on record my sincere thanks to all my colleagues from KVK family of ATARI 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 whole heartedly my entire team of KVK, Chikkaballapura for their constant support and valuable suggestions to make this issue come out with emanate.

(M. Papireddy)



INDEX

KVK, CHIKKABALLAPURA	1	KVK, KOPPAL	35
KVK, ALAPPUZHA	4	KVK, KOZHIKODE	36
KVK, BAGALKOTE	5	KVK, MALAPPURAM	37
KVK, BALLARI	6	KVK, MANDYA	38
KVK, BELAGAVI-II	7	KVK, Mysore	41
KVK, BENGALURU RURAL	10	KVK, Palakkad	43
KVK, BIDAR	11	KVK, PATHANAMTHITTA	45
KVK, CHAMARAJANAGARA	13	KVK, RAICHUR	46
KVK, CHIKKAMAGALURU	14	KVK, RAMANAGARA	47
KVK, CHITRADURGA	15	KVK, SHIVAMOGA	48
KVK, DAKSHINA KANNADA	16	KVK, THRISSUR	49
KVK, DAVANAGERE	17	KVK, THIRUVANATHAPURAM	50
KVK, DHARWAD	19	KVK, TUMAKURU-I	51
KVK, GADAG	21	KVK, TUMAKURU-II	52
KVK, HASSAN	22	KVK, UTTARAKANNADA	52
KVK, HAVERI	23	KVK, UDUPI	53
KVK, IDUKKI	24	KVK, VIJAYAPURA-I	54
KVK, KALABURAGI-I	25	KVK, VIJAYAPURA-II	55
KVK, KALABURAGI-II	26	KVK, WAYANAD	56
KVK, KANNUR	28		
KVK, KASARAGOD	29		
KVK, ERNAKULAM	30		
KVK, KOTTAYAM	31		
KVK, KODAGU	32		
KVK, KOLAR	33		
KVK, KOLLAM	34		





KVK, CHIKKABALLAPURA

ICAR-KrishiVigyan Kendra, Chikkaballapura organized six days Skill Training for Rural Youth (STRY) on mushroom production from 06.11.2023 to 11.11.2023 Dr. Papireddy, Senior Scientist and Head inaugurated the programme and emphasized on mushroom production as one of the subsidiary occupation income generation. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) highlighted about demand and business opportunities in mushroom. Technical sessions on different types of mushrooms, nutritional status, spawn production, production technologies of oyster and milky mushroom, value addition in mushroom etc., were organized. Production technology of oyster mushroom was practically demonstrated. Dr. Aruna, G.R. Technical officer explained about mushroom value added products like soup and mushroom manchuri. 15 farmers participated in the programme.



Skill Training for Rural Youth (STRY) on mushroom production from 06.11.2023 to 11.11.2023

ICAR-KVK Chikkaballapura conducted off campus training on use of pulse magic in redgram and organised field day on Intercropping of redgram with finger millet at cluster village Kamaganahalli, Gowribidanuru taluk on 06.11.2023. Dr. Sandhya, K, Scientist (Soil science) explained about the management of soil health and benefits of intercropping system. Mr. Vishwanath, Scientist (Agronomy) highlighted about use of pulse magic in redgram in flower and pod setting. Dr. Praveenakumar, R., Scientist (Horticulture) explained about importance of nipping in redgram Dr. Swathi, B. Scientist (Plant protection) explained about pest management in redgram and ragi crop and its management practices. 25 farmers participated in the programme.



Off campus training on use of pulse magic in redgram

Field day on Intercropping of redgram with finger millet





KVK TIMES- A WINDOW TO KVK'S OF ICAR-ATARI, ZONE-XI, BENGALURU

On campus training on flower decoration and arrangement in different flower crops was organised on 08.11.2023. Dr.Papireddy, Senior Scientist ad Head inaugurated the programme and emphasized on entrepreneurship development through flower decoration. Dr. PraveenaKumar R explained about economic analysis of flower decoration. Dr.Asha. K.M., Scientist (Horticulture), KVK, Kolar demonstrated different styles of floral arrangement and prepared bouquets. Folder was released and 39 participants benefitted from the programme.



Training on flower decoration and arrangement in different flower crops

Tomato being the notified ODOP crop in Chikkaballapura district, ICAR-KrishiVigyan Kendra, Chikkaballapura organised on campus training programme on processing and value addition in tomato on 07.11.2023. Dr. Papireddy, Senior Scientist and Head explained about One District One Product programme. Dr. Praveenakumar, Scientist (Horticulture) highlighted about different tomato value added products like ketchup, sauce, crush, powder etc.,



Training on processing and value addition in tomato

On campus training programme on integrated management of T-musquito bug was organized by ICAR-KVK, Chikkaballapura on 02.11.2023 Dr. Swathi, Scientist (Plant pathology) explained about eco-friendly management practices and demonstrated the spray of bio-agents in cashew plot.



Spray of bio-agents in cashew plot



KVK TIMES- A WINDOW TO KVK'S OF ICAR-ATARI,ZONE-XI, BENGALURU

Dr. Tanweer Ahmed, Scientist (Agricultural Extension) KVK, Chikkaballapura participated as resource person in Ankura programme organized by Institute of Agricultural Technologies, Bangalore at Government high school, Hosakote taluk on 04.11.2023 and deliver a lecture on organic farming and its principles 50 students participated in the programme.



Ankura programme

Scientists from KVK Chikkaballapura, College of Sericulture and department officials visited Hirepalli village of Kaiwara hobli and diagnosed the existence of Tasar silkworm in Arjuna host tree and explained the farmers about importance and utility of Tasar silkworm in income generating activity.



Field visit

Farmers from Chintamani taluk visited ICAR-KVK, Chintamani Dr. Papireddy, Senior Scientist and Head, addressed the participants and explained about activities of KVK. Dr. Tanweer Ahmed, Scientist (Agri. Extension) explained about integrated farming system and visited demonstration units like model IFS unit, vermicompost, Azolla, Sheep and goat rearing, fodder cafeteria, bio-diesel units etc. 48 farm women participated in the programme.



Farmers visit to KVK

Papireddy M, Tanweer Ahmed, Sandhya K, Praveenakumar R, Swathi B, Vishwanath, Aruna G R



KVK, ALAPPUZHA

Composting techniques of farm wastes demonstrated to farm women

As part of the FLD on 'In situ composting of farm bio waste using EM solution', capacity building programmes followed by method demonstrations on 'Composting techniques of farm wastes' were conducted to farm women in Muhamma and Thanneermukkom Grama panchayaths during the first fortnight of November, 23. Hazardous impact of burning of wastes, relevance and role of organic manures in soil health, and maintaining a hygienic surrounding and cleanliness in the farm were highlighted in these programmes. Method demonstrations on (i) Preparation of activated EM solution and (ii) use of activated EM solution for farm waste composting were carried out for hands-on-experience. A total of seventy farm women from ten JLGs of Kudumbasree along with agricultural department officials participated in the programmes. The participants prepared activated EM solution from the stock solution, and applied on farm bio-wastes along with cow dung slurry for the compost to be ready within 45 days for application to vegetables, banana, tubers etc. By these activities, the farmers were empowered to take up the composting activities with bio-wastes from their own farm and public places so that huge quantity of organic manures could be prepared for cultivation of crops.

(K. Sajnanath, SMS)



FLD EMC MD 1



FLD EMC MD

Value addition unit for Banana and Plantains being established under SCSP

Value added products of Banana and Plantains have become very popular in the recent times with the introduction of banana flour as an effective and partial replacement for cereal flours, and dried banana figs from fruits. To promote these activities further, a small unit for preparation of various value added products of banana is being established for the income generation of SC farmers under the SCSP programme of the KVK. Essential utensils and equipments to establish the unit are provided and an orientation-cum-hands on training was conducted for the selected SC women group on 14.11.23 at Thanneermukkom Panchayath. More than 10 value added products of banana and plantain were demonstrated to the group. In addition to product preparation, various registrations required and financial assistance from different agencies available were also detailed to the participants for expansion of their activities.

(Jissy George, SMS)



Training OMP



Training-Banana value addition





KVK, BAGALKOTE

Closing Ceremony Programme of Krishi Sakhi (Batch-1) on 04.11.2023

SANJEEVINI- Karnataka State Rural Livelihood Promotion Society, Department of Skill Development, Entrepreneurship and Livelihood, Government of Karnataka in Collaboration with University of Agricultural Sciences, Dharwad, ICAR-Krishi Vigyan Kendra, Bagalkote organized six days training programme Krishi Sakhi from 30.10.2023 to 04.11.2023 at Krishi Vigyan Kendra, Bagalkote. Closing ceremony programme was organised on 04.11.2023.

Dr. Siddappa C. Angadi, Senior Technical Officer, ICAR-Krishi Vigyan Kendra welcomed all the dignitaries and Krishi Sakhis. Smt. Ganga Patil, participants of the Krishi Sakhi programme shared the details of the training gained during 6 days about knowledge on beekeeping, sheep rearing and organic manure making. Dr. R. B. Belli, Associate Director of Extension, Regional Agricultural Research Education Centre, Vijayapur was the chief guest addressed the Krishi Sakhi's about the activities to be undertaken by women farmers along with labor & various allied activities on beekeeping, dairy farming, use of organic manure, scientific technologies of agriculture and wished them self sufficiency. Dr. Somanagowda B., Guest Speaker, Head of Soybean scheme, UAS, Dharwad, gave information on different varieties of Soybean grown in India & Karnataka & their management. Dr. S. B. Patil, Guest Speaker, Head, Agriculture Research Station, Konnur highlighted about the importance of women empowerment in agriculture for enhancing farmer income. Dr. D. N. Kambrekar, Senior Scientist & Head, in his presidential remarks encouraged the Krishi Sakhis to take different activities such as dairy farming, goat rearing, vermi composting, silk rearing etc and to become progressive farmer women to overcome poverty. Dr. Dinesh Kumar S P, Scientist (Agronomy) and Dr. Sudha S, Scientist (Plant Pathology)



Closing ceremony of Krishi Sahki programme

Live telecast programme “Release of 15th Installment of PM-KISSAN Scheme on 15/11/2023

Release of 15th Installment of PM-KISAN Scheme was jointly organized by ICAR-Krishi Vigyan Kendra, Bagalkote in collaboration with Karnataka State Department of Agriculture Bagalkote on 15.11.2023, 11.00 am at KVK Bagalkote. The Programme was inaugurated by Shri. P. K. Patil, President of Krishika Samaja Bagalkote district. Dr. L. H. Roodgi, Deputy Director of Agriculture, participated as a chief guest of the programme and addressed farmers and farm women on different agriculture schemes available at Panchayat levels and also gave detailed speech on kissan samman nidhi programme. Dr. S. B. Patil, Senior Scientist and Head, KVK Bagalkote was presided the programme and briefed about the Kissan Samman Nidhi scheme. Dr. Siddappa Angadi Senior Technical officer anchored the programme. Then the P.M Samman Nidhi 15th installment amount release main event of the programme was live telecasted. A total of more than 75 farmers and farm women were participated and got benefitted.



KVK TIMES- A WINDOW TO KVK'S OF ICAR-ATARI, ZONE-XI, BENGALURU



Live telecast of PM kisan programme

KVK, BALLARI

UAS, Raichur dignitaries and ICAR-KVK, Scientist visit to KVK, Baramati, Ballari

UAS, Raichur dignitaries Vice-Chancellor Dr. Hanumanthappa, M, UAS, Raichur, Dr. Goudappa, S., Director of Extension, UAS, Raichur along with scientists of ICAR-KVK, Hagari and College of Agriculture, Hagari visited as an exposure visit to ICAR-KVK, Baramati, Maharastra on 02-11-2023. Whole team interacted with Senior Scientist and Head Dr. Dheraj Shinde and other discipline scientists regarding ongoing extension activities at KVK, Baramati and visited demonstration units such as advanced fertigation methods in sugarcane cultivation, bio-control production unit, vermicompost units, soil testing laboratory, dairy unit, hi-tech horticulture nursery, fishery, floriculture unit, agro-forestry unit and Sugarcane variety demos and exchanged our technological interventions. Further team also visited National Institute of Abiotic Stress Management at Baramati interacted with Director Dr. K. Sammireddy on drought tolerant research activities in pigeonpea cultivars and maize hybrids for a collaborative project mode and visited research laboratories.



Visit to KVK, Baramati





KVK, BELAGAVI-II

Paddy Field Day

Paddy Field Day was organized on 10.11.2023 at Deminakopp village of Khanapur taluk. G.B. Vishwanath, Scientist (Agronomy) explained about varietal characteristics of GNV-1109 in comparison with Abhilasha. He briefed about seed rate, spacing, manure and fertilizers, integrated seed and water management and post harvest management practices. Farmers expressed that, the demonstrated variety is short duration, no incidence of blast and high yielding. A total of 35 farmers were participated in the field day.



Paddy field day

G.B. Vishwanath, Scientist (Agronomy) and Mrs. Sridevi B. Angadi, Senior Scientist & Head

Pest Survey and Surveillance

KVK organized Pest Survey and Surveillance in collaboration with Department of Agriculture at Bailhongal taluk. The villages surveyed were Mattikopp, Lakkundi, Yarguddi, Nagnur, Kenganur and Belawadi. During survey, the severe incidence of fall army worm in sorghum and maize was observed mainly due to scarcity of rainfall and favourable environmental conditions for buildup of pest incidence. Similarly, pink bollworm in cotton and wilt incidence in chickpea was noticed. To overcome the pest incidence in sorghum and maize, team recommend installation of pheromone traps @ 10/ acre, insecticide spray with Emamectin benzoate 0.3g or Chlorantraniliprole 0.3 ml per liter of water. Drenching with Carbendazim 2 g per liter for control of wilt disease in chickpea. Team took initiation for identification of harmful and beneficial insects and integrated management practices to be adopted. A press note was released in daily leading news papers in regional language to caution farmers of the district for taking up of prophylactic measures.



Pest Survey and Surveillance

Dr.S.S. Hiremath, Scientist (Plant Protection) and Mrs. Sridevi B. Angadi, Senior Scientist & Head



Live telecast of release of 15th instalment under the PM KISAN Scheme

Live telecast of release of 15th instalment under the PM KISAN Scheme to farmers by Honourable Prime Minister Shri. Narendra Modi was screened at KVK campus on 15.11.2023. The programme was witnessed by 48 farmers of KVK jurisdiction. The highlight of the programme was that, eight crores farmers were beneficiaries and Rs. ₹18,000 crore was deposited to the individual farmers account through Direct Benefit Transfer (DBT). On campus training programme on ‘Integrated pest and disease management in *rabi* crops’ was organized by Dr. S.S. Hiremath, Scientist (Plant Protection). During the training, the farmers were briefed about the eco-friendly management practices in field crops. The farmers were also cautioned about the preliminary symptoms for attack of pest and disease in field crops and their on time propylitic measures for control.



PM KISAN Scheme

Dr.S.S. Hiremath, Scientist (Plant Protection) and Mrs. Sridevi B. Angadi

Krishi Sakhi valedictory programme

ICAR-KLE Krishi Vigyan Kendra, Mattikoppa in association with Karnataka State Rural Livelihood Promotion Society, Department of Skill Development, Entrepreneurship and Livelihood, Bengaluru and Zilla Panchayat, Belagavi organized First training module on Agro-ecological Practices for Community Resource Persons of Farm Livelihood (Krishi Sakhi) from 30 October – 04 November, 2023 for 68 selected Krishi Sakhi from 6 taluks of Belagavi District.

The valedictory programme was concluded by Shri. B.R. Patil ji, Chairman, ICAR-KLE KVK, Mattikopp. During his address expressed that, Krishi Sakhis bridge the gap between the farming community and line departments, KVK and Village level extension workers for effective transfer of technology for increasing the productivity of field and horticulture crops.

Mrs. Sridevi B. Angadi, Senior Scientist & Head Training of Krishi Sakhi is a unique programme to develop them as a Master trainer to educate farmers at field level to guide them for appropriate action on time. Training will ensure livelihood security at the village level. Systematically programme schedule for 6 days was planned and executed. The training area included right from importance of soil testing, soil sampling methods to pest and disease management in major field and horticulture crops of the district. Dr.S.Gopali, Professor & Extension Leader, UHS, Bagalkot appreciated the efforts of KVK for training 68Krishi Sakhis of Belagavi district in two batches. The efforts of the KVK to disseminate the technologies at village can be done more efficiently by utilizing the services of Krishi Sakhis. The dignitaries on dias provided the certificate and kits to the participating Krishi Sakhis.

Mrs. Sridevi B. Angadi, Senior Scientist & Head, Dr.S.S. Hiremath, Scientist (Plant Protection) and G.B. Vishwanath, Scientist (Agronomy)





First training module on Agro ecological Practices for Community Resource Person of Farm Livelihood (Krishi Sakhi) 30-10-2023 TO 04-11-2023
SANJEEVINI-Karnataka State Rural Livelihood Promotion Society,
Department of Skill Development, Entrepreneurship and Livelihood,
Zilla Panchayat, Belagavi In Collaboration with
ICAR-KLE Krishi Vigyan Kendra, Mattikopp, Bailhongal (T), Belagavi (D)-591147

Krishi Sakhi valedictory programme

RAWE Students programme

Final Year students of B.Sc. (Agriculture), College of Agriculture, Hanumanamatti, UAS, Dharwad has deputed 14 students for hands on training at KLE KVK, Mattikopp from 30.10.2023 to 10.11.2023. During the training period, the students were briefed about the mandated activities of KVK. Further, they were engaged in hands on training for method of soil sampling, procedure for soil analysis and generation of soil health cards. They were also trained for production of bio-agents, grafting & budding techniques, seed treatment, seed processing, identification of crop related pest and disease management, natural and organic farming, per drop more crop through automatic fertigation unit, drone demonstration in field crops and production technologies of vermicompost and vermi-wash.



RAWE Students programme

Dr.S.S. Hiremath, Scientist (Plant Protection), G.B. Vishwanath, Scientist (Agronomy) and Praveen Yadahalli, Scientist (Horticulture)





KVK, BENGALURU RURAL

On Campus training programme

ICAR-KVK, Bengaluru Rural District organized an on-campus training programme on 'Fertilizer use in Horticultural Crops and use of Dhartimitra mobile app for fertilizer recommendation on 07.11.2023. Dr. B.G. Hanumantharaya, Senior Scientist & Head chaired the programme and explained about the water and fertigation management in different horticulture crops and explained the mandated activities of the center and it has been established for the benefit of farming community. Dr. R. Krishnamurthy, Head of AICRP (Soil Test and Crop Response), UAS (B), GKVK, Bengaluru has developed 'Dharthi Mithra' mobile app and taken research to be used in selected 10 districts of Karnataka. And demonstrated the app to the participated farmers, it is a user friendly and farmers can get information about different crops and fertilizer applications easily.

Dr. P. Veeranagappa, Scientist (Soil Science) elicited about the different types of manures and fertilizers, methods of fertilizer application, importance of soil testing, role of fertilizers and manures in soil health management. Soil will lose fertility through the indiscriminate use of fertilizers and may become barren. Also stressed about the importance of green manures, bio-fertilizers and crop rotation practices leads to good soil health and nutrient management. Dr. Venkate Gowda, J., Scientist (Agronomy) explained Improved cultivation practices of major field crops. During the programme different types of fertilizers were distributed to the farmers. Totally 35 farmers were benefited from the programme.



Training on fertilizer use in horticulture crops





KVK, BIDAR

FARMERS FIELD SCHOOL (FFS) ON COTTON IPM AT YENAGUNDA VILLAGE

Krishi Vigyan Kendra (KVK), Bidar, took a significant stride towards agricultural empowerment with a Farmers Field School (FFS) focused on Cotton Integrated Pest Management (IPM) at Yenagunda village in Aurad taluk. More than 30 enthusiastic participants engaged in an enlightening session, where KVK Bidar's Senior Scientist & Head, Dr. Sunilkumar N.M, played a pivotal role in disseminating crucial knowledge. The event, held on November 11, 2023, became a platform for farmers to delve into the intricacies of cotton pests, understanding natural enemies, and embracing modern production technologies.

Dr. Mallikarjun Ningdalli, Scientist, led the discussions, providing valuable insights and practical solutions to the challenges faced by cotton farmers. The interactive session facilitated a dynamic exchange of ideas, promoting a collaborative spirit among the participants. The Farmers Field School aimed not only to educate but also to empower farmers with the latest advancements in Cotton IPM. Dr. Sunilkumar N.M's expertise, coupled with the active participation of farmers, made the event a resounding success, marking a positive step towards sustainable agriculture practices in the region.



FFS on IPM Cotton

Rapid Roving Survey by KVK Bidar Addresses Redgram Pest Management and Emerging Challenges in Pigeonpea Cultivation

In a proactive move towards ensuring sustainable agriculture, Krishi Vigyan Kendra (KVK), Bidar, conducted a Rapid Roving Survey on November 1, 2023, to address Redgram pest management and emerging challenges in Pigeonpea cultivation across various villages in Bidar district. As Pigeonpea cultivation has expanded throughout Bidar district, a team of scientists from Agricultural Research Station (ARS) and KVK Bidar undertook a comprehensive survey to assess the prevalence of pests and diseases affecting the crop. The survey revealed the presence of eggs and larvae of Pigeonpea podborer in several fields, surpassing the economic loss threshold in villages such as Rajeshwar, Manthala, Halabaraga, Nittoor, Kamalnagar, Savali, Nirna, and Bemalakheda.

Farmers are urged to promptly identify these pests in their fields and initiate the application of recommended solutions. For managing eggs & early instar larvae of Pigeonpea Podborer, the first spray of 2 ml of propenophos 50 EC or 0.6 gm of Thiodicarb 75 WP per liter is advised. Additionally, a mixture of Neem-based insecticides or topical insecticides like Imamectin benzoate, Spinosad, Fluobendamide, or Chlorantraniliprole is recommended for advanced stages of infestation.

The survey also highlighted instances of dry root rot disease in certain fields, for which a compound fungicide comprising Carbandezim and Mancozeb should be applied at a rate of 2.5 grams per liter of water.





Moreover, the team observed an outbreak of Pigeonpea crop in Marakhal, Sindol, Marakunda, Hudagi, and Kavadiya. The affected plants exhibited symptoms of Sterility Mosaic Disease (SMD), caused by Aceria cajani -transmitted A. falciparum. The team, including Dr. NM Sunil Kumar (Head of KVK), Dr. Sunil A Kulkarni (Head of ARS), and Professor Dr. RL Jadhav, recommended a series of management measures, including uprooting disease-supporting plants, destroying infected plants, and implementing control measures to safeguard the Pigeonpea crop.



Redgram pod borer



Sterility Mosaic disease at Sindhol





KVK, CHAMARAJANAGARA

Field day on effect of foliar nutrition on Bt Cotton

ICAR KVK Chamarajanagara organized and conducted a field day programme on Effect of foliar nutrition on Bt Cotton at Thaggaluru village, Gundlupete taluk on 07.11.2023. The demonstration was initiated during Kharif 2023 in selected farmers' field in order to address the problems like square and boll drop, leaf reddening and low cotton yield owing to the low fertile, light textured soil and water scarcity during mid and terminal growth period as a result of insufficient and poor rainfall distribution. All the recommended nutrient management practices were demonstrated with foliar application of Napthalene Acetic acid to overcome the flower and boll drop and a spray of Potassium Nitrate and Magnesium Sulphate was also given to meet the nitrogen, potassium and magnesium demand of the crop thereby mitigating the leaf reddening problem. In the programme, Scientist (SS & AC) deliberated on the integrated nutrient management practices to be followed in Bt Cotton for obtaining higher yields and urged to adopt the foliar nutrition practices for sustaining the yield in Bt Cotton under soil moisture and soil nutrient stress conditions. Further, he highlighted the advantages of application of tank silt for light textured soils and supplementing micronutrients for harnessing quality cotton. Mr.Rajath,H.P., SMS (Agromet) detailed the importance of weather forecast and management practices that are to be adopted during changing climatic scenario and also the management of major insect-pests and diseases in Bt Cotton. Progressive farmer Sri.Siddappa shared his opinion wherein he has observed a reduction in flower & boll drop, leaf reddening and expressed that the number of bolls are more (40 – 45 per plant) and is expecting better yield as a result of adopting foliar nutrition. The participant farmers witnessed the improvement in yield characters by counting the number of bolls in a plant and also noticed reduced leaf reddening.



Field day on effect of foliar nutrition on Bt Cotton

Yogesh,G,S,, Supriya,N.S. and Rajath,H.P.





Field day on demonstration of foliar application of ginger special for higher productivity in ginger

ICAR Krishi Vigyan Kendra, Chikkamagaluru organized field day on demonstration of foliar application of ginger special for higher productivity in ginger at Bharathibailu village of Mudigere taluk on 03.11.2023 Dr. Krishnamurthy, A.T. Senior Scientist and Head, Krishi Vigyan Kendra, Chikkamagaluru in his introductory speech briefed that, ginger special, which plays important role in maintaining growth and development of the crop and in which, increases the, size and quality of the rhizomes and thereby enhances the yield. Further he explained about the demonstration and extension activities are carrying out by the KVK for the benefit of farming communities and also advised them to adopt this technology and disseminate it to other farming communities.

During this programme Dr. Suresh Kumara, B Scientist (Horticulture), KVK, Chikkamagaluru mentioned that, farmers are applying only major nutrients to the crops but not applying micronutrients, but these micronutrients are playing important role in growth and development of the crop. Keeping in this view ginger special micronutrient developed and released by the Indian Institute of Spice Research, Calicut. This has to be mixed and sprayed (5gm/liter of water), 45 days after planting up to six months at an interval of 30 days. Farmers, who were sprayed this micronutrient has showed significant increase in the number of rhizome, weight, quality and yield by 10-15 percent and also use of this ginger special, created a good impact on productivity and profitability of ginger cultivation.

On this occasion, Ranjith, a progressive farmer, expressed the opinion that under the guidance of Krishi Vigyan Kendra scientists, with the use of ginger special micro nutrient there is a considerable increase in the number and quality of rhizome and also the disease and pest infestation has been significantly reduced. Field day was witnessed by 35 farmers.



Field day on demonstration of foliar application of ginger

Dr. Krishnamurthy, A.T. and Mrs. Shabnum, P.S.





KVK, CHITRADURGA

Field bean Field day

Field day on Field bean was organized at the field bean plot of Mr. Ninganaik of Halavudara village of Chitradurga taluk by KVK, Chitradurga on 03-11-2023.

Dr. O. Kumar, Sr. Scientist and Head, KVK inaugurated the programme and discussed about the importance of pulse crop in human health. He also briefed about the biological nitrogen fixation by the pulse crops with which we can reduce the application of nitrogenous fertilizers up to an extent of 20-25%. This pulse crop was grown during rabi season in earlier days but the newly introduced variety HA -4 can be grown well in all the seasons. The KVK as well as the Department of Agriculture are actively involved in popularizing the variety among the farming community in the district. This crop can be grown as a solo crop and also with Maize, Ragi and Ground nut as intercrop. It can be marketed as a vegetable as well as seed. He also suggested the farmers grow this crop and earn better profit.

Mr. Ninganaik, Progressive farmer opined that avare grown as sole crop and it yielded 18-20 qt per acre in the first pinch and obtained total yield of 18-20qt/ac green pods in all the 3 pinches and also observed that the growth of avare has improved the soil health in his field and this crop can be used as vegetable and seed purpose.



Field day on field bean



KVK, DAKSHINA KANNADA

KSRLPS Sanjivini Modular Training Programme for KrishiSakhis

Krishi Vigyan Kendra organised six days KSRLPS Sanjivini Training programme for third batch of Krishi Sakhis from 30-10-2023 to 04-11-2023. The programme was inaugurated by Shri Hariprasad Gowda District Programme Manager- KSRLPS DK Zilla Panchayath Mangalore. Dr. T. J. Ramesha, Senior Scientist and Head, KVK Mangaluru, presided over the function. An exposure visit was also organised to the field of award winner farmer Shri Chandrashekar Gatty of Kondana village. The valedictory function was organised on 04-11-2023 and Shri Raghu E. KAS, Deputy Secretary DK Zilla Panchayath and Shri Manohar Shetty, Progressive Farmer graced the occasion as chief guest. Thirty six farm women trainees from the district participated in the programme and Dr. Harish Shenoy, Scientist (Agronomy) was the training organiser for the programme.



Field visit 01-11-2023



Valedictory function 04-11-2023

Dr Harish Shenoy and Dr. T. J Ramesha)

Capacity Building Programme for FPOs

ICAR-KVK, Dakshina Kannada in collaboration with Centre of Excellence for Farmer Producer Organisations, GKVK, Bengaluru organized “Training and Capacity Building Programme on 9.11.2023 for Chief Executive Officers and Board of Directors of Farmer Producer Organizations promoted by Watershed Development Department and Horticulture Department, GOK in Dakshina Kannada, Udupi & Kodagu Districts”. The programme was inaugurated by Dr. T.J. Ramesha, Senior Scientist and Head, KVK.

Dr. Kumar S., Consultant, COE-FPO, Bengaluru provided information about concept, basic features need & context setting for FPOs. Resources persons provided information on accounts, book keeping, GST filing and ROC compliances for FPOs. Dr. Rajakumar Scientist, CPCRI, Kasargod highlighted about arecanut & coconut value-based enterprises and marketing linkages for FPOs. Scientists namely Dr. Harish Shenoy (Agronomy), Dr. Mallikarjun L. (Soil Science) and Dr. Rashmi R.(Horticulture) provided information respectively about Paddy based entrepreneurship and vermicompost, Bio-fertilizer production and opportunities in Horticulture for scaling up of FPOs business.



Capacity building programme for FPOs

Dr. T. J. Ramesha





KVK, DAVANAGERE

On farm Trial- Bengal gram

Implemented the on farm trial “Assessment of Bengal gram varieties suited for mechanical harvesting and higher yield” at Bheemanari, Channagiri taluk. Mr. Mallikarjuna B.O., SMS (Agronomy) delivered lecture on improved production technology and characters of the Bengal gram varieties suited for mechanical harvesting such as GBM-2 and NBeG-47. These two varieties require two irrigation during the crop period for better growth and yield. Conducted the method demonstration of seed treatment with bio fertilizers (*Rhizobium* & *PSB* @ 200g/ acre) and trichoderma @ 4g/kg of seeds. Provided the critical inputs seeds and bio fertilizers to the selected 5 farmers.

Follow up field visit to the FLD Paddy plots.

Mr. Mallikarjuna B.O., SMS (Agronomy), Mr H.M. Sannagowdur and Dr. Avinash T.G. visited the FLD Mechanical transplanted paddy plots Gangarsi, Harihara taluk. Collected the growth and yield parameters of the both demo and check. Interacted with farmers on the management of the stem borer (white ear heads) through the neem based pesticides.



Visit to Paddy plots.

Mallikarjuna B.O. SMS (Agronomy)

8th National Ayurveda Day

8th National Ayurveda Day is celebrated at ICAR-Taralabalu Krishi Vigyan Kendra in collaboration with Sushrutha Institute of Ayurveda Medical Science and Research Centre, Davanagere. A lecture on ‘Importance of Medicinal plants and their production technology’ was delivered by Horticulture Scientist Mr. Basavanagowda M.G.. He told medicinal and Aromatic plants constitute a major segment of the Flora, which provides raw materials for use in pharmaceuticals, Cosmetics and drug industries. With his presidential remarks Dr. Devaraja T.N., Senior Scientist cum Head told by consuming chemical free food we can able to get the good health and also we will be free from diseases. Dr. Hemashree, Lecture from Auyvedic college shared information on different methods of Ayurveda. Scientists from ICAR-Taralabalu KVK and 60 Ayurvedic students were part of the event.



National Ayurvedic Day Programme





Follow up visit to FLD-Cabbage plots

Front Line Demonstration on Integrated management of Diamond Back Moth and Black rot disease in Cabbage plots were visited at Sultanipura Village of Davanagere taluk. Dr.Avinash T. G. Subject Matter Specialist (Plant Protection) sensitized farmers on use of Bio pesticides for management of pests and Diseases in Cabbage ecosystem. Spraying of *Bacillusthurengensis* var *Kurstaki* @ 2 ml /liter and Azadirachtin 300 ppm @ 4 ml/liter will take care Diamond Back Moth population build up and spraying of *Pseudomonas fluroscence* @ 5 gram per liter will inhibit the spread of Bacterial growth of Black rot disease. Critical inputs *Bacillusthurengensis* var *Kurstaki* and *Pseudomonas fluroscence* was provided to farmers. Mr. Mallikarjun B. O. SMS (Agronomy) present during the plots visit.



visit to Cabbage plots

Dr.Avinash T. G. and Mr.Mallikarjun B. O.



KVK, DHARWAD

Monitoring visit to cotton fields under Special Project on Cotton

Scientists monitoring visit to cotton fields under Special Project on Cotton of ICAR-CICR entitled “Targetting technologies to agro-ecological zones-large scale demonstration of best practices to enhance cotton productivity” under NFSM during 2023-24 was done by ICAR-KVK, Dharwad to Byalal and Harobelavadi villages of Navalagund and Dharwad talukas respectively on 01.11.2023. Dr. Shankaranaraynan, Principal Scientist, CICR, RS, Coimbatore visited the plots and asked RAASI seeds officials to conduct study on performance of RAASI varieties under HDPS and closer spacing. Also observed monopodials in MAX variety of RAASI under Closer Spacing. So he asked Mr. Uday Kumar and Mr. Sharath of RAASI seeds to study this under irrigated and rainfed conditions. Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad explained about the importance of the project as farmers are facing labour problem, to address this issue the project deals with mechanical sowing of cotton through pneumatic planter, machine picking and cotton shredder to incorporate cotton stalks in to the soil so that soil fertility will be maintained on sustainable manner.



Visit on cotton fields

RAWE programme of final year B.Sc. (Agri./ABM) students

As the part of Rural Awareness Works Experience (RAWE) programme the final year students of B.Sc. (Agri.) and B.Sc.(ABM), College of Agriculture, Dharwad has attached to ICAR-KVK, Dharwad from 30.10.2023 to 05.11.2023 and 06.11.2023 to 12.11.2023. Students were trained on introduction of KVKs, its mandates, present status, KVK activities, importance of KVKs in the Indian agriculture. Also discussed on various aspects of present day agriculture problems, different concepts in agriculture like organic farming, natural farming, chemical farming, bio-dynamic farming and regenerative agriculture, agro-horti-silvi systems, farm pond based integrated poultry cum fishery farming and its importance in present day agriculture etc. Students were exposed to hands on experience on preparation of vermicompost, raising horticulture nursery seedlings, harvest of vegetables and flowers, various trials conducted in KVK farm. About 47 students participated in the programme.



Orientation to RAWE students



Follow-up field visit to farm trial on maize

Follow-up field visit to farm trial on evaluation of NPK microbial consortium in maize was carried out by Dr. M. S. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad and Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad along with contact Scientist Dr. C. R. Patil, Professor, Dept. of Microbiology, UAS, Dharwad and Dr. Salakinakoppa, Head, AICRP on Maize, UAS, Dharwad on 04.11.2023 to Pudukalakatti village of Dharwad taluka. The Scientists observed the field and suggested the precautionary measures for management of fall army worm in maize.



Follow up visit to maize plot

Training on “Role of non-conventional feed in dairy farming”

ICAR-KVK, Dharwad in collaboration with SKDRDP, Gokak organized training programme on “Role of non-conventional feed in dairy farming” on 04.11.2023. Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad delivered lecture on role of different non-conventional feed as a source of protein to dairy animals. During this training, cultivation practices and use of azolla in dairy animals, sheep and goat, poultry were discussed. Dr. M. S. Biradar, Senior Scientist and Head, KVK Dharwad addressed the farm women regarding precision farming. About 55 farm women were benefited by the training programme.



Trining programme on Role of non-conventional feed in dairy farming

Dr. M. S. Biradar, Senior Scientist and Head, Dr. Jayashree Pattar, Scientist (Animal Science), Dr. Airadevi P. Angadi, Scientist (Horticulture), Dr. U. K. Shanwad, Scientist (Agronomy) and Smt. Shailaja N. Galagali, Technical Officer (Computer), ICAR-KVK, Dharwad





KVK, GADAG

Awareness programmes on drought proofing & soil and water conservation measures

Awareness programmes on “Drought proofing & soil and water conservation measures” were organized by ICAR-K.H.Patil Krishi Vigyan Kendra, Gadag in collaboration with Department of Agriculture, Gadag and Taluk Panchayat, Gadag for farmers, farm women & representatives of Gram Panchayat members to overcome the climate vulnerability. Dr. Rajendra Singh, Waterman of India, Magsaysay Award and Stockholm Water Prize winner and presently serving as a Chairman of ‘Peoples World Commission on Drought and Flood’ created awareness on drought mitigation measures to be followed during deficit rainfall years to cope up with climatic vulnerabilities. The awareness programmes were organized at 5 villages namely Binkadakatti, Kanavi, Asundi, Mulagund & Hulkoti and to school students at Adavisomapur village of Gadag district from 28-10-2023 to 5-11-2023. A total of 521 Farmers, farmwomen, Gram Panchayat members, KSDA officials and 426 school students were participated in the programme.



Awareness programme

Awareness on soil and water conservation, tree plantation, de-silting of rain water harvesting structures etc were organized on 06-11-2023 to Gram Panchayat Presidents, Members, Secretaries and Panchayat Development Officers at Ron and Shirahatti taluk panchayat office by Shyam Sunder Paliwal, Padmshree awardee of Piplantri Gram Panchayat of Rajasthan state. A total of 224 Gram panchayat Presidents, members, PDOs and secretaries were participated in the programme. Shri D.R.Patil, Chairman, ICAR-K.H.Patil Krishi Vigyan Kendra, Gadag advised to follow the measures adopted by Dr.Rajendra Singh and Dr.Shyam Sunder Paliwal to overcome the climatic vulnerability in Gadag district.



Awareness programme

N.H. Bhandi, SMS (Soil Science) & Mrs. Hemavati R. Hiregoudar,





KVK, HASSAN

Field Day on field bean

ICAR-KVK, Hassan has conducted the Field day on improved variety Hebbal avare-5 (HA-5) in Field bean at Rampura, C.R. Patna taluk. Mr. Basavaraju, Progressive farmer, Santheshivara, C.R. Patna taluk has inaugurated the programme and in his inaugural speech he said that farmers should adopt both improved varieties and organic farming practices in their farm to improve yield and soil health.

Dr. Arun kumar, B. R. scientist (Soil science) KVK, Hassan has organized the programme and during his remarks he said that to get higher income farmers should practice scientific farming by taking advice from the scientist and farmers should cultivate improved varieties in crops. Further he said that Field bean variety Hebbal Avare-5 is small sized beans with traditional taste, bushy type and short duration and it yields more so farmers can cultivate this variety. Dr. Nagagraja, T. Scientist (Plant Protection), KVK, Hassan has briefed how pest and disease will reduce the yield and cause lose to the farmers. Further, he suggested farmers to take up integrated pest and disease management in crops to avoid crop lose.

Finally, farmers were taken to the demonstration plots to show the results of HA-5 variety and technologies. Dr. Sanketh, C. V., Scientist (Agriculture Extension), Mr. Ranjith Kumar, Agriculture officer, Nuggehalli, Rampura Coconut Growers association President Mr. Dhanpal and 55 Farmers of Rampura and surrounding village were participated in the programme.



Field day on field bean HA-5

Dr. Arunkumar, B. R., Dr. Nagaraja, T., Dr. Rajegowda, Dr. Sanketh, C. V.



KVK, HAVERI

PM KISAN live webcast on release of the 15th Installment under the PM KISAN Scheme

ICAR-Krishi Vigyan Kendra, Haveri organized a PM KISAN live webcast on the eve of release of the 15th Installment under the PM KISAN Scheme at KVK Haveri (Hanumanamatti). On this occasion Sri. Chandrakant Kotabagi, Senior Technical Officer (Computer), KVK, Hanumanamatti welcomed Dr. Manjunath Antravalli, JDA, Haveri, Scientists of KVK and farmers of the Ranebennur taluk of Haveri District. Dr. Manjunath Antravalli, JDA, Haveri briefed about the PM KISAN scheme, eligible farmers can get Rs. 2,000 every four months, with total outlay of Rs. 6,000 per annum. In the programme Sri Naredra Thomar, Hon'ble Union Agricultural Minister informed the farmers about 15th installment of PM Kisan Yojana (PM Kisan) which will be transferred to the bank account of beneficiaries on November 15, 2023 that will cover the 8 crore farmers across the India. Sri Chandrakant Kotabagi explained about PM Kisan Yojana portal and narrated the steps involved in the verifying beneficiary status in www.pmkisan.gov.in portal. During this live webcast programme other scientists Dr. Santhosh H. M, Scientist (Horticulture), Smt. Vidya Sangannavar, SMS (Home Science) attended the programme, Finally, Dr. Shanthaveerayya, SMS (Agro metrology) explained about climate resilient technologies for the drought period. On this occasion more than 32 farmers were participated.



PM KISAN live telecast



KVK, IDUKKI

Saffron Harvesting Festival at Kanthallur, Idukki

Saffron bloomed for the first time in Kerala. On farm trial of Saffron cultivation was successfully carried out by a farmer named Ramamurthy at Kanthallur Perumala under the guidance of ICAR - KrishiVigyan Kendra, Idukki as per approval received from Indian Council for Agricultural Research - ATARI - Bengaluru. Studies have shown that saffron grown in Kashmir can be cultivated in Kerala. Kanthallur areas of Idukki district have found suitable soil for saffron cultivation. ICAR- ATARI, Zone XI- Bengaluru, Director, Dr. V. Venketasubramanian inaugurated the Harvesting festival of saffron. A large amount of saffron is grown in Kashmir, India. However, he said that the flower in Perumala was 1.5 mm larger than that. This is the first time saffron is being harvested in Kerala. As the cool climate of Kanthallur is favorable, saffron will be cultivated in five acres of Perumala. Sri. Sudhakar Soundarrajan, SMS plant Protection, KVK Idukki, undergone HRD training on Saffron cultivation from Saffron Research Station, Pampore and collected saffron corms from Pambur village in Srinagar. During 2022-23 first trails of saffron cultivation was conducted at Kanthalloor but due to erratic rains received at Kanthalloor the cultivation was not upto the expectation. But this year 2023-24 the saffron trail was remarkable.

Mr. Ramamurthy during 2023-24 cultivated saffron in his 25 cents. 200 kg of tuber was planted in 12 cents and the rest in poly house. The field was Properly maintained. The Team Headed by Dr R Marimuthu, Project leader Mr. Sudhakar Soundarajan along with his coleaders conducted frequent field visits to the plot and monitored the crop regularly. A good yield was obtained from his plot. Corms can be harvested within 30 to 50 days of planting. Three to five flowers are obtained depending on the size of the tuber. Up to one lakh tubers can be planted in one acre. 2.4 lakh to 2.50 lakh flowers will be obtained from this. It weighs one and a half kilograms. One kilo of saffron flower costs Rs 3 lakh. Dr. V. Venketasubramanian, Director, Zone XI- ICAR- ATARI Bengaluru, Mr. Mathew J Grace, Administrative Officer, Zone XI- ICAR- ATARI Bengaluru, Dr. R Marimuthu, Senior Scientist and Head, KVK Idukki, Mr. Sudhakar Soundarajan, SMS Plant Protection, Sri. P.T. Mohandas, Kanthalloor Panchayat President, Mr. Sathish, Agriculture Officer, Kanthalloor participated in the harvesting Festival.



കാന്തല്ലൂരിൽ കുങ്കുമപ്പൂ വിളഞ്ഞു കേരളത്തിൽ ആദ്യം

കാന്തല്ലൂരിൽ കുങ്കുമപ്പൂ വിളഞ്ഞു കേരളത്തിൽ ആദ്യം

കാന്തല്ലൂരിൽ കുങ്കുമപ്പൂ വിളഞ്ഞു കേരളത്തിൽ ആദ്യം

Saffron Harvesting Festival



KVK, KALABURAGI-I

Evaluation Field visits by KVK Scientists

A evaluation field visits for 'Krishi Ratna' award of UAR, Raichur was conducted by ICAR-Krishi Vigyan Kendra, Kalaburagi-I in collaboration with Department of Agriculture, Kalaburagi to the applied farmers from different villages of Kalaburagi district namely Kudahalli and Kollur, Chincholi taluka and Allagi (B), Afazalpur taluk on 9th and 10th, November, 2023. After field evaluation detailed evaluation report will be submitted to the university. In team, KVK, Senior Scientist and Head Dr. Raju G Teggeelli, Dr. Amaresh Y, Professor (Pathology), Dr. Hadimani, Technical Officer, DE, UAS, Raichur, Dr.Vasudev Naik, Chief Scientific Officer, UAS, Raichur, Dr. Mahantesh Jogi, Assistant Professor, College Of Agriculture, Kalaburagi, Sri. Veershetty, ADA, Chincholi, ATMA staff and progressive farmers were present and evaluated.



Evaluation Field visits

Training on Natural Farming: Present Status and Future Prospects

Keladi Shivappa Nayak University of Agricultural and Horticulture Sciences, Shivamogga in collaboration with NAHEP-IDP conducted 12 days National Training on Natural Farming: Present Status and Future Prospects for Scientists from 30.10.2023 to 10.11.2023 held at KSNUAHS Shivamogga campus. Five members are from UAS Raichur participated. From ICAR-Krishi Vigyan Kendra, Kalaburagi-I Soil Scientist, Dr.Shreenivas, B. V. has undergone the training. During the training, objectives, principles and importance of natural farming, organic farming nicely explained by Resource Scientists from the different states. The plant and soil health, eco-friendly smart agriculture, food production target and crop diversification, dry land agriculture situations best successful farmers success story, exposure visited to Natural Farming progressive farmers field of different villages of Shivamaogga and Chikkamagaluru districts, UAS, Dharwad, Research stations experimental plots and KVK, Kanherimath, Kolhapurand got elaborate information obtained during the training programme.



Training on Natural Farming



KVK, KALABURAGI-II

Rajyotsava Award-2023 winner Sri. Somanathreddy Purma and his achievements in agriculture

1	Full name	:	Sri. Somanath Reddy Purma
2	Father name	:	Sri. Chandra Reddy Purma
3	Date of Birth	:	15-08-1955
4	Address for communication	:	At: Post: Kodla (B) Pin-585 222 Tq: Sedam Dist: Gulbarga
5	Telephone / Mobile No:	:	9449783368
6	Educational Qualification	:	SSLC
7	Total area under cultivation	:	14 Acre of dry land
10	Awards	:	<ul style="list-style-type: none"> • Krishi Visharda Award given by ICAR, New Delhi during 2002 for Effective use of IPM in Redgram cultivation • ASPEE- S.L. Patel Award given by ASPEE foundation, Mumbai during 2003 for Highest Jowar production in dry land area • Krishi Pandit Award by Govt. of Karnataka for the year 2004-05 towards overall contribution to Agriculture • Art of Living Bangalore honored “Krishi Rushi” from the divine power of Sri Ravishankar Guruji on 2nd February 2011 at Bangalore • A prestigious and highly respected award “ Doordarshan Chandana award -2015” given to me on 15th November 2015 for contribution in organic farming, yoga, Afforestation and Gobar gas • My biography has been recorded in the booklet prepared by the ICAR has directory of champion farmers of the country in the year 2014 vide page No 53 • Dr. G. Madegowda Foundation Mandya Honored for promotion of organic farming including minor millets and pulses on 10th July 2016
11	Specialization	:	<ul style="list-style-type: none"> • Since 40 years engaged in dry land development to achieve self sufficiency in food production even in drought situation • Served as a resource person for many workshops/Krishi mela/Trainings/Seminar/Conferences etc., from block to national level • I have mobilized many rural youths through local institutions in creating awareness on Soil & Water Conservation, Rain water harvesting, Bio-Digester and use of Bio-Pesticides to avoid soil contamination in the form of residual effect. • I involved in conservation of indigenous seeds of Millets.





KVK TIMES - A WINDOW TO KVK'S OF ICAR-ATARI, ZONE-XI, BENGALURU

He is having new variety of Greengram BGS-9 in his name which was identified, recorded and released by UAS, Raichur. There is no alternate variety which will perform well than this till today. He is also genome savior of millet varieties. His achievement has been recognized by the state government selecting the current year Rajyotsava award for his achievement.

ಸಂಖ್ಯೆ ವಿಜಯವಾಣಿ

ಸೇಡಂ ತಾಲೂಕಿನ ಕೋಡ್ಲಾದ ಪ್ರಗತಿಪರ ರೈತನಿಗೆ ಒಲಿದು ಬಂದ ಸರ್ಕಾರದ ಅತ್ಯುನ್ನತ ಪ್ರಶಸ್ತಿ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ

ಕೆ.ಎಂ.ಎಸ್.ಎಲ್.ಕೆ.ನಲ್ಲಿ ಕೃಷಿ ಎಂ.ಎಸ್.ಎಲ್.ಕೆ.ನಲ್ಲಿ ಮೂರನೇ ಬಾರಿಗೆ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ ಲಭಿಸಿತು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ ಲಭಿಸಿತು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ ಲಭಿಸಿತು.

ಗೀಗೀಪದ ಗಾಯನದಲ್ಲಿ ಶಕುಂತಲಾ ಸಿದ್ಧಹಸ್ತ

ನೌಪದ್ಯ ರಚನೆಯ ಕೆಳಗೆ ಗಾಯನ ಮಾಡಿದಾಗ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ ಲಭಿಸಿತು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಕೃಷಿ ಸಾಧಕನಿಗೆ ರಾಜ್ಯೋತ್ಸವ ಗೌರವ ಲಭಿಸಿತು.

Capacity development programme for SC farmer under SCSP Programme

ICAR-Krishi Vigyan Kendra, Kalaburgi-II (Raddewadgi) organised capacity development program under SCSP programme on 8-11-2023 at Kalaburgi-II (Raddewadgi). During the event Dr. Manjunatha N, Sr. Scientist & Head ICAR-KVK, Kalaburgi-II (Raddewadgi) explained about improved production technologies in Chickpea.

Dr. Chethan T., Scientist (Horticulture), ICAR-KVK, Kalaburgi-II explained about improved production technologies of vegetables which are suitable for local conditions. Mr. M.C. Patil, Tech. officer (Farm Management) briefed about pest and diseases and its integrated management practices in chickpea later, Smt. Farzana M.K, Sr. Tech. officer (Soil Science) concluded about importance of soil health and its management. This was witnessed by more than 40 farmers and farm women and distributed chickpea and vegetables seeds





KVK, KANNUR

Low Cost Ripening Chamber for Banana

KVK Kannur demonstrated IIHR technology of low cost ripening chamber to banana farmers of Paithal Hills Farmer Producer Company, on 3rd November at Alakkode. Capacity of the ripening chamber is 1 tonne. This is a simple method for enhancing the ripening process by exposing the fruits to ethylene gas released from liquid ethrel. Highly useful for small farmers, traders and vendors to ripen fruits. This chamber promotes uniform ripening of banana and other fruits like mango, sapota, papaya etc.



Low cost ripening chamber

Demonstration of the technology was inaugurated by Dr. Jayaraj P., Programme Coordinator, KVK in a function presided over by Dr. K. M. Thomas, Chairman, Paithal Hills FPC. Session on scientific banana cultivation was handled by Smt. Mannambeth Renisha Jayarajan, Assistant Professor (Horticulture), KVK and Smt. Elizabeth Joseph, Assistant Professor (Home Science), KVK discussed about the possibilities of processing, value addition and commercialization of banana products. Last year KVK has demonstrated the low cost ripening chamber to mango farmers of Kuttiattoor FPO and the result was promising.



Inaugural session



KVK, KASARAGOD

Field Day on Demonstration Of Drone Technology In Rice.

ICAR-Krishi Vigyan Kendra CPCRI Kasaragod conducted a field day on Demonstration of Drone technology in rice at Bombrana on 13/11/2023. This programme was organized as a part of the front line demonstration on drone technology being implemented by Krishi Vigyan Kendra at Bombrana, Kumbla grama panchayath. The demonstration was conducted in 55 acres of paddy field belongs to 35 farmers during September 2023. The technology demonstrated is spraying of micro nutrient solution using drone in rice 40 to 50 days after transplanting. The demonstration was highly successful in addressing the micronutrient deficiency in rice, increased grain filling, higher productivity and reduced labour requirement for spraying.

The field day was attended by group of farmers. The programme was inaugurated by Dr KB Hebbar, Director ICAR-CPCRI Kasaragod. Dr Manojkumar T. S., Head KVK Kasaragod explained the activities under taken in the demonstration and also discussed about the major problems being faced by the farmers of Bombrana. The Agricultural officer, Krishi Bhavan Kumbla grama panchayath, Dr. Benjamine Mathew, SMS , K.Manikandan, Programme Assistant KVK Kasaragod and progressive farmers attended the field day programme.

Entrepreneurship Development Programme on Value Addition of Agricultural Produces

The ICAR- Krishi Vigyan Kendra, Kasaragod organised an Entrepreneurship development programme on Value addition of Agricultural Produces from 8 to 10th of October 2023. The programme was organised in collaboration with the Agri Business Incubator, Kerala Agricultural University, Thrissur under the PMFME scheme. A total of 20 entrepreneurs from Kasaragod district attended the programme. During the first day topics such as food domain knowledge, entrepreneurship development opportunities, packaging and labelling, branding and marketing and high end food production technologies were covered. The trainees were imparted practical training in the production of coconut and millet based value added products during the second day. During the third day various topics such as banking, business registration and legal compliance, coconut value addition and food processing equipments were covered. The entrepreneurs had registered under the PM Formalisation of Micro Food Processing Enterprises Scheme and have availed the benefits under the scheme. The inauguration of the programme was done by Dr. Sudheer K.P., Professor and Head, ABI, KAU and during the valedictory session was chaired by Dr. K.B.Hebbar, Director, ICAR-CPCRI.

Dr.Manojkumar T.S., Sh.K.Manikandan, Dr. Benjamin Mathew, Dr. Saritha Hegde, Dr.Neelofar I.K



EDP on value addition of agricultural produces



Field day





KVK, ERNAKULAM

School children under PM Schools for Rising India (PM SHRI) scheme visited KVK demonstration sites

Students 376 numbers from Kendriya Vidyalaya INS Dronacharya, Mundamveli, Kochi visited KVK demonstration sites located at Neericode and Alangad on 7th and 8th November 2023. The exposure visit was conducted under the PM SHRI scheme of Government of India. The students were exposed to various farm activities including Sugarcane farming, dairy farming, pearl spot fish farming etc. Both native and crossbred dairy animals were showcased and characteristics explained. The local farmers interacted with the students. Demonstration sessions conducted on preparation of potting mixture, planting vegetable seedlings, fish seed packing in oxygen filled bags and sugarcane juice extraction from freshly harvested canes. Freshly extracted sugarcane juice served to the students and advantages of natural drinks over packaged drinks explained. Subject matter specialists Dr. Vikas P.A , Shri. F Pushparaj Anjelo, Shri. Shoji Joy Edison and Dr. K Smita Sivadasan led the programme.



PM Shri school field visit



Sugarcane crop field visit as part of PM Shri school program



KVK, KOTTAYAM

Inter KVK visit to KVK- Kodagu

Staffs from KVK Kottayam made an exposure visit to KVK Kodagu at Gonikoppal during 10th and 11th November 2023. The visit helped to familiarize with various activities of KVK Kodagu and to establish a professional relationship. The visit to well maintained fruits orchard and the nursery for planting material production was a learning experience. The soil testing lab, mushroom and spawn production units, value addition unit and the animal husbandry units are found very much beneficial for the farmers of the district. The senior scientist and head of KVK Kodagu Dr. Prabhakara B. welcomed KVK Kottayam team and provided all the facilities for learning from KVK Kodagu. Staff from KVK Kodagu accompanied us for the field visit. After that we visited the field of a progressive farmer. He is cultivating 35 varieties of rice in 40 acres of land and various types of exotic fruit plants and ornamental plants in a scientific manner.



Exposure visit



KVK, KODAGU

Farmers Field School on Integrated Crop Management in Paddy

Paddy is one of important staple food crop of Kodagu District and the yield of crop is very low due to imbalanced use of Fertilizer, growing of local varieties and suffering from various pest and diseases like Blast, false smut and leaf folder infestation causing huge loss for the farmers. Keeping this in view ICAR-KVK, Kodagu implemented the Farmers Field School on Integrated Crop Management in Paddy at Balale village of Ponnampet Taluk. Dr.Veerendra Kumar K.V, SMS (Plant Protection) demonstrated the stem and fall army worm pheromone traps installation in farmers field. This demonstration of proven technology will create awareness among farmers to get higher yield and also manage stem and fall army worm insect infestation.



FFS on Integrated Crop Management in Paddy 1



Farmers Field School on Integrated Crop Management in Paddy 2

Cross learning programme between KVK'S

A cross learning programme was arranged for the staff of ICAR-KVK, Kottayam at ICAR-KVK, Kodagu on 10th Nov-2023. Mr. Prabhakara Head, KVK Kodagu welcomed the team and interacted with Dr. Jayalakshmi Head, KVK Kottayam and her staff regarding the on-going activities, special programmes and infrastructure developments at KVK Kodagu. Later, they visited the KVK laboratories and demonstration units at KVK Kodagu farm at Athur. In the second half, a field visit was arranged to the farm of Krishi Pandit Awardee farmer Shri. Ravishankar at Ponnampet. The Kottayam team interacted with the farmer about his innovation in 30 different paddy varietal conservation, seed production and the coffee based mixed farming system (coffee, Black pepper, fruit crops, vegetable crops, Composite fish culture, Bee keeping). Both the KVKs had a fruitful interaction and knowledge sharing among the KVK staff.



Cross learnig KVK Kodagu and KVK Kottayam staff



Cross learnig KVKs interaction





KVK, KOLAR

Participated in virtual event of World Food India, 2023

KVK Kolar organized and participated in virtual event of World Food India, 2023 inaugurated by Shri Narendra Modi, Hon'ble Prime Minister on 03rd November 2023 in iconic Bharat Mandapam, New Delhi with the theme of "Water is Life, Water is Food. Leave No One Behind". This theme stresses the importance of water in sustaining life on earth, and its fundamental linkages to our food sources. During the programme KVK Kolar started the new DAESI 5th Batch. Dr V. Nachegowda, DAESI Facilitator, Firdosh, and Dr. Anil Kumar S, Scientist (SS&AC) briefed DAESI Rules and Academic regulations in two sessions. All KVK staff and DAESI students participated in a total 50 members.



World food India

Tri-monthly workshop

KVK Kolar organized tri-monthly workshop for Horticulture department officials of Kolar, Chikkaballapur and Ramanagar districts at KVK, Kolar on 07.11.2023. Dr. S.L Jagadeesh, Associate Research and Extension Director Regional Horticulture Research and Extension Centre was chief guest. During the programme Dr. Sadanand Mushrif Associate professor COH Kolar explained about Plant protection practices in Potato. Dr. Manjunath Reddy T.B Scientist (Plant Protection) discussed about recent insecticides and Pesticides used in the market. Dr. Jyothi Kattagoudar Asst. Professor (Vegetable Science), Dr. Asha K.M Scientist (Horticulture), Dr. Anil Kumar S. Scientist (Soil Science) and Dr. Siddana Gowda Yadachi Asst. Professor briefed about advanced techniques in Vegetable crops, Nutrient and water management in potato and recently invented and used agricultural machinery respectively. Dr. Shivanand V. Hongal, Senior Scientist and Head presided over the function. Around 62 officers from 3 districts were participated and benefited from the workshop.

PM kisan Samman Nidhi - Release of 15th Instalment of PM-KISAN Scheme

ICAR-KVK, Kolar organized a Live telecast of PM kisan Samman Nidhi release of 15th Instalment of PM-KISAN Scheme at ICAR-KVK, Kolar on 15.11.2023. Prime Minister Narendra Modi today released the 15th installment of the Pradhan Mantri Kissan Samman Nidhi (PM-KISAN) scheme. This enabled the transfer of an amount of Rs 18,000 crore to more than eight crore farmers across the country.

Honourable PM transferred the money from Birsa College ground in Jharkhand's Khunti district on the occasion of tribal icon Birsa Munda's birth anniversary and the third 'Janjatiya Gaurav Diwas'. During the event, PM Modi also launched the Rs 24,000-crore Pradhan Mantri Particularly Vulnerable Tribal Groups (PM PVTG) Mission for the holistic development of around 28 lakh PVTGs in the country. During the programme, Dr. Maheshwarappa H.P. Director of Research, UHS Bagalkote, Shri Nagaraj, Assistant Director of Agriculture, Mulbagal, Dr. Shivanand V. Hongal, Senior Scientist and Head, ICAR-KVK, Kolar were presided over the function. About 60 farmers and extension officials benefitted from the programme.



Live telecast of PM Kissan programme

KVK KOLLAM

DGCA approved Kissan Drone Pilots

Kissan Drone is one of the promising innovative technologies in agriculture especially for surveillance, foliar nutrition and plant protection operations. In this regard, Government of India has launched Agri Drone project “Drone Technology Demonstration” through all KVKs across the country during 2022-23 for addressing the labour shortage issues by deploying drones in various agricultural field operations. Under this project KVK, Kollam has purchased an Agribot Drone during the financial year 2022-23 and trained pilots are mandatory for operating these drones in field. Drone pilot training has been funded by ICAR under Directorate General of Civil Aviation (DGCA) through approved training centres. The Directorate General of Civil Aviation is the regulatory body under the Ministry of Civil Aviation primarily dealing with safety issues. It is responsible for regulation of air transport services, air safety and airworthiness standards. The drones were purchased from biotech Aviation Pvt. Ltd. Gurguaon and they have entrusted PBC’s Aero Hub, Pune a DGCA approved RPTO (Remote Pilot Training Organisation) for the conduct of pilot training. Three staffs from Krishi Vigyan Kendra Kollam, Kerala including one SMS (Dr. Lekha M, Plant Protection) and two skilled staff (Mr Vishnu, Tractor Driver and Mrs Akhila, skilled assistant) has been nominated for the 5 day training. The training includes 2 day online theory and 3 day offline practical at PBC’s Aero hub Pune. The hands on training received from PBC’s Aerospace Pune equipped the staffs to operate drones and all the three have obtained “DGCA certified remote pilot licence”



Kissan drone pilots





KVK, KOPPAL

Field day on foxtail millet variety HN-46

Millets are one of the oldest foods, these are the small-seeded hardy crops which can grow well in dry zones or rain-fed areas under marginal conditions of soil fertility and moisture. Millets can not only grow in poor climatic or soil conditions and provide nutritious grain as well as fodder, but these can also very well fit into multiple cropping systems under irrigation as well as dryland farming due to their short growing season. Foxtail millet variety HN-46 has higher and fodder yield. ICAR-KVK Koppal organised field day on cultivation practices of foxtail millet HN-46 variety and its value addition in Kuderemoti on 2-11-2023. Programme was inaugurated by watering a plant by FPO president Sri Shankar Tallur. He explained the importance of millet and its cultivation. Dr. Radha.J Scientist (seed science and technology) explained in detail about foxtail millet variety characteristics, production and seed production. Dr. Kavitha Y. Ullikashi Scientist (Home science) explained about millet processing, milling and value addition. Smt Yashodamma field officer, ICICI foundation explained about use of millets in daily diet. More than 40 farmers benefited the programme.



Field day on foxtile millet

Training programme on Nutri garden

Nutri garden play important role in alleviating malnutrition in rural areas. Nutri garden play an important role in human provides fresh fruits and vegetables round the year at our hand along and fulfils the micronutrients requirements of the body. Establishment of nutri garden in rural areas is easy due to availability of space and farm families are already engaged in agriculture practices. Practices of nutri garden have many social benefits such as better health and nutrition, increased income, employment, food security within the household, and enhance community social life. ICAR Krishi Vigyan Kendra, Koppal organised training programme on 8.11.2023 in Guttur village Yelburga taluka. Programme was inaugurated by watering the plant by Dr. Kavitha Ullikashi Scientist (Home Science) and explained the importance of nutri garden in for management of micronutrient deficiency in children and women. She also narrated about the nutritional importance of vegetables and different low-cost nutritious diet for children. Smt. Meenakshi Field worker ICICI foundation explained the different cultivation of vegetables. Smt. Huligamma senior farm women shared her experience and usage of nutri garden established in kharif season. About 40 farm women were participated in the programme.



Training on nutrigarden



National Ayurveda Day celebrated

KVK celebrated 8th National Ayurveda Day with address by Dr. Sanil Kumar BAMS, Member, Kerala State Medicinal Plant Board and experts lecture on Introduction of medicinal plants and their medicinal potential by Dr. Aswathi, V, Kadiyangadu and Cultivation of medicinal plants by Dr K.M. Prakash, SMS, KVK. The programme was inaugurated by Dr P. Ratha Krishnan, Head, KVK and attended by farmers from Paleri, Nadapuram, Maruthomkara and staff of KVK and Experimental farm, IISR. Neem and Ashoka saplings were distributed to participants.



Celebration of National Ayurveda Day



KVK, KOZHIKODE

Live Webcasting of Kissan Samman Nidhi –Release of 15th Instalment held at KVK, Kozhikode

On the occasion of release of 15th instalment of PM Kissan Samman Nidhi, live webcasting of inauguration of the programme by Honourable Prime Minister of India was organized at KVK, Kozhikode on 15th November 2023. A training programme on natural farming along with field visit to demonstration plots was also organized on the day. Farmers from Maruthomkara, Changaroth, Perambra, Naduvannur, Kottur and other parts of Kozhikode district attended the programme along with staff of KVK.



Live Webcasting of Kissan Samman Nidhi

C. K. Jayakumar, Technical Officer, KVK, Dr. P.S. Manoj, SMS, KVK and Dr. P.Ratha Krishnan, Head, KVK, Kozhikode, Kerala

Soil health campaign organized

A soil health campaign was organized at Karuvannur in collaboration with Kavunthara Service Cooperative Bank on 14.11.2023. A method demonstration was also organized on collection of soil samples. Soil samples were also collected from different farmers' fields. About 20 farmers participated in the campaign. The programme was led by Dr. P.Ratha Krishnan and Dr. K.M.Prakash



Soil Health Campaign

Dr. K.M.Prakash, SMS, KVK and Dr.P.Rathakrishnan, Head, KVK, Kozhikode, Kerala



KVK, MALAPPURAM

“Empowering Farmers through Fruitful Value Addition in Fruits and Vegetables”

KVK Malappuram conducted Capacity building programme for resource persons of Wandoor block panchayath as part of BPKP (Bharatiya Prakrithik Krishi Paddhati) on 09.11.2023. Dr. Lilia Baby, Assistant Professor (Community Science) handled theory and practical sessions in value addition and processing of fruits and vegetables. Value addition allows them to diversify their product offerings, reach new markets, and potentially increase their income.



Capacity building programme

One-Day Training Empowers Farmers in Scientific betel vine Cultivation

The scientific betelvine cultivation training at Tanur panchayath, led by the renowned Dr. Akhil Raj, attracted a diverse group of farmers. The program's objective was to equip participants with cutting-edge techniques and knowledge essential for successful betelvine farming. Dr. Akhil Raj provided detailed insights into the critical process of mother plant selection, stressing the importance of high-quality mother plants and planting material treatments. Attendees were introduced to various betelvine cultivars suitable for the local climate. The training covered a wide range of cultivation practices, including soil preparation, planting techniques, spacing, irrigation, and nutrient management. Participants had the opportunity to observe and practice these techniques. Attendees gained knowledge about the identification and management of common diseases and pests that affect betelvine. Dr. Akhil Raj introduced integrated pest management techniques and eco-friendly solutions. The training included valuable insights into post-harvest handling and storage techniques to maintain the quality and freshness of harvested betel leaves, reducing post-harvest losses. The day featured interactive sessions where participants could ask questions, seek clarifications, and share their experiences, fostering dynamic learning.



One day training





An insight into importance of soil testing and soil health card in agriculture

On 9th November 2023 an expert interaction session was conducted at KVK Malappuram for first year students of KMGVHSS Tavanur. The focus of the session was on soil testing and the significance of soil health cards in agricultural practices. The session was expertly handled by Mrs. Shruthi K.T. (SMS Agronomy). The session provided a comprehensive overview of soil testing, emphasizing its role in assessing soil fertility and nutrient levels. The students gained insights into the importance of understanding soil composition for sustainable agriculture. Practical aspects of soil sampling were elucidated, covering techniques to collect representative soil samples. The practical session and soil lab familiarization stressed the need for precision in sampling to obtain accurate results, which is vital for informed decision making in agriculture. Students were given opportunities to ask questions and engage in discussions, enhancing their understanding of the subject matter.



Expert interaction session

PM Kissan Samman Nidhi installment release and inauguration of Viksit Bharat Sankalp Yathra telecasting

KVK, Malappuram telecasted the PM Kissan Sammelan Nidhi 15th installment release and inauguration of Viksit Bharat Sankalp Yathra on 15th November 2023. 50 farmers from different areas of the District viewed the function at KVK, Malappuram. Dr. Priya G Nair, Programme co-ordinator, KVK, Malappuram addressed the gathering and summed up the points of the programme for the participants



Live telecast programme

Field trials on Fish silage for poultry feeding

Back yard poultry rearing is one of the promising agricultural activity in most of the rural households in the state, providing quality animal protein for the families together with small income on a regular basis. Since the birds are fed mostly with household food wastes, comprised predominantly of carbohydrate substances, supplementation of protein substrates are highly essential to improve health, enhance growth rate and betterment of egg production. Owing to the very high price of compounded feeds in the state, supplementary feeding with readymade poultry feed become highly uneconomic. As affordable alternatives for supplementation of protein rich



ingredients for back yard poultry, fish silage prepared from fish processing wastes and Azolla grown in the backyard garden are being compared in the households through an on farm trial.



KVK, MANDYA

The Field day on “Integrated Pest Management in Chrysanthemum” was organized at Alphahalli, Nagamangala taluk on 06.11.2023. Programme was inaugurated by Dr. Naresh, N.T, Senior Scientist and Head, KVK, V.C. Farm, Mandya, he highlighted the importance of soil health and its management in avoiding pest and disease. Dr. Divya, B, Scientist (Horticulture) explained Integrated Pest Management Techniques like use of bio-agents (trichoderma and pseudomonas), Boarder crops, installation of traps, use of raised beds, crop rotation, application of neem soap, plant based insecticide like spinosad and its importance in Chrysanthemum. Department Officials from Agriculture Department, ATMA representative, KVK Scientists were also presented. Around 26 farmers attended the programme and witnessed the management of Chrysanthemum crop through integrated approach at farmer field.





KVK, Mysore

Pradhan Manthri Kissan Sammana Yojan live telecast program

ICAR-JSS KVK, Suttur organized Pradhan Manthri Kissan Sammana Yojan live telecast programme on 15th November 2023 at ICAR-JSS KVK, Suttur. The program was started 11.00 AM. The Prime Minister Shri Narendra modi address the event and explained about government schemes. JSS Suttur staff and 33 farmers participated in the programme.



Live telecast programme

Participation in Krishi Sakhi programme as resource person

On Nov 9th SS&H/ Scientist (Seed tech) Participated in Krishi Sakhi programme at Naganahalli. In this programme she gave Guest lecture on KVK Activities such as Agri Clinic, Soil water testing labs, FPTC, nursery, seed processing unit, training facilities available at KVK. She also gave information on KVK Krishimela and opportunities for them to participate as a entrepreneur or from SHG groups. Later in detail she explained about Scope of seed production, Seed production techniques, seed certification, Seed germination, seed treatment tests etc., in this training more than 30 members participated and took the information.



Krishi Sakhi programme

Participation in “bamboo-the wonder grass” study tour cum training at IFGTB Coimbatore

ICAR-JSS KVK, Mysuru scientist Shri. Shamaraj (SMS Agronomy) participated in “bamboo-the wonder grass” study tour cum training 06-10 November at IFGTB Coimbatore. Ministry of forest and environment science sponsored Indian Council of Forest Research and Education New Delhi and IFGTB Coimbatore has jointly organized “bamboo-the wonder grass” study tour cum training at IFGTB Coimbatore. In the study tour we have visited a bamboo setum, a place where lot of bamboo species are grown and primary processing is done to bamboo, visited to bamboo value addition centre, where bamboo crafting and bamboo mat making is done. During training course, lot of wonder things about botany and life cycle of bamboo species and over view of bamboo cultivation in India and value addition to bamboo is



learnt. The principal scientist of IFGTB Shri. Dominic savio coordinated the study tour of BWG (Bamboo wonder Grass).



study tour cum training at IFGTB Coimbatore

SATHI project proposal from JSS cluster institutes

Scientist from ICAR JSS Krishi Vigyan Kendra Suttur attended the Sophisticated Analytical & Technical Help Institutes (SATHI) project proposal meeting at IIT Kanpur, Noida campus New Delhi along with cluster institutes comes under JSS Mahavidyapeetha Mysore. The project will help the entrepreneurs/researchers/pharmaceutical industries to utilize the sophisticated instruments for their research need. The project will enhance the KVK visibility and provide the better opportunities for Agri entrepreneur/start-ups.



Visit to SATHI

Farmers' seminar and installation of pins for soil loss estimation

A one-day farmer seminar was organised at Ayloorpanchayath on November 6th as a part of the state plan project on soil loss estimation in river basins. The seminar was inaugurated by Sri. Vighnesh, President, Ayloor Grama panchayath. Dr. Gilsha Bai, Assistant Professor (Agricultural Engineering), College of Agriculture Vellanikkara handled a session on soil and water conservation methods. Dr. Sumiya K.V., Programme Co-ordinator, KVK Palakkad explained integrated pest and disease management in paddy as the preparation for second crop was going on. This was followed by a farmer student interaction. First year B.Sc. students from the College of Agriculture, Vellanikkara participated in the discussion under the leadership of Dr. Smitha Baby, Assistant Professor (Agricultural Extension), College of Agriculture, Vellanikkara. The students collected information on cropping pattern, major crops, farming practices adopted etc.

The programme was conducted in a farmer's field in Ayloor Panchayath where soil erosion was experienced after floods in 2018. Pins for estimation of soil loss were installed in the plot which comes in the basins of Gayathrippuzha, which is a tributary of Bharathappuzha. Eight pins were established at various degree of slope. Soil lost from beneath the pin will be measured in order to suggest suitable soil conservation measures to be adopted in each slope.

Dr. Sumiya K.V



Farmers seminar

Inauguration of Vikasith Bharat Sankalp Yatra at Attappadyand Pradhan Mantri Kisan Samman Nidhi Programme

Sri. Arif Mohammed Khan, the honorable Governor of Kerala inaugurated Vikasith Bharat Sankalp Yatra at Agali, Attappady in Palakkad district on 15th November. The Governor addressed a gathering of tribal people and assured them that the central government is committed to their development. The Minister of state for external affairs, V. Muralidharan also addressed the gathering. Tribal independence activist, Sri. Bhagawan Birsa Munda was commemorated. The programme was attended by more than 200 people. Nano urea application in fields using drones was demonstrated in farmers' fields. Leaf lets on soil health management and soil and water conservation measures and soil health cards were distributed among farmers. In this gathering 15th release of Pradhan Mantri Kisan Samman Nidhi was telecasted. On the same day, Krishi Vigyan Kendra, Palakkad conducted a one-day training programme on tuber crops on the occasion of the 15th installment release of the Pradhan Mantri Kisan Samman Nidhi. The programme was attended by 40 male farmers and 20 female farmers from the Palakkad district. The inauguration of the scheme by the Honorable Prime Minister Sri Narendra Modi ji, at Khunti, Jharkhand was live telecasted to the participants of training programme as well as to staffs in KVK. The farmers were very enthusiastic about the programme and appreciated the opportunity to learn more about the PM-Kissan scheme. The SC farmers were given the saplings of cabbage, cauliflower and gooseberry on the same day,



PM Kissan programme	Inauguration

Training class on importance of millets and millet processing under SCSP programme

The training class on importance of millets and millet processing was conducted at Erumayoor Panchayat of Palakkad district on November 13, 2023 as a part of the Scheduled Castes Sub Plan (SCSP) program. The training class was attended by 30 SC farmers from the Erumayoor Panchayat. The training was inaugurated by Erumayoor Panchayat president and other officials from the panchayat were also present during the programme. The training class was conducted by Dr. Lakshmy P.S, Assistant Professor, KVK Palakkad. The training class was very informative and helpful for the farmers. They were taught about the importance of millets, its nutritional and therapeutic benefits, the different types of millets, and different processing methods adopted in millet processing. This knowledge will help them to improve their own nutrition and to generate additional income by venturing in to millet processing.

Dr. Lakshmy P.S., Assistant Professor, K.V.K. Palakkad



Training programme





KVK, PATHANAMTHITTA

ICAR-KVK, Pathanamthitta paves way for 16 food processing units through kudumbasree district mission in the district

A three days Vocational training on “*Processing and Value addition of Fruits, Vegetables and Spices*” for kudumbasree members was conducted at ICAR-KVK, Pathanamthitta from 7th to 9th Nov. 2023 as part of the Janakiyasutranam project 2023-24 of District Panchayat, Pathanamthitta under the banner of Kudumbasree District Mission. The training was inaugurated by Sri. Gigi Mathew, Member, Pathanamthitta district panchayat and Chairman of Welfare Standing Committee in the presence of Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta and Smt. Adhila S, District Coordinator, Kudumbasree District Mission. The technical session was lead by Dr. Shana Harshan, SMS (Home Sc.), ICAR-KVK, Pathanamthitta. The programme aims to initiate sixteen food processing units in the district. 30 Kudumbasree members participated in the training.



Agro processing 2



Agro processing 1

Five days Skill Development Programme on Bee Keeping

ICAR-KVK, Pathanamthitta organised 5 days skill development training on “Bee keeping” as part of the project Attracting and Retaining Youth in Agriculture (ARYA) The programme was inaugurated by Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta. As part of training 25 youths were given hand on experience training on topics like Introduction to Bee and bee keeping, Bee flora and pollination, Indian honey bee seasonal management, Dammer bee rearing, Bee hive manufacturing and harvesting, packaging and marketing. Sessions on value added products from Honey and Honey wax and financial literacy were also handled. During the training, exposure visit to the honeybee farm of Sri. Jacob John was also arranged. The technical session was lead by Mr. Alex John, SMS (Plant Protection), ICAR-KVK, Pathanamthitta.

Dr. C.P Robert, Senior Scientist and Head and Dr. Sindhu Sadanandan, SMS (Agril. Extension)



ARYA-Bee keeping-Group photo



ARYA-Bee keeping-practical Session 2



KVK, RAICHUR

Kissan Mela on High Density and Closer spacing in Cotton

Kissan mela on high density planting system (HDPS) in cotton was organised at Koppal village of Devadurga taluka on 29.11.2023 by ICAR-KrishiVigyan Kendra, Raichur in collaboration with AICRP on cotton, MARS, Raichur. This kissan mela was conducted under special project of NFSM-Cotton sponsored by Central Institute of Cotton Research, Nagpur. At the outset, Dr. S. N.,Bhat, Senior Scientist& Head, ICAR-KVK, Raichur welcomed scientists and farmers who were participated in this kissan mela. Dr. S. N., Bhat gave detailed speech on importance of closer spacing in cotton and nutrient management in cotton. Further, he advised the farmers to give more impetus on cotton stalk incorporation by using cotton shredder which helps in conservation of soil moisture and also improves soil fertility and thus reduces the dependency on chemical fertilizers. Dr. J. M., Nidagundi, Head, AICRP on cotton, MARS, Raichur gave information regarding the high density planting method (HDPS) in cotton, as well as the different varieties and hybrids of cotton. He also discussed the differences between Bt cotton and Desi cotton and seed rates for both HDPS and NDPS in cotton. Dr. Neelkanth S. Hiremani, Scientist (Plant Pathology), Central Institute of Cotton Research, Nagpur participated in this kissan mela as special guest and advised the farmers to go for low cost eco-friendly approaches to reduce disease infestation, such as deep summer ploughing, seed treatment with *Pseudomonas* and *Trichoderma*, field sanitation, incorporation of compost and regular monitoring of field. Dr. S.G., Hanchinal, Scientist (Entomology), AICRP on cotton, MARS, Raichur, provided comprehensive information on management of sucking pests and pink bollworm in cotton using eco-friendly methods and if necessary to use chemical measures. In order to manage pest infestation in cotton, Dr. Hanchinal urged farmers to adopt an Integrated Pest Management approach and also recommended to use of SPLAT (helio, pbw&faw) to control fall army worm (FAW), pink bollworm (PBW) and helicoverpa (HELIO).

At last, Dr. Shreevani G. N., Scientist (Entomology) ICAR-KVK, Raichur concluded the kissan mela with vote of thanks and young professionals viz., Dr. Sangeeta (Agronomy) and Dr. Umesh Babu B. S. (Genetics & Plant Breeding) were present on this occasion. About 150 farmers were participated in this kissan mela.



Kissan Mela on High Density and Closer spacing in Cotton



KVK, RAMANAGARA

Skill Training on “Nursery management” for Rural Youth (STRY)

ICAR-KrishiVigyan Kendra Ramanagara in collaboration with MANAGE, Hyderabad and SAMETI, UAS, Bengaluru organised six days skill development training programme on “Nursery management” from 06.11.2023 to 11.11.2023 at K.V.K. Magadi, Ramanagara (D). In six days training Scientist (Horticulture) Dr. Deepa Pujar explained about Nursery management practices, propagation methods followed in horticultural crops, types of nurseries, seedling beds, seed treatment and method demonstration was conducted on seedling bed preparation, seed treatment with fungicides and bio fertilizers, Seed bed fumigation, cutting (hardwood, semi hardwood and soft wood cuttings and leaf cuttings) layering (air and simple) grafting (vener, stone, approach, top grafting) and budding (T, I, patch, ring). Dr. G. S. K. Swamy, Prof. and Head Fruit science, COH, Bengaluru explained about nutrition management in nursery, media and growth regulators use in nursery and demonstrated Closed Media Sachet (CMS) technology for better rooting of hardwood cuttings. Mrs. Shantha Balagonda, SMS, (DAMU) briefed about different propagation structures, role of temperature and humidity in rooting of saplings. Dr. Rajendra Prasad B. S., Scientist plant protection, briefed about pest and disease incidence in nursery seedlings and their control measures. Dr. Praveen Kumar, Scientist, Horticulture, KVK, Chikkaballapura, gave information on mother block establishment and its maintenance, bud wood certification and nursery act. Shri. Nazim, Assistant Horticulture officer, Magadi explained about schemes and subsidies available for nursery establishment and its maintenance. Dr. Sowjanya S., Scientist (Agricultural extension) gave session on business ethics, marketing and stress management. In the Valedictory session Senior Scientist & Head distributed participation certificate to all the trainees.



Skill training programme



KVK, SHIVAMOGA

National Training on Natural Farming-Present Status and future Prospects

ICAR KVK, Shivamogga organized 12 days IDP sponsored National training programme on Natural farming in collaboration with Department of Agronomy, College of Agriculture, KSNUAHS, Shivamogga from 30.10.2023 to 10.11.2023 The programme was inaugurated by the Honorable vice-chancellor Dr. R.C. Jagadeesha, KSNUAHS, Shivamogga. During his inaugural speech he addressed awareness about soil deterioration and loss of soil habitat. He enlightened about various soil management practices in order to enhance soil fertility.

Training on natural is a unique programme which helps to strengthen the knowledge about various practices in natural farming, which will help to educate the knowledge of farmers in field by minimizing the cost of cultivation and guide them for appropriate action on time. During the programme the lecture schedule were covered on different topic like Restoring the Soil health by reverting to non-chemical agriculture, desi cow based coactions in natural farming cultivation, maintenance of soil diversity, efficient use of natural and local resources. The practice of natural farming includes no use of chemical inputs, use of local seeds and the creation of suitable micro-climate for hastening soil microbial activity. Resource person from different farm universities and esteemed ICAR institutes were participated.

The participants from different farm universities of Karnataka, Maharashtra, Telangana and Andrapradesh were participated. A total of 28 participants in the cadre of Professor, Associate Professor and Assistant Professor were participated in the programme and got benefitted. The programme was organized by Dr. G.K.Girijesh (Senior Scientist and Head, KVK), and Dr Ashok. M., Scientist (Animal Science).



National training on natural farming



KVK, THRISSUR

Empowering Scheduled Caste Farmers through SCSP Initiatives

ICAR KrishiVigyan Kendra Thrissur organised a capacity building programme on 03/11/2023 in collaboration with All India Coordinated Research Project on Climate Change Research of Department of Agricultural Meteorology, College of Agriculture Vellanikkara for 25 scheduled caste farmers of Vellangallor Panchayath. This initiative aimed to empower farmers by equipping them with up-to-date knowledge on the importance of climate-resilient crops, effective cultivation and management techniques, as well as insights into processing and value addition methods, fostering a sustainable and resilient agricultural ecosystem in the region.

The session helped in elucidating millets' nutritional richness, environmental sustainability, and adaptability, emphasizing their pivotal role in addressing contemporary dietary challenges and contributing to a healthier and more sustainable future. All the farmers were distributed with a kit containing seeds, fertilisers, bio-agents and booklets as a part of SCSP programme. This hands-on session not only emphasized millet processing techniques but also aimed at cultivating practical skills essential for incorporating millets into everyday diets, contributing to the broader goal of achieving nutritional security and promoting the widespread adoption of these nutritious grains.

Scientific Advisory Committee

The XXII Scientific Advisory Committee meeting of ICAR-KVK Thrissur was held on 09/11/2023 under the chairmanship of Dr. Jacob John, Director of Extension, Kerala Agricultural University. The officials from various line departments attended the meeting. The SAC meeting's central focus, as emphasized by the ATARI nodal officer, was gaining insights into critical challenges faced by KVK, with an emphasis on problem identification rather than exhaustive discussions on past or future actions. The Programme Coordinator of KVK Thrissur presented the action taken report of the previous SAC meeting on 01.12.2022. Dr. Rayudu, Nodal officer, ATARI, Bangalore emphasised the importance of strictly quantifying all data related to FLD/OFT.

Following the presentations by Subject Matter Specialists of KVK Thrissur, the members of the SAC put forth critical comments. Director of Extension opined that KVK Thrissur may be instrumental to ensure the availability of the setsof mosaic resistant tapioca variety Sree Raksha to the farmers of endemic areas. He opined that extension scientist evaluates the technology's impact in all KVK experiments in terms of technology adoption rate.SAC farmer representative, Sri Pradeep Kumar raised an apprehension regarding low yield and increased pest and disease incidence in cowpea fields of Pazhayannur under Namdari variety. A diagnostic visit was planned to his field to address these issues. Noteworthy participants from NABARD, Ollukkara block, ICAR-CIFT, KVASU, Mannuthy, CoA, Vellanikkara, KVK Palakkad, KVK, Malappuram, and two farmer representatives attended the meeting and all put forth critical comments making the session really fruitful.



Capacity building programme of SC armers of Vellangalloor block



SAC Meeting at KVK Thrissur





15th installment of the Pradhan Mantri Kisan Samman Nidhi (PM-Kissan)

ICAR Krishi Vigyan Kendra, Mitraniketan, Thiruvanthapuram organized the live web telecast of the release of 15th installment of PM Kissan Samman Nidhi by Honourable Prime Minister at Birsa College, Khunti, Jharkhand on 15th November 2023. The live web telecast arranged at KVK was viewed by 67 progressive farmers from across the district.

PM KISAN is a flagship programme of Govt. of India aimed at providing direct income support to all land holding farmer families. During his presidential address, Hon, PM announced that Rs. 18,000 crores will be released through direct benefits transfer to more than 8 crore beneficiaries under the 15th installment of Pradhan Mantri Kisan Samman Nidhi. This financial assistance will support farmers in meeting their agricultural and other incidental needs. Under the scheme, till now, more than Rs. 2.62 lakh crores have been transferred to famers' accounts in 14 instalments. The Ministry of Agriculture and Farmers Welfare has also launched a PM-KISAN AI Chatbot (Kissan e-Mitra), which will provide the farmers with a one-stop solution for their grievances related to the PM-KISAN scheme. Integrated with Bhashini, the chatbot offers support in local languages such as Hindi, Tamil, Odia, Bengali and English through voice and text assistance. These technological solutions aim to address general queries and grievances raised by the beneficiaries promptly and effectively. The Chatbot is enabling farmers in obtaining answers to all their scheme-related questions, providing them with accurate and timely information.



Live telecast of PM Kissan programme



KVK, TUMAKURU-I

One Year Diploma in Agriculture under Distance Education

ICAR-KVK, Tumakuru-I organized six days contact classes for one year Diploma in Agriculture under Distance Education from 6th to 11th November 2023 (1st Semester). The programme was inaugurated by Dr. V. Govinda Gowda, Senior Scientist & Head, KVK, Tumkur-I and addressed the scope and importance of Agricultural Education under Distance mode. The resource person from KVK Konehalli, College of Agriculture Hasan, Line Departments from Tiptur handled the course regarding Basic Agriculture, Production technologies in food and commercial crops, Soil fertility and nutrient management, Problematic soils and there management, Production technogies in Horticultural crops, Introduction on Forest crops and Environmental Sciences, Seed production technologies and Agriculture allied sectors.

Programme on live webcast release of 15th installment of PM Kisan Samman Nidhi scheme

ICAR-KVK, Tumakuru-I organized live telecast release of 15th installment of PM Kisan Samman Nidhi scheme. In the live telecast Honourable Prime minister Sri. Narendra Modi ji inaugurated and released the 15th installment of PM Kisan Samman Nidhi scheme worth over 18,000 crore to more than 8 crore farmers on November 15, 2023. On this occasion Dr. V. Govinda Gowda, Senior Scientist & Head, inaugurated the programme and addressed the audience that, eKYC is mandatory for PM kisan registered farmers OTP based eKYC is available on PM kisan portal or nearest CAC centres may be contacted for eKYC. Mr. Sharath Kumar, H.N., Training Co-ordinator, Akshaya Kalpa pvt. Ltd. delivered a lecture on entrepreneurship opportunities in dairy sector. During this programme KVK scientist, 47 farmers and farm women from Tumakuru district were participated.



One year diploma

Live telecast of PM Kissan programme





KVK, TUMAKURU-II

ICAR-KVK, Hirehalli, Tumakuru II organized hands on training to 20 final year B.Sc. (Hon's) Agriculture RAWE students of College of Agriculture, Hanumanamatti, Haveri (Dist.) from 30th October 2023 to 11th November 2023 (2 week). They have undergone hand on training at our production unit viz., foliar nutritions, organic products, mushroom spawn production unit etc., The programme was coordinated by Dr. Loganandhan,N., and N. Jagadish, KVK, Tumakuru II



Hands on training

KVK, UTTARAKANNADA

Visit of H'ble VC and other officials of UAS Dharwad to Shri Madhukeshwar Hegde's apiary unit

On 10th November, 2023 H'ble Vice Chancellor Dr. P. L. Patil, Director of Education Dr. V. R. Kiresur, Dean (Forestry) Dr. R. Vasudeva and other officials visited Shri Madhukeshwar Hegde's apiary and medicinal garden at Targod, Sirsi Tq. He is the one who got appreciation from our H'ble Prime Minister, Shri Narendra Modi in Mann ki Baat programme. He is also KVK contact farmer and excellent resource person for bee keeping trainings. He is maintaining around 2000 bee colonies with 4 to 6 tonnes honey yield.

Dr. Roopa S. Patil, Senior Scientist and Head, KVK Uttara Kannada



Explaining by products and value added products related to apiary



KVK, UDUPI

Training programme on Nutri garden at Valabailu

An off campus training programme for implementation of FLD on nutri garden was organized at Valabailu, Cherkadi on 02.11.2023. Beneficiaries were identified for implementation of Nutri garden FLD. They were told about the importance of nutri garden, different fruits and vegetables suitable nutri garden, their cultivation and management. Identified farmers were given with vegetable seed kit, Grafts of Mango, Jack and Sapota. A demonstration of nutri garden was initiated. Dr. Raviraja Shetty G, Scientist(Horticulture) organized the programme & served as resource person.



Nutri Garden Vaddarse



Nutri Garden Vaddarse

Training programme on Nutrigarden at Vaddarse

A off campus training programme on Nutrigarden was organized at Vaddarse, Kota on 09.11.2023. The participants were made aware of importance of nutrigarden, Establishment and management of nutrigarden, organic methods of control of pest & diseases. Few beneficiaries were identified among the participants and they were provided with seed kit to establish Nutrigarden in their home. Dr. Raviraja Shetty G, Scientist (Horticulture) organized the programme.



Nutri Garden valabail-1



Nutri Garden valabail-2

Training programme on Scientific Jasmine cultivation

A off campus training programme on “Scientific Jasmine cultivation” was organized on 11.11.2023 at Kokkarne. The farmers were taught about Integrated crop management in Jasmine, planting material production in Jasmine, pruning techniques etc. The beneficiaries for implementation of FLD on “ Effect of pruning in Jasmine” were identified. Dr. Raviraja Shetty G, organized the programme. The FLD was also implemented after the training programme.



Scientific jasmine cultivation-1



KVK, VIJAYAPURA-I

ICAR-KVK Vijaypur-1 has organized 6 days on campus training programme called “Krishi Sakhi” for Community resource persons working at Panchayat level. This programme was sponsored by Zilla panchyath, Vijayapur district. The training was organized from 6-11th November, 2023. The training was inaugurated by Dr. S.S. Angadi, Director of Extension, UAS, Dharwad. In the training, around 30 Community women resource persons were participated and got benefited. The inaugural session was also witnessed by Dr. I.K.Kalappanavar, Dean(Agri.), AC,Vijayapura, Dr. R. B. Belli, ADE, Vijayapur Dr. S.S.Sajjana, ADR,Vijayapura, Mr. Vishwanth, Scheme Supervisor, ZP office Vijayapur, Dr. S. M. Vastrad, Senior Scientist and Head, KVK, Vijayapur. All the Scientific staff from KVK and College of Agriculture, Vijaypur were delivered the lectures on scheduled topics.



Krishi Sakhi training programme



KVK, VIJAYAPURA-II

Diagnostic field visit

ICAR-KVK (Vijayapura-II) Indi: During diagnostic field visit at Baragudi village of Indi Tq where sorghum crop affected with stem borer and guava affected with beetle and other pest. Dr. Prakasha G., Scientist (Agronomy) briefed the symptoms of affected crop and control measures. Sorghum crop grown in rabi season under black soil. Stem borer (*Chiloptellus*) is a pest that affects sorghum, maize, sugarcane, rice and all cereals crops. Symptoms of damage: Withering and drying of central shoot -“dead heart” Red mining in the midrib, Bore holes visible on the stem near the nodes. Tender folded leaves have parallel “shot hole” Affected parts of stem may show internally tunneling of caterpillars. Scientist explains the control measures, sowing the lablab / cowpea as an intercrop to minimise the pest (Sorghum: Lablab /cowpea 4:1).Set up of light traps till mid night to monitor, attract and kill adults stem borer, grain midge and earhead caterpillars. Mix any one of the following insecticides with sand to makeup a total quantity of 50 kg/ha and apply in the leaf whorls:Phorate 10 G 8 kg/ha. Carbofuran 3 G 17 kg/ha. Spraying of recent molecules Emamectine benzoate (2 g/lit) proven best in control of this pest. Beetle pest noticed in Guava plot and scientist suggested the control measures to apply any one of the following insecticides Chlorpyrifos 20%EC 1000 ml/ha, Imidacloprid 17.8% SL 100-125 ml/ha and Methyl demeton 25% EC 1000 ml/ha.



Field visit

Dr.Prakasha G., Scientist (Agronomy)



KVK, WAYANAD

Training on Good agricultural practices in paddy

ICAR KVK Wayanad conducted one day training for Pazhassi Farmers Producer Organization, FPO group, at Kenichira. Sri. Venu P. T, Director, FPO welcomed the gathering. The programme was inaugurated by Smt. Lissyamma, Industrial department. Presidential address was delivered by Sri. Karunakaran Nair P, Chairman. Classes were lead by Smt. Ashitha M.R , Assistant Professor, Horticulture, KVK Wayanad. Topics like good agricultural practices in paddy were discussed in the event. 44 farmers actively participated in the event.



Class on Good agricultural practices in paddy dealing by Smt. Ashitha M.R, SMS

Skill development training on Value addition of banana

KVK Wayanad conducted one day skill development training on value addition of banana for farmers from Chelannur, Kakkur block, Kozhikode district. Dr. Safia N.E, Senior Scientist and Head, KVK Wayanad, handled theory session on nutritional importance and value addition of banana. Smt. Priya Mariam George, Research Assistant dealt the practical session. 40 farmers actively participated in the training programme.



Skill development training on value addition of banana



KVK TIMES

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