

Vol. 11 Issue: 34 16-30, Nov. 2024

KVK TIMES

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



कृषि विज्ञान केंद्र
Krishi Vigyan Kendra
Serving Farmers

ICAR - Agricultural Technology
Application Research Institute

ICAR - Krishi Vigyan Kendra Palakkad
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*"Nature's canvas,
painted with vibrant hues of agriculture."*



Published By :

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Director, ICAR - ATARI, Zone XI, Bengaluru

Technical Guidance :

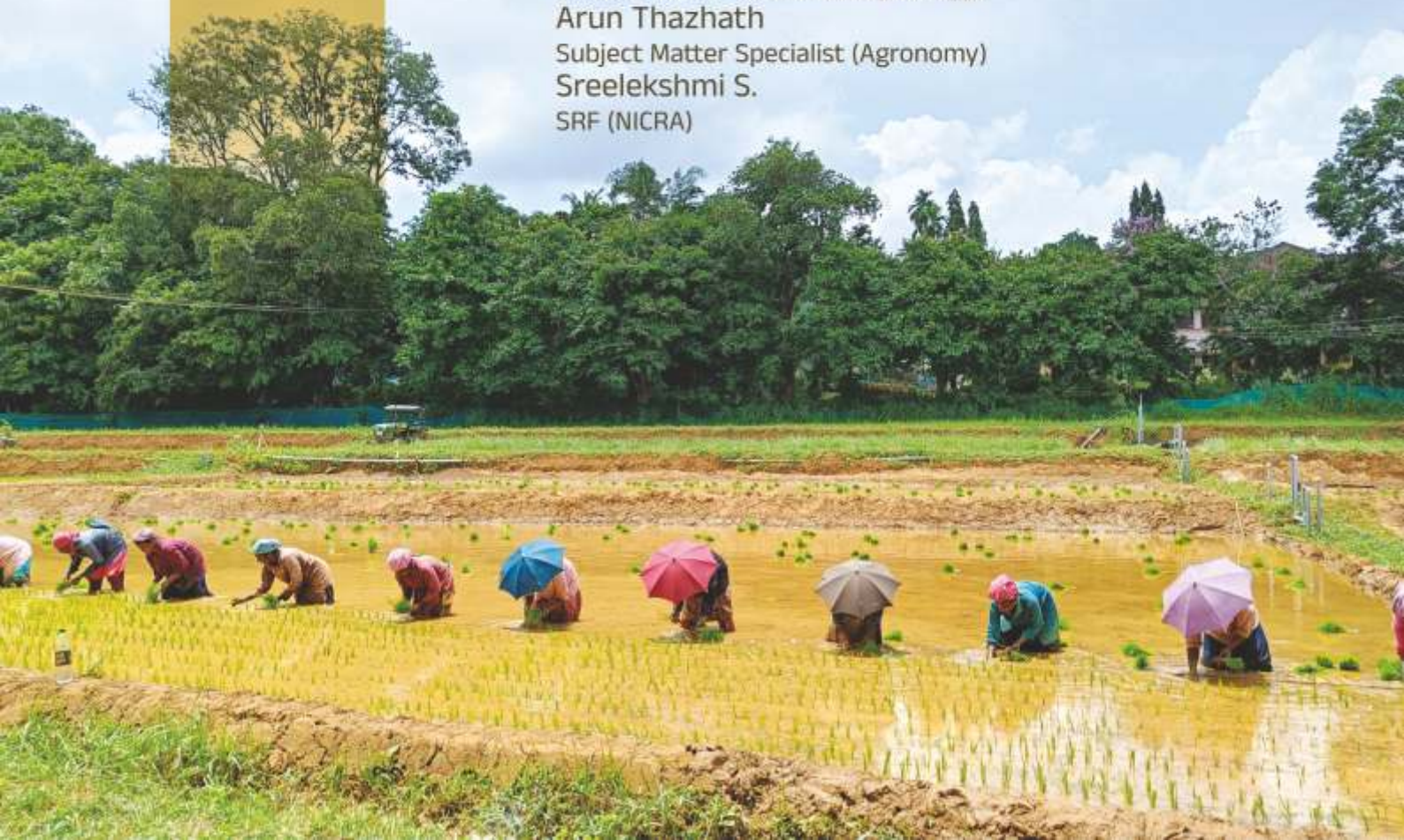
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MESSAGE

Dr. B. Ashok
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Krishi Vigyan Kendras (KVKs) are pivotal in bridging the gap between agricultural research and practical application, bringing advanced technologies directly to farmers' fields. These grassroots institutions play a crucial role in strengthening the Agricultural knowledge and innovation system by empowering farmers, supporting Farmer Producer Organizations (FPOs), fostering agribusiness opportunities, and building the capacities of farmers, farm women, extension workers, and rural youth. Through these impactful initiatives, KVKs contribute significantly to the socioeconomic upliftment of rural communities. Documenting their efforts creates a valuable repository of innovative practices and success stories in frontline extension.

The launch of KVK Times, a fortnightly e-newsletter by ICAR - ATARI Bengaluru, Zone XI, is a commendable endeavor. This publication provides a vital platform for KVKs in the region to showcase their achievements, innovative approaches, and contributions to agricultural development. By fostering collaboration and sharing knowledge, KVK Times strengthens the visibility and impact of KVK activities across Kerala, Karnataka and Lakshadweep.

I extend my heartfelt congratulations to the KVK Palakkad team for their outstanding work in compiling this 34th issue of KVK Times, Volume II, and commend the collective efforts of ICAR-ATARI Bengaluru, the Directorate of Extension, and all KVKs involved. This publication is a testament to their unwavering commitment to advancing agricultural extension and driving sustainable rural development

Thrissur
30.11.2024

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Dr. B. Ashok



FOREWARD

Dr. V. Venkatasubrahmanian
Director, ICAR - ATARI
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ICAR-Agricultural Technology Application Research Institute, Zone XI

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

MRS, HA Farm Post, Hebbal, Bengaluru 560 024

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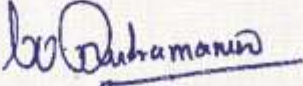
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Krishi Vigyan Kendras are playing pivotal role in handholding of farmers through technological backstopping for enhancing the productivity of crops and enterprise keeping in mind profitability and sustainability. 'Believing through seeing' and 'Learning 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 Palakkad is bringing up the 34th issue of second volume of KVK TIMES covering the second fortnight of November 2024. I congratulate the KVK fraternity of Zone XI specially Dr. Sumiya K.V, Senior Scientist and Head and his team of KVK, Palakkad for bringing out this unique edition of KVK Times.


(V Venkatasubramanian)

Bengaluru
30.11.2024

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MESSAGE

Dr. Jacob John

Director of Extension

Kerala Agricultural University

Krishi Vigyan Kendras (KVKs), the cornerstones of India's frontline agricultural extension system, are tirelessly dedicated to advancing the well-being of farmers and rural communities. Through technology assessment, refinement, and transfer, KVKs ensure that the latest innovations reach the grassroots, thereby enabling farmers to improve productivity, resilience, and sustainability. By conducting on-farm trials, front-line demonstrations, and skill-building programs, KVKs empower farmers and agripreneurs alike, equipping them with knowledge and resources to increase their incomes and enhance rural livelihoods. Each KVK acts as a guiding light for holistic rural development within its district.

The launch of KVK Times as a fortnightly newsletter by ATARI Zone XI is a commendable initiative, thus creating a unique platform for KVKs to showcase their impactful work. This publication not only celebrates the achievements of each KVK but also fosters knowledge-sharing and collaboration, highlighting how KVKs empower the farming community.

I wholeheartedly appreciate and congratulate the Head and team of KVK Palakkad for their exceptional work in compiling the 34th issue of KVK Times, Volume 2. This issue, which spotlights the achievements of KVKs in Kerala, Karnataka and Lakshadweep reflect their dedication, innovation, and commitment to excellence in agricultural extension and rural development.

Thrissur
30.11.2024

A handwritten signature in black ink, appearing to read 'Jacob John', written over a white background.

Dr. Jacob John





ACKNOWLEDGEMENT

Dr. Sumiya K.V.
Senior Scientist & Head
KVK Palakkad

I am deeply honoured and delighted to have the opportunity to compile and edit the 34th issue of KVK Times, Vol. II. This has been an enriching cross-learning experience, enabling each KVK to refine and enhance its activities. I sincerely express my gratitude to the Hon'ble Vice-Chancellor of Kerala Agricultural University, Dr. Ashok B, IAS, for his invaluable guidance and unwavering support in facilitating the activities of KVK. I would like to express my heartfelt appreciation to our Director of Extension, Dr. Jacob John, for his unwavering support and insightful guidance, which have been instrumental in enabling KVK Palakkad to better serve the farming community.

With profound respect and great joy, I extend my heartfelt gratitude to Dr. V. Venkatasubramanian, Director of ATARI Bengaluru, for his exceptional support, inspiration, and encouragement. His guidance has been a driving force, motivating us to work with greater efficiency and focus. I sincerely thank Dr. Thimmappa K., Principal Scientist, ATARI Bengaluru and Nodal Officer for KVK Palakkad, for his invaluable guidance and unwavering encouragement. I extend my sincere thanks to ATARI Bengaluru for giving us an opportunity to document the activities of KVKs in zone XI during the last fortnight of November.

I thank all 48 KVKs of zone XI for sharing their activities and achievements during this period for compilation in KVK times. I would like to express my heartfelt gratitude and appreciation to the dedicated team at KVK Palakkad for their unwavering cooperation and wholehearted involvement in every activity of the KVK. I truly feel privileged to be part of such a vibrant and committed team.

Palakkad
30.11.2024

A handwritten signature in blue ink, appearing to read 'Sumiya K.V.', positioned above the printed name.

Dr. Sumiya K.V.



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***Custom hiring
Centre launched***

KVK-Alappuzha in collaboration with Vallikunnam Agricultural Improvement Cooperative Society (VAICoS) launched a custom hiring centre of farm machineries for the benefit of farmers in Bharanikkav block. Farm equipments viz., tractor with attachments like cultivator and rotavator, power tiller, mulching machine, shredder, zero till cum fertilizer drill and walk behind paddy transplanter owned by the KVK were handed over to VAICoS on a MoA for making available to farmers of the area at a nominal cost. Sri. M S Arunkumar, MLA, Mavelikkara launched the programme on 26th November, 24 by handing over the machineries to the society. On the occasion, the Scheduled Caste Sub Plan (SCSP) activities of the KVK for the year 2024-25 was also inaugurated by handing over grafted planting materials of mango, jack and sapota, seedlings of Muringa, curry leaf, guava and bush pepper to fifty selected SC farm families with the objective to ensure their homestead nutritional security. KVK Newsletter (July-Sept, 24) was released by the dignitaries in the function. Smt. D Rohini, President, and Sri. Mohankumar, N, Vice president, Vallikunnam gramapanchayath, Sri K V



Abhilash, member, Bharanikavu block panchayath, Dr. P. Muralidharan, Head, KVK, Sri P Sureshkumar, President, VAICOS and Sri. M S Rajeev, SMS, KVK spoke on the occasion. About 100 farmers of the panchayath attended in the meeting.

(M. S. Rajeev, SMS)

***Participated in coconut festival
(coco fest-2024) at lakshadweep***

Head, KVK - Alappuzha participated in the Coconut Festival (Coco Fest-2024) organized at Kavaratti by ICAR-KVK-Lakshadweep in association with ICAR-ATARI, Bengaluru with technical support from different ICAR Institutes, KVKs of Kerala and Karnataka, Other Govt. agencies, and FPOs. The three day festival conducted from 20th to 22nd November, 24 with exhibition, technical sessions, competitions and cultural



programmes was a huge event in the island with the participation of a lot of farmers, public and students. KVK-Alappuzha exhibited 12 different value added products



of coconut which was attracted by the officials as well as public and entrepreneurs. Booklet on “Value added products of coconut” in Malayalam (from

KVK-Alappuzha) which contained the procedures for these products was provided to five different women groups for further preparation. Dr. P. Muralidharan, Head participated in the technical sessions and



discussed the topic “Turmeric as a potential intercrop in coconut gardens of Lakshadweep”. He also served as a member of the judging panel for the recipe competition for women represented from different islands of the Lakshadweep. Hundreds of farmers and public actively participated in the three day festival.

(P. Muralidharan, Head)



Aptic of the KVK attracts farmers and entrepreneurs from different districts and states

Farmers, officials and entrepreneurs from different parts of the state and other states visited the Agro Processing Training cum Incubation Centre (APTIC) of the KVK to acquaint, learn and build capacity on agro-processing and value addition aspects of different agricultural produces. Forty eight participants, mostly entrepreneur men and women, from 11 districts of Kerala (except



Kozhikode, Palakkad and Wayanad) attended a two day paid training programme on “Processing and value addition of fruits and vegetables” organized on 25th and 26th November, 24. Eight farmer leaders of a FPO along with two SMSs from KVK-Uttar Kannada, Karnataka visited the KVK and attended orientation cum training programme on value addition of banana and other crops on 29th November, 24.

(Jissy George, SMS)

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KVK Bagalkot on 20th November, 2024 participated in bimonthly meeting at progressive farmer Mahadev Choli's farm at Hosur of Jamakhandi taluk which was organized by Department of Agriculture. KVK scientists involved in technical sessions where different issues related to rabi season was discussed. In the afternoon session, two progressive farmers' fields were visited.



On 20-11-2024, Dr. B D Biradar, Director of Extension, University of Agricultural Sciences, Dharwad visited and inspected KVK Bagalkot.



KVK Bagalkot involved in 'Kisan Pakwada' program at Mahalingpur village in collaboration with Bank of Baroda, Rohini Biotech Pvt. Ltd and Dept. of Agriculture. Dr. R B Belli, Associate Director of Extension, UAS, Dharwad, Dr. R A Nandagavi, Senior Scientist and Head, KVK, Bagalkot inaugurated the program



On 22-11-2024, KVK Animal Scientist Dr. Venkanna Balaganur spoke about importance of organic dairy farming. Dr. Ramitha B E, SMS (Home Science) spoke about importance of healthy dietary practices in daily life of farm families. A total of 200 farmers witnessed the program.



On 22-11-2024, KVK team visited Rohini Dairy Farm at Mahalingapur and visited Organic Jaggery Producing Unit at Mughalkhod of Mudhol taluk under the flagship programme of Entrepreneurship Development Program of KVK.



KVK Bagalkot involved in taking pledge on the eve of Constitution Day on 26-11-2024.

On 27th November, 2024 ICAR-KVK, Bagalkot in collaboration with KREDL conducted awareness training programme on “Energy Efficient Pumpsets, soil and water conservation”



where 82 farmers and farm women witnessed the programme. During the event brochures on Energy Conservation was inaugurated and distributed to farmers.



Off-Campus training programme was organized on 'Integrated disease and pest management in chilli' at Choudapur village of Bagalkote taluk by KVK, Bagalkote scientists and made follow up visits to FLD field on management of black thrips in chilli at Hallur village of Bagalkote taluk on 28-11-2024



On 29-11-2024, off-campus training was conducted on 'Importance of millet based foods in daily diet of farm families' where 32 farm women participated in the training.

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Promotion of Poultry Farming Among IFS Farmers in Sandur

OPJ Centre, was led by CSR Head Mr. Peddanna, who highlighted the importance of poultry farming as a viable supplement to traditional crops. He emphasized that poultry can significantly boost farm productivity and provide farmers with a reliable source of income.

Esteemed scientists from ICAR-KVK, including Dr. Palaiah (Pathologist), Dr. Ravi S. (Soil Scientist), and Dr. Mallesh (Agronomist), provided technical guidance on effective chick management, disease



In a bid to enhance agricultural sustainability and diversify income sources, JSW Foundation, in collaboration with ICAR-KVK Hagari, launched an initiative to promote poultry farming among Integrated Farming System (IFS) farmers in Sandurtaluk on 29-11-2024. The project involved the distribution of Giriraja small chicks to 50 selected farmers, offering a promising opportunity to integrate poultry into their existing farming practices.

The distribution event, held at the

control, and optimal feeding practices. Their expertise ensured that the farmers received the knowledge necessary to maximize the potential of their poultry ventures.

This initiative marks a significant step in supporting IFS farmers by introducing poultry as a valuable farming component. Through such collaborations, the program aims to improve livelihoods, promote agricultural diversity, and contribute to the socio-economic development of the region.





Organized field day on NFSM pulse CFLD pigeon pea

ICAR BIRDS Krishi Vigyan Kendra Tukkanatti Belagavi-1, is organized field day on NFSM Pulse CFLD pigeon pea at



Adalhatti village of Athani taluk Belagavi district. Field day helps farming communities and individual farmers to increase the production, sales, and revenues for crops. Field day aware the introduction of new technologies and practices, improved management approaches, new varieties of crops. Field day to help farming communities to sharing their own practiced technologies and farmers can get clear information in particular crop. Programme addressed by Shri. R. M. Patil Chairman of ICAR BIRDS KVK Belagavi-1 president of the programme they expressed about importance of plantation of Horticultural and forest seedlings and farmers aware about soil and water conservation measures. Chief guest Dr. S.D Kolekar Nodal officer of KVK, ATARI Bemgaluru attended the programme and shared valuable information with farming community in the field day and they visited demonstration plots and suggested some

skills and technologies. Another chief guest Dr.H.D.Kolekar Deputy Director of Agriculture Chikkodi division Belagavi. He explained some special and progressive farmers information and facilities available in Agricultural departments. Farmers should visit the some progressive and skilled farmer's plots and aware the new technologies in particular crops from KVK Scientists and Agricultural Departments. Shri. D. C. Chougala Scientist plant protection delivered lecture on Integrated Pest Management in Pigeon pea. Shri.M.N.Malawadi Scientist Agronomy addressed the introductory speech on NFSM Pulse CFLD Pigeon pea programme implementation and gave the information and modern technologies practiced during crop growth period. Agronomist explained about climate change and its impact on crop



growth and yield, farmers should aware the climate changes and its management practice.

ICAR BIRDS KVK Tukkanatti implemented NFSM Pulse CFLD Pigeon pea programme at Kohalli and Adalhatti villages of Athani taluk in an area of 50 hectare and 125 demonstrations with Integrated Crop Management. KVK Scientists provided the technologies from Land preparation to harvesting and also provided critical inputs. Dr. D A. Mhethre Senior Scientist and Head, Dr. S. C. Koujalagi and more than 100 farmers and farm womens were participated in the field dayprogramme.

- M.N.Malawadi, Scientist (Agronomy)



Off Campus Training Programme

G.B. Vishwanath, Scientist (Agronomy), KVK-Belagavi-II, conducted off campus training programme at Damane, Belagavi taluk under the Pilot Project on



Crop Diversification funded by NBSS and LUP, Regional Centre, Bengaluru. He explained about package of practices on *Rabijowar*, Black gram and lentil. Critical inputs like rabi jowar seeds variety SPV - 2217, black gram LBG-791, bio-fertilizers like *rhizobium*, PSB, *Azospirillum* and seed treatment chemicals were provided to beneficiaries.

Visit of Dignitaries

Dr. P. L. Patil, Vice-Chancellor, UAS, Dharwad visited KVK-Belagavi-II on 16.11.2024 and interacted with B.Sc (Agri) final year students undergoing RAW course at KVK campus for two months. During the event Shri. B.R. Patil, Chairman, KVK-Belagavi-II and Dr. Manjunath Chouraddi, Senior Scientist & Head were present.



Paddy Field Day

KVK Mattikopp, Organised Paddy Field Day on ICM in Paddy variety GNV-1109 at Kodachawada village of Khanapur taluk. G.B. Vishwanath, Scientist (Agronomy) explained about varietal characteristics, agronomic practices-nutrient, weed and water management practices. He briefed on post harvest technologies, puffing and flaking etc. Mr Manjunath Kusagal BTM, ATMA Khanapur explained about ATMA



activities. Programme was inaugurated by Kallappa Emoji, President Grama panchayat Kodachawada. FLD implemented farmer's gave positive feedback and 65 farmers were witnessed the performance of the variety GNV-1109.

Participated in Krishi Mela

KLEKVK, Mattikopp successfully organized Krishi Mela in association with Ishaprabhu Krishi Utpanna Marukatte Samiti, Bailhongal on the eve of Shri Maradi Basaveshwara Jatra Mahotsava



during 19-21 November, 2024 at APMC yard, Bailhongal. KVK stall was inaugurated by Shri Shri Shri Neelagunda Mahaswamiji, Murusaviramath, Bailhongal, Shri Mahantesh Koujalagi, Hon'ble MLA, Bailhongal and President, KLE Society, Belagavi, Shri V.I. Patil, Hon'ble Ex-MLA, Bailhongal and Director, KLE Society, Belagavi. During the technical sessions, Dr. Manjunath Chouraddi, Senior Scientist & Head delivered the lecture on Integrated pest and disease management in sugarcane, Dr. S.S. Hiremath, Scientist (Plant Protection) interacted with farmers on management of white grub in sugarcane and pest and disease management in bengal gram, S.M. Warad, Scientist (Soil Science) delivered talk on soil health management, G.B. Vishwanath, Scientist (Agronomy) interacted with farmers on availability of soybean, green gram, black gram, pigeon pea for ensuing kharif season Vinoda M. Kochi and KVK staff participated in the event. KVK received the participation certificate from Shri Mahantesh Koujalagi, Hon'ble MLA, Bailhongal & President, KLE Society, Belagavi on 21.11.2024.

Group Meeting

A meeting of farmers/ entrepreneurs mentored by KVK was organized at KVK, Mattikopp to identify and register their products under Kisan Samridhi Brand.



Dr. Manjunath Chouraddi, Senior Scientist & Head, Dr. S.S. Hiremath, Scientist (Plant Protection) and S.M. Warad, Scientist (Soil Science) interacted with the participants and got updation of products from each entrepreneur. Many organically grown farm products and value added products were shortlisted to register under Kisan Samridhi brand and decided to create an outlet at Belagavi city to provide market linkage. Twenty entrepreneurs participated and contributed their views.

Field visit Children's of PMSHRI



As a part of field visit children's of PMSHRI (PM Schools for raising of India)

Government Kannada Model Primary School, Nayanagar visited KVK, Belagavi-II instructional farm and visited all the demo units like papaya, cashew, mango orchards, azolla, dairy and fish pond units. Dr. S.S. Hiremath, Scientist (Plant Protection), S.M. Warad, Scientist (Soil Science), Praveen Yadahalli, Scientist (Horticulture) interacted and educated the Children's about the importance agriculture. More than 60 children's along with Shri M.M. Sangolli, Head Master, Shri P.P. Sontakki, PMSHRI Nodal Teacher accompanied the children's during the visit.



Field Day on Redgram

A Field Day on Redgram was organised at Salahalli village in Ramadurg taluk under NFSM- CFLD Redgram. S.M. Warad, Scientist (Soil Science) highlighted the salient features of variety GRG-152 and its superiority in growth and yield attributing parameters over local variety. Dr. S.S. Hiremath, Scientist (Plant Protection) discussed identification of insect pests symptoms and their control measures.





Organized a Farmers Scientist interaction about the On farm testing (OFT)

ICAR Krishi Vigyan Kendra, Bengaluru Rural District organized a famers-scientist interaction about the technology on 'Assessment on eco-friendly management of black thrips (*Thrips parvispinus*) in chilli' at Thimmasandra village of Hosakote taluk on 29.11.2024. The trials were taken in selected five farmers field for assessing three



technological options of UHS (Bagalkot), NBAIR, Bangalore, PJTSAU, Hyderabad along with the farmers practice. The crop was in harvesting stage. Dr. B.G. Hanumantharaya, Senior Scientist & Head briefed about different technological options for management of black thrips through the application of enriched FYM, installation of yellow and blue sticky traps and spraying of bio-fertilizers and other plant protection chemicals. Mrs. Manjula, B.V., Technical Officer will coordinated the programme, Dr. G. Eswarappa, Scientist

(Apiculture) and Mrs. Meghana, S.V., Home Scientist had took part in the field day. Totally, 35 farmers and farm women were benefited from the programme.

Conducted Field day on pole bean

ICAR KVK, organized another field day on 'Eco-friendly management of pest and disease in pole bean' at Lakkondahalli village of Hosakotetaluk on 29.11.2024. The demonstrations were taken in 10 farmers field in lakkondahalli village. The UAS (B) technologies were demonstrated for the management of pest



and diseases in pole bean through the eco-friendly practices, viz., seed treatment with thiamethoxam, maize as trap crop, application of enriched FYM with *pseudomonas*, installation of yellow and blue sticky trap, spraying of sea weed extract and other plant protection chemicals. The Senior Scientist & Head explained the importance of eco-friendly practices and other plant protection measures. Dr.G.Eswarappa, Scientist (Apiculture) briefed about the importance of apiary and effect of pollination on yield increase. During the programme, Mrs. Manjula, B.V., Technical Officer and Mrs. Meghana, S.V., Home Scientist were participated in the programme. Totally, 38 farmers and farmwomen from the neighboring villages of Lakkondahalli were benefited from the programme

Senior Scientist & Head

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"Empowering Farmers with Sustainable Agriculture: KVK Bidar Leads the Way"

On November 14, 2024, ICAR-KVK Bidar hosted a MYRADA-sponsored training programme on "Sustainable Agriculture." The event witnessed enthusiastic participation from 37 farmers and 16 farm women, eager to adopt eco-friendly and innovative farming practices. The training was meticulously organized, featuring KVK scientists who shared

insights on advanced agricultural technologies. Participants were encouraged to embrace sustainable methods to enhance productivity and environmental stewardship. The interactive sessions fostered a learning atmosphere, equipping attendees with actionable strategies for resilient farming. This initiative underscores KVK Bidar's commitment to empowering rural communities and driving agricultural progress through knowledge and innovation.





UAS Bengaluru Krishimela - 2024

Theme: Climate Smart Digital Agriculture

University of Agricultural Sciences, Bengaluru in collaboration with development departments, NABARD and KMF conducted Krishimela, the annual grand agriculture fair cum exhibition at GKVK from 14th to 17th November, 2024. The programme witnessed a participation of over 32 lakh people covering farmers,



extension personnel, general public and students. The Krishimela illustrated demonstrations on integrated farming system, cropping systems suitable for dryland farming, newly released improved varieties of different crops, precision farming, medicinal & aromatic plants, nutrimitlets, watershed management, organic farming, integrated nutrient management, integrated pest & diseases management, soilless agriculture, market expertise information, microirrigation, soil test crop responses,



rain water & roof water harvesting, improved farm machineries, post harvest technologies, processing, value addition, renewable energy sources, self propelled tractors and tractor drawn equipments. A consultation desk was arranged with discipline wise scientists' services for answering the farmers' queries.

Further, KVKs stall was given best stall award under special category for



having been demonstrated and exhibited the technologies related to climate risk management emphasizing digital platforms. A facility to telecast the Kisan Samridhi videos related to Kisan Samridhi products, KVK activities, successful entrepreneurs, improved agro technologies, YouTube channel videos related to agriculture and associated illustrations was arranged. The farmers' interaction programme was conducted and progressive farmers & farm women from different districts were felicitated. An exhibition through more than 730 stalls showcasing agro technologies pertaining to crop varieties/hybrids (cereals, pulses, oilseeds, millets, fruits, vegetables, plantation crop, spice crops, potential crops) plant protection, plant nutrition, irrigation & water management, agriculture machineries, drones, natural resource management, water harvesting, ground water recharge, live stock management, fodder production, nursery management, poly house cultivation, hydroponics, terrace gardening, processing and value addition was arranged.

Author: Yogesh,G.S., Mohankumar A.B.



Field day on Improved production technologies of Hybrid maize

A field day on “Improved production technologies of Hybrid maize (MAH-14-5)” was conducted at Muneshwara colony, Chamarajanagara taluk under tribal sub



plan programme. Eleven demonstrations were initiated during late kharif in selected stakeholders' plots and improved technologies like recommended seed rate, spacing, application of manures & fertilizers, water management, weed management and integrated pest and diseases management were demonstrated. Hybrid Maize MAH-14-5 is tolerant to

Turcicum leaf blight disease, downy mildew, Fusarium stalk rot and is a stay green hybrid with uniform maturity. Scientist (Agronomy) and Scientist (Home Science) facilitated and conducted the



programme and provided information on production technologies and post harvest processing & value addition in Maize. Progressive farmer Sri.Shivrame gowda, provided feedback mentioning an additional yield advantage over farmers' practice due to the reduction in disease incidence and also expressed that a better fodder can be obtained by cultivating this hybrid. A total of 40 members participated in the field day.

Author: Yogesh,G.S., & Deepa. J



Exposure Visit to Krishimela 2024

Farmers of Kutarajanahlli Village were taken to Krishimela under Village adoption Programme organized by UAS, Bangalore at GVKK campus on



17.11.2024, Farmers were taken to different demonstration plots and explained about various technologies by Dr. Sandhya, K. Scientist (Soil Science). 40 farmers participated in the programme.

Demonstration on spray of pulse magic in Redgram

Demonstration on spray of pulse magic in Redgram was carried out by



ICAR-KrishiVigyan Kendra, Chikkaballapura on 27.11.2024 at Kamaganahalli village of Gouribidanur taluk of Chikkaballapura district. Dr. Tanweer Ahmed,

Scientist (Agricultural Extension) highlighted the importance of micro nutrient



mixture (Pulse magic) in reducing the flower drop and improving the quality in redgram and demonstrated the spray of pulse magic in farmer field.

School Soil Health Programme

School Soil Health programme was organized by ICAR - KVK, Chikkaballapura in collaboration with department of agriculture at Jawaharlal Nehru Vidhyalaya, Yenigadale, Chintamani. Dr. Sandhya, Scientist (Soil Science) explained about soil analysis, soil



health card and soil test based fertilizer recommendation. Dr. Srinivas, Assistant Director of Agriculture, Principal, teachers and 60 students were present in the programme.

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Organic Cultivator (Small Unit) training under ASCI skill development program at ICAR KVK Chikkamagaluru

ICAR - KVK, Mudigere, Chikkamagaluru is organizing many skill development and entrepreneurial trainings on new skills and innovative thinking in the field of agriculture and allied aspects. Likewise, KVK, Mudigere have started ASCI Vocational Skill Development training program with a job role on Organic Cultivator (Small unit) for 25 participants. The training was inaugurated and graced by Dr. Chandregowda, M. J., Principal Scientist & Nodal Officer, ATARI

Bengaluru, Dr. A. T. Krishnamurthy, Senior Scientist & Head, KVK-Mudigere, Sri Chandrashekar Mugtihalli, Krishi Pandit Awardee natural farmer, and progressive organic farmers Sri Manjunath Hebbale and Ashok Vajuvalli were present. Dr. Chandregowda, M. J., addressed the gathering and gave insight about the ASCI-training programs, role of trainees and the need of skill development for a happily successful farmer. Sri Chandrashekar Mugtihalli highlighted the need and importance of organic farming in the present day agriculture.

ASCI-Organic Cultivator (Small Unit) training program aims at training individuals on Agro-climatic zone specific cultivation of crops as per organic package of practice by integrating cattle, on farm input generation, resource recycling to organically produce & market by excluding direct or indirect synthetic inputs along with various demonstrations.





Event report of Horse gram field day organized at Ikkanuru village of Hiriyurtaluk on 25-11-2024

Field day on Horse gram was organized at the Ikkanuru village of Hiriyurtaluk by KVK, Chitradurgain collaboration with Department of Agriculture, Hiriyur on 25-11-2024.

Dr. O.Kumara, Sr. Scientist and Head, KVK was participated as Chief Guest during the programme and discussed about the importance of pulse crop in human health. He also briefed that Horse Gram PHG-9 variety exhibits excellent traits, including a shorter growth cycle of 100-105 days and resistance to yellow poison disease. “Under proper care, this variety can yield 3-4 quintals per acre, providing farmers an additional profit of Rs. 2000 per quintal”. He suggested the farmers to adopt the new variety.

Mr. Kiran Kumar, Agriculture Officer, Hiriyur opined that Horse gram grown is suitable for drought situation and is one of the important pulse crops used regularly in Karnataka. He also briefed the importance of adopting PHG-9 variety.



Event report on Skill training on Bee Keeping and Repair of Sprayers

Krishi Vigya Kendra, Chitradurga and Organic Farming Research centre, Shivamogga have jointly organised three days skill training on Bee Keeping and repair of Sprayers from 15-11-2024 to 17-11-2024 at KVK, Chitradurga.

Dr. Sharanappa Jangandi, Associate Director of Research, ZAHRS, Babbur Farm inaugurated the programme and during his inaugural speech, he suggested the unemployed youth to engage themselves in any of the self-employment activity to lead a comfortable life and also to become self-sustained. The main intention of this training programme is to make the youth experts in Bee keeping and by adopting bee keeping as an income generating activity one can make it as a passion and also earn money by selling Honey, Bee wax etc.



Dr. Kumara O, Senior Scientist and Head, KVK, Chitradurga was presided over the programme and during his presidential address he discussed that Importance of honey bees in agriculture, which are the main source of pollination and seed setting. Without honey bees we cannot imagine the agriculture activities. He also briefed the meaning and importance of bee keeping.

Dr. Mahantesh P.S., Scientist (Horticulture) welcomed every one for the programme, and Mrs. Geetha Kumari B N, Senior Technical Officer hosted the programme. Around 39 youths various taluks of Chitradurga have participated in the training programme.

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Participation in Coco Fest-2024 held at Lakshadweep

Contributors: 1) T J Ramesha, Senior Scientist and Head

The three days Coconut Festival, Coco Fest-2024 was jointly organised at Kavaratti, Lakshadweep from November 20-22 by Krishi Vigyan Kendra of Central Marine Fisheries Research Institute (CMFRI), Agricultural Technology Application Research Institute, Department of Agriculture, Lakshadweep administration



and KICPCoS Farmer Producer Organisation, Kavaratti. It featured a mix of local culture and technological innovation, with activities such as exhibitions, product show cases, entrepreneur meet ups, food festivals, farmer-scientist interactions, and traditional art performances. Unique events like coconut climbing contests and food recipe competitions added to the festive atmosphere. The fest was inaugurated by Dr. Udham Singh Gautam, Deputy Director General, ICAR-New Delhi.

The distinguished guests included Dr. Grinson George, Director, ICAR-CMFRI; Dr. V. Venkatasubramanian, Director, ICAR-Agricultural Technology Application Research Institute; Dr. K. B.

Hebbar, Director, ICAR-Central Plantation Crops Research Institute, Kerala; and Dr. J.



Dinakara Adiga, Director, ICAR-Directorate of Cashew Research, Puttur. Around 50 exhibitors including the stall representing ICAR-ATARI, Zone-11, research institutes, small scale industries, farmer producer representatives of farmer producer organisations and self help groups took part in the programme. Dr. T.J. Ramesha, Senior Scientist and Head, ICAR-Krishi Vigyan Kendra, Dakshina Kannada participated in the exhibition as well as delivered a talk on technological interventions undertaken by the district for replication in farmers' fields of Lakshadweep.

Coco Fest 2024 had a significant impact, raising awareness about the importance and versatility of coconuts. It empowered farmers with modern agricultural knowledge and provided them with a platform to market their products.

Participation in the Mathsya Mela-2024

Contributors: 1) Ravindragowda Patil (Scientist-Fisheries)

2) T J Ramesha, Senior Scientist and Head ICAR-KVK, Dakshina Kannada, Mangaluru participated in the Mathsya Mela-2024 organised by the Department of Fisheries, Government of Karnataka at Murudeshwar, Bhatkal Taluk, Uttara Kannada District from 21-23 November 2024. Deputy Chief Minister, Government of Karnataka, Shri D. K. Shivakumar inaugurated the Mela. The Minister of Fisheries, Shri Mankal Vaidya presided



Farm Mechanisation to reduce drudgery in Agriculture

Contributors: 1) Mallikarjuna L Scientist (Soil Science)

2) T J Ramesha Senior Scientist and Head

ICAR- Krishi Vigyan Kendra, Dakshina Kannada, in collaboration with NGO-Food Chain Campaign, Dakshina Kannada organized a work shop entitled



Farm Mechanisation in Agriculture' for the students of Sahyadri Engineering College, Mangaluru at its office premises on 26.11.2024. Senior Scientist and Head Dr. T. J. Ramesha presided over the function and briefed about role of youth in agriculture. Dr.Mallikarjuna L. Scientist (Soil Science) coordinated the programme and in his deliberation covered aspects about need of farm mechanization with recent advanced agricultural technologies and their possibilities for adoption in farm situation. Founder of Food Chain Campaign-Mr.YathishThukaram and Mr. Jason, staff of the Sahyadri Engineering College along with thirty two engineering students were participated in the programme.

over the function. The Director of Fisheries, Government of Karnataka, Dr. Dinesh Kaller, Director of Fisheries, delivered the introductory speech and welcomed the Guests. Dr.BasavarajAwati, Director of Extension, KVAFSU, Bidar, Dr. Anjaneyappa, the Dean of College of Fisheries, Dr.Somashekhar, Associate Director of Extension and many other dignitaries visited the stall. Dr.RavindragoudaPatil, Assistant Professor (Fisheries Science) participated as a resource scientist through putting up a stall in the Mela. A total of 15000 fisherfolk participated in the programme.



Follow up field visit to AWD paddy plots.

ICAR- Taralabalu Krishi Vigyan Kendra, Davanagere conducted the NICRA- Frontline demonstration on Alternative Wetting and Drying technology in Paddy Production at Halebathi,



Davanagere taluk Dr Kolekar D.V Nodal scientist, ATARI, Bangalore visited the FLD – AWD paddy plots at Halebathi and interacted with farmer on the technology. Mr Mallikarjuna B.O., SMS (Agronomy) interacted with the farmers and suggested the farmers to go harvesting of the paddy. Mr. Shankar murthy FLD farmer expressed that the crop will be harvested after 25 days, this technology I adapted has saved the water upto 30% as compared to the Conventional method. There is reduction in cost for the production upto Rupees 8000 to 10,000 per acre. Dr Avinsah T.G SMS (Plant Protection) also present during the visit.

(Mr Mallikarjuna B.O)
SMS (Agronomy)

Celebration of Field day of AWD paddy

ICAR- Taralabalu Krishi Vigyan Kendra, Davanagere conducted the NICRA- Frontline demonstration on Alternative Wetting and Drying technology in Paddy



Production at Halebathi, CHandranahalli and Belavanuru , Davangere taluk. Celebration of the field day at Halebathi in collaboration with department of Agriculture, Davangere. The program was inaugurated by Sri Sridahar murthy , ADA and expressed that farmers should go for mechnaised transapltng along with AWD technology to save water and labour cost. Mr Mallikarjuna B.O SMS (Agronomy) expressed that farmers should go with new technology and instead of selling the produce, go for value addition in paddy and sell directly to customers. Field visit to the paddy fields and farmers interacted on the technology and yielded 24 q/acre. The Dr Avinsah T.G and H.M Sannagowduru SMSs attended the program.

(Mr Mallikarjuna B.O)
SMS (Agronomy)

Celebration of Field Day of Onfarm Trial in Banana Crop

On farm trail on Assessment of Suitable Methods for Management of Thrips in Banana was conducted in Halekal Village of Jagalurutaluk. Three techno-

logies were assessed viz., TO₁ :Farmers Practice, TO₂ : TNAU, Coimbatore use of transparent Polythene sleeves 25 micron thickness containing 6% ventilation and TO₃ : ICAR-AICRP on fruits Gandevi, Gujarath bud injection of imidacloprid 17.8% SL @ 0.3 ml in 500 ml water @ 1 ml solution / bud.

On the Field Day Dr.Avinash T. G. SMS (Plant Protection) said that upon observations covering of Banana bunches immediately after opening the last hand

provided the good protection against Thrips as it is clearly indicated by Banana hands without spot/ rough marking on fruits and

good marketable quality of the fruit. Mr.Sannangoudra H. M. SMS (Soil Science) said that use of Banana special at 5 g/l after 5 months with the interval of 25 days will result in good bunch development. OFT beneficiary farmer Mr, Siddanna expressed satisfaction about banana bunch cover technology. Further, he said that due to bunch cover the produce fetches 3 rupees per kg. extra over non bunch covered fruits due to good quality. Eleven Banana growing farmers of the village were present during the Field Day.

Dr.Avinash T. G.
SMS (Plant Protection)



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Training programme on Importance of nutritional value of Red Rice in daily diet

ICAR KVK Dharwad conducted off campus training programme on Importance of nutritional value of Red Rice in daily diet for school children at



Government School, Benachi village of Alnavar taluk on 20.11.2024. Mrs. Vidya V Sangannavar, SMS (Home Science) briefed about the significance of nutrients in red rice and its Health benefits. Red rice rich in antioxidants helps from us from many diseases, iron, zinc boosts hemoglobin in blood, calcium helps to enrich the bones health, low glycemic index benefits diabetic people. As the red rice is full of nutrients it should be incorporated in daily diet to get benefited. Dr. Airadevi A Angadi, Scientist (Horticulture) explained about the importance of medicinal plants and health benefits of fruits and vegetables for healthy livelihood. Totally 32 students were participated in the programme and benefited.

Capacity Building training programme on Value addition of different crops

ICAR KVK Dharwad conducted on campus training programme on Capacity Building training programme on Value addition of different crops at KVK,



Dharwad in collaboration with ATMA, Department of Agriculture, Dharwad for women SHGs of Kundagol taluk of Dharwad district on 29.11.2024. Dr. D. N. Kambrekar, Senior Scientist and Head, KVK Dharwad briefed about the training programme. Value addition plays a major role in enhancing the value of different crops in turn improves the profitability of farmers and to empower the women through SHGs or individual. Mrs. Vidya V



Sangannavar, SMS (Home Science) explained the value addition for different crops by different processing techniques, followed by different packing methods, branding and labeling of products to gain the high profit. Dr. Praveen Guruji, Senior Technical Officer (Soil Science) explained about the benefits of soil and water testing for women.



From Street-side Fish Vendor to a Regional Brand: Transformation of an SHG with KVK's Guidance and Technology Support



In 2011, Shri. Sabu, a small fish vendor from Thammanam, Ernakulam, operated a modest streetside fish vending unit along Stadium Link Road in Kaloor, Ernakulam. Recognizing the health risks posed by illegal chemical preservatives commonly used in fish storage, he was committed to providing his customers with safe, high-quality fish. To achieve this, he purchased fish only from small boats returning to shore daily, avoiding long-stored stock common with larger boats. In addition, he sought assistance from the KVK to source fish from authentic fish farms along the Ernakulam coast. While his dedication to quality limited his growth due to higher prices, he maintained a daily turnover of around ₹25,000, selling approximately 100 kg of fish.

To expand his business, KVK advised him to form a Self-Help Group (SHG), formalize his operations, and secure the necessary licenses to elevate his fish vending venture. With KVK's support, he successfully established the

Kadappuram Fresh Fish Vitharana Sangham SHG, obtained the required licenses, and began a journey of growth.

To build a solid foundation, KVK organized hands-on training sessions for the SHG members, covering responsible fish vending practices, sourcing from verified suppliers, identifying fish adulteration, proper handling and storage, waste management, and quality control. Acknowledging KVK's technical support through a signboard at the shop, Kadappuram gained community trust, attracting customers who valued the high standards and were willing to pay a premium for safe, fresh fish.

During the COVID-19 lockdown, when movement restrictions challenged businesses, KVK again intervened with a strategic solution. The KVK provided a certificate to permit SHG members to move freely for fish sourcing and delivery,



allowing them to adopt a door-delivery model that expanded their customer base. KVK further promoted Kadappuram's initiatives through newspapers and radio, and suggested the SHG create WhatsApp groups for sharing fresh fish images and prices, which attracted even more customers.

Following the lockdown, the SHG continued its door-delivery service, hired dedicated delivery staff, and enhanced their vending unit with better lighting to attract walk-in customers. Introducing a billing system and modernizing the operation, the SHG experienced unprecedented growth. Today, Kadappuram has expanded its daily sales from 100 kg to 700 kg, with a turnover reaching ₹4 lakhs. Inspired by this success, the SHG launched an additional outlet featuring grilled fish and seafood delicacies, solidifying *Kadappuram* as a trusted brand in the region.

Through KVK's expert guidance and timely technological support, *Kadappuram Fresh Fish Vitharana Sangham* has evolved from a small operation into a flourishing enterprise, showcasing the transformative potential of innovation, community trust, and quality standards in the fisheries sector.

ICAR-KVK Ernakulam Expands Collaboration with Service Cooperative Banks in the District to Promote Sustainable Farming Ventures

As part of its ongoing partnership with service cooperative banks in

Ernakulam district, ICAR-KVK Ernakulam has extended technical guidance to the Korampadam Service Cooperative Bank to revive and promote scientific cage fish farming practices in Kadamakudy and Varapuzha. This initiative plays a crucial role in supporting farmers who suffered ₹6 crore in losses due to the massive fish kill during the May 2024 summer rains in the Periyar backwaters.

On November 25, 2024, the Bank distributed 50,000 fish seeds to 100 affected farmers as part of the recovery efforts. ICAR-KVK Ernakulam provided continuous technical support, with Dr. P.A. Vikas, SMS Fisheries, offering expert guidance on scientific measures to prevent future fish kills and ensure sustainable aquaculture practices.

The initiative was inaugurated by Kadamakudy Panchayath President Mary Vincent, who officially handed over the fish seeds to the farmers. This collaboration underscores ICAR-KVK Ernakulam's commitment to fostering sustainable farming systems and strengthening the resilience of local aquaculture through strategic partnerships with cooperative banks across the district.





PROVISION OF AGRICULTURE INPUTS AND TRAINING PROGRAMME FOR SC FARMERS AND RURAL YOUTH UNDER SCSP

ICAR K.H. Patil Krishi Vigyan Kendra, Gadag organised input distribution on 28-11-2024 and 2 days training programme on “Development of Horticulture Based Entrepreneurship for Livelihood Improvement of SC Farmers” from 28-11-2024 to 29-11-2024 for SC youth in association with ICAR-Directorate of Cashew Research (DCR), Puttur under Scheduled Caste Sub-Plan at KVK campus.

The programme was inaugurated by Dr. Dinakar Adiga, Director, ICAR-



DCR, Puttur. During his inaugural address he gave insight on the technologies developed by ICAR-DCR, Puttur. He highlighted the successful cultivation of Cashew crop in Gadag district and emphasized the self employment opportunities for farmers in processing and value addition of cashew apple and raw cashew nuts. The Chief Guest of the programme Dr. Manjesh G.N., Scientist (SPM&A), Nodal Officer for SCSP, ICAR-DCR, Puttur highlighted that the two-days training program would

help farmers to gain technical knowledge in horticultural entrepreneurship. He said about the provision of agricultural inputs like Battery operated knapsack sprayers, tarpaulins and vegetable seed kits, urging farmers to make use of these resources. Mr. Suresh Kumbar, Retired SADH, Gadag said that Cashew is an ideal crop for the dryland areas with red soils of Gadag district. He urged the youth to take up secondary agriculture and export of the horticulture produce for improving the livelihood.



The programme was chaired by Dr. Sudha V. Mankani, Senior Scientist and Head (I/c.), ICAR-K.H. Patil Krishi Vigyan Kendra, Hulkoti accentuated the successful cultivation of cashew crop in the KVK's instructional farm, setting a model orchard for the district. She emphasized the entrepreneurial opportunities in horticulture sector mainly nursery, processing, value addition etc. Further, she said that KVK has been organizing training programmes and distributing agricultural inputs to SC farmers in collaboration with the DCR, Puttur.

During training programme, technical sessions were conducted regarding horticulture crop production, value addition, opportunities for entrepreneurship development. As a part of training programme, field visits were organised to progressive farmers' fields at Suganahalli village of Shirahatti block in Gadag district.





Constitutional Day Celebration

ICAR-Krishi Vigyan Kendra, Hassan, observed Samvidhan Divas (Constitution Day) on November 26, 2024, at KVK, Kandali, Hassan. The event commenced with a warm welcome of the dignitaries by Dr. Sakamma, Farm Manager, KVK, Hassan. Dr. Pallavi N.,



Scientist (Horticulture), KVK Hassan, in her opening remarks, explained the significance of the day, marking the 75th anniversary of the adoption of India's Constitution. On November 26, 1949, the Indian Constituent Assembly formally adopted the Constitution, which came into effect on January 26, 1950, establishing India as a sovereign, democratic republic. In 2015, the Indian government officially declared November 26 as Constitution Day (Samvidhan Divas) to commemorate this historic event. Since then, the nation has celebrated this day each year.

Dr. Shivashankar M., Scientist (Home Science), KVK Hassan, who chaired the program, emphasized the visionary work of the framers of the Constitution, particularly Dr. B.R. Ambedkar. He praised their dedication to creating a document that protects the fundamental rights of all citizens, irrespective of their backgrounds. He further highlighted the enduring importance of the Constitution in shaping India's democratic identity and its ongoing relevance. Dr. Shivashankar also appreciated the Constituent Assembly's foresight in focusing on consensus and building India's future. He urged the



audience to honor both the Fundamental Rights and Duties, prioritizing national unity over political differences, and cautioned against putting creed above the nation.

The event concluded with the administration of the oath by Dr. Sakamma, Farm Manager, KVK Hassan, along with Dr. Arun Kumar B.R., Scientist (Soil Science) and Dr. Shrinivas Deshpande, scientist (Agricultural Engineering) in the presence of 53 participating farmers. The ceremony ended with the singing of the National Anthem.

Contributors:

- 1. Dr. Pallavi, N., Scientist (Horticulture)*
- 2. Dr. Rajegowda [Senior Scientist & Head]*



Field Day on Foxtail Millet Variety DHFt-109-3 for Higher Yield and Income

A successful Field Day was held on 20.11.2024 at Medleri, Ranebennur (Taluk), Haveri (District), to showcase the results of the front-line demonstration of the high-yielding foxtail millet variety DHFt-109-3. The event was organized by Dr. Siddagamma K. R., Subject Matter Specialist in Agronomy and Dr. Basamma Hadimani,



Subject Matter Specialist in Plant Protection at Krishi Vigyan Kendra, Haveri and was attended by a large number of local farmers eager to explore innovative methods for increasing millet production and improving their income. The demonstration, conducted during the Kharif season of 2024, highlighted the superior features of DHFt-109-3, a drought-tolerant, high-yielding variety designed to perform well under the variable climatic conditions of the region. The event not only educated farmers about the advantages of this improved variety but also provided insights into integrated pest management practices, making it a comprehensive learning experience.

Dr. Siddagamma K. R. opened the event by discussing the benefits of DHFt-109-3, which was developed specifically to withstand water stress and produce higher yields. She explained that

the variety is particularly suited for regions like Haveri, where unpredictable rainfall can affect crop productivity. With yields averaging 7 quintals per acre, the DHFt-109-3 variety showed a clear advantage over the local variety. The Field Day event featured interactive sessions where farmers were able to learn about the best agronomic practices of seed selection, soil preparation, sowing methods and optimal fertilizer use for growing DHFt-109-3. Farmers were particularly interested in the variety's short growing season of 95 days, which is ideal for the region's climate. Dr. Basamma Hadimani emphasized the importance of integrated pest management in minimizing pesticide use and maintaining ecological balance. Farmers who attended the Field Day shared their positive experiences with DHFt-109-3. Beneficiary farmer Chandrappa Sunagar commented, "I have seen the difference in growth between the local variety and DHFt-109-3. The plants are healthier and the yield has been much higher. I am excited to adopt this variety in my next season."

Following the success of the demonstration, Krishi Vigyan Kendra, Haveri, plans to extend this knowledge to more villages in the district through further training programs and awareness campaigns. The objective is to empower farmers with the skills and knowledge needed to adopt innovative agricultural practices and improve their livelihoods.

Field day on "Management of pink bollworm through novel mating disruptor in Bt-cotton"

ICAR-Krishi Vigyana Kendra, Haveri conducted field day on "management of pink bollworm through novel mating disruptor in Bt-cotton" at Savanur of Haveri District on 19.10.2024. The programme was inaugurated by Dr. B. D. Biradar, Director of Extension and Director of Research, UAS, Dharwad and briefed that management of pest and diseases through adoption of innovative non-

chemical technologies is an important approach sustainable income. Chief guest of the programme Dr. S. A. Gaddanakeri, ADE, UAS Dharwad encouraged farm women to adopt secondary agriculture components like sericulture, beekeeping, poultry farming and value addition of farm produce to get higher income and to become self-sustainable. Further Dr. S. S. Udikeri, Co-PI and Professor, UAS Dharwad explained about cotton pests and their management. Further, he narrated that the pink bollworm is re-emerging as an important pest in cotton. A novel technique called SPLAT (Specialized Pheromone and Lure Application Technology), which is best suited alternative to manage pink bollworm infestation. The mating disruptor sachet or packet should be tied to cotton shoots at 45-50 days after sowing.

It is a novel mating disruptor tool of sachet like of one time application instead of paste and creates the confusion among the male moth which are attracted towards tool. Further, male moth unable to mate with virgin female as the concentration of pheromone is many time more than the natural release, leads to generation gap.

Hence, it is an effective tool for management of pink boll worm in Bt-Cotton. Specialized Pheromone and Lure Application Technology (SPLAT) is one such wax-based formulation with slow and sustained release of pheromones (gossyplure) that disrupts mating of pink bollworm and thereby restricts the population buildup.

Dr. Guruprasad G. S., Senior Scientist and Head, ICAR-KVK Haver, in his introductory speech explained about positive impact of mating disruptor in nature and its role in enhancing farmer's income. In this programme the progressive farmers viz., Shri Shivalingappa Ganigere, Shri Rajanna Narayanapura and Shri Sadananda Gudigere were felicitated. The officials Sri Vijakumar Kunkur, Assistant Director of Agriculture, Dept. of Agriculture, Savanur, Dr. Prasanna P. M., Scientist (Entomology), Dr. Baramaraj Badiger, Assistant Professor (Seed Science and Technology) UAS, Dharwad were participated in the programme. A total of 95 farmers get benefited from this programme.





Empowering Spice Farmers with Quality Improvement Techniques

The ICAR-Krishi Vigyan Kendra (KVK), Idukki, in collaboration with the Spice Board, Idukki conducted a quality improvement training programme across Santhanpara, Chinnakanal, and Rajakkad Panchayats. The initiative aimed to enhance the quality and marketability of spices such as cardamom, black pepper, and nutmeg. Over 150 farmers participated, gaining insights into Good Agricultural Practices (GAP), Integrated Pest Management (IPM), and sustainable farming techniques. Experts from ICAR-KVK and the Spice Board conducted interactive sessions on soil health management, pest control, post-harvest handling, and value addition. The programme highlighted the importance of adopting modern agricultural practices to meet international quality standards. Farmers were also briefed on government schemes and financial assistance available to spice growers. The training has empowered participants with the knowledge and skills needed to improve crop quality and productivity, thereby enhancing their income and market prospects.



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Krishi Ratna Award to Kalaburagi Farmer at 16th Foundation Day of UAS, Raichur

University of Agricultural Sciences, Raichur celebrated 16th Foundation day on 22.11.2024 at Auditorium, University of Agricultural Sciences, Raichur Campus. The programme was inaugurated by Dr. Sundaresh Babu, IAS,



Secretary, KKRDB, Kalaburagi. Dr. M. Hanumanthappa, Honourable, Vice Chancellor, Dr. Shivashankar, N, Director of Extension, University of Agricultural Sciences, Raichur. In this occasion

Sri. Sidramappa S. Kore, Progressive farmer, Niragudi village Aland taluk and Kalaburagi dist. got university prestigious award 'Krishi Ratna-2024' Involved in Integrated Farming System since 15 years. His whole family members are working together in the farm and directly marketing farm produce. Now he is earning an income of nearly Rs. 30-35 lakhs per year. He was trained about Integrated Farming System programme at ICAR-Krishi Vigyan Kendra, Kalaburagi-I and he is also training

and motivating other farmers and rural youth in neighbouring villages. Many families in and outside the villages also visit and taking guidance in improved agriculture practices. He was awarded as Best Farmer award by University of Agricultural Sciences, Raichur during 2021-22. Also he awarded by many government institutions and NGOS as well as private institutions. In this programme all university key officers, teaching and non teaching staffs and farmers were participated.

Follow up field visit to the OFT and FLD plots by ICAR-KVK, Kalaburagi-I scientist

Follow up field visit to the OFT plots on Assessment of foliar nutrient management of groundnut through groundnut rich at Nalwar village of



Chittapur taluka on 27.11.2024. Dr. Shreenivas B. V., Scientist (Soil Science) interacted with farmers and suggested to go for application of Gypsum before sowing of Ground nut based on soil test result. Crop is at flowering stage spray ground nut rich



micronutrient mixture for more flower retention, improves pod filling, increase pod yield up to 15 per cent and also drought

tolerance also suggested irrigation through sprinkler will help in saving water. Dr. Umesh Bariker, Head, AEEC, Nalwar interacted with farmers and suggested to take information from the university and go for seed production of pulse crop varieties instead of selling the produce commercially in market. Farmers expressed their happiness over the performance of technologies introduced in the demonstrations and added that interventions like overcome by nutrient deficiencies, INM, IPM and spraying micronutrient mixture at flowering stage will definitely enhance the yield and income of the crop produce. Follow up field visit to the OFT plots on Assessment the performance of 'crop booster' in maize at Suntanur village of Aland taluka on 29.11.2024. Dr. Shreenivas

B. V., Scientist (Soil Science) interacted with farmers and suggested to spray Maize maximum micronutrient mixture 7.5 kg/ha spray twice @ tassel initiation and grain filling stages for overcome by nutrient deficiencies and better yield. Later follow-up field visit to FLD plots on Drought mitigation techniques in sorghum at Tadakal village of Aland taluka and interacted with farmers and suggested to go for application of fertilizers based on soil test results and follow the drought mitigation techniques like sowing of high yielding soil moisture stress tolerant variety SPV-2217, Seed hardening, micronutrient enrichment, application of RDF, Seed treatment with Azospirillum, VAM, PSB and spraying of KNO_3 at 30 and 60 DAS for drought resistant.



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CDP on Groundnut in CFLD cluster village

On November 25, 2024 scientists from ICAR, KVK, Kalaburagi-II (Raddewadgi) along with extension education unit Nalwar jointly organized CDP on groundnut in CFLD cluster village Hannikera, Chithapur Taluka. The programme was anchored and warmly welcomed the esteemed guests and farmers



to the event by Dr. Chandrakant (Scientist, Soil Science). In the inaugural session, Dr. Vasudev Naik, (Senior Scientist and Head), in their presidential remarks provided insights into the use and selection of different varieties in groundnut for higher returns for the locality. Dr. Chethan, T. (Scientist, Horticulture) explained the importance of pheromone traps in integrated pest management in groundnut. Later onwards, Dr. Umesh Barikar (Extension Leader AEEC, Nalwar) briefly explained soil and water conservation technologies can be adopted in the groundnut production for increased yield. Dr. Chandrakant (Scientist, Soil Science) provided integrated nutrient management in groundnut. Approximately 82 farmers participated in this off-campus capacity-building program, gaining valuable knowledge and supplied the INM inputs under NMOOP CFLD programme to enhance their agricultural productivity.

Field day on Chilli

On November 29, 2024 ICAR, KVK, Kalaburagi-II (Raddewadgi) in collaboration with Extension education unit Nalwar organized a field day and CDP on improved production technologies in Chilli at Ladlapura village of Chithapur Taluka. Dr. Chandrakant (Scientist, Soil Science) warmly welcomed the esteemed guests and farmers to the event.

During the event, Dr. Umesh Barikar (Extension Leader AEEC, Nalwar) briefly explained the importance of demonstrated chilli variety Arka Tanvi and it's prominent characteristics and also water management in the crop. After that, Dr. Chandrakant (Scientist, Soil Science) briefly explained the importance of soil test and integrated nutrient management in Chilli.

Later, Dr. Chethan, T. (Scientist, Horticulture), briefly explained the integrated management of pest and diseases chilli at different stages in chilli. Sri. Jaisingh Jadhav, progressive farmer happily expressed KVK's significant contributions to the farming community in in the locality in his words. This was Benefitted by about 62 farmers.



Sr. Scientist & Head
ICAR-KVK, Kalaburagi-II
(Raddewadgi)



Sowing the Seeds of Knowledge: BSc Students Visit KVK

First year BSc students of CoA Padannakkad visited KVK Kannur on 26th and 27th November as part of "Deeksharambh" programme. The team was led by Dr. Anoop, Assistant Professor (Agricultural Extension), CoA Padannakkad. Dr. Jayaraj P., Programme Coordinator, KVK Kannur addressed students and elaborated on the present agricultural scenario in Kerala and



mandates of KVK system. Dr. Elizabeth Joseph, Assistant Professor (Community Science) gave a session on facilities and activities related to processing and value addition in KVK. Dr. Manju K. P. Assistant Professor (Entomology) gave an orientation on activities related to plant protection, facilities for biocontrol agent production etc. in KVK, Dr. Parvathy A, Assistant Professor (Agricultural Extension) led a discussion on extension activities of KVK. Smt. Shahanas K. M. P., Farm Superintendent, KVK took the students to various production and demonstration units of KVK.

Students shared their experiences with farmers and their expectations about the course. The "Deeksharambh" programme at KVK Kannur proved to be a valuable experience for the first-year BSc

students of CoA Padannakkad. Through interactive sessions and hands-on exposure,



the students gained insight into the extension system and practical applications of agricultural science in the field. The programme's emphasis on extension activities and convergence between agricultural stakeholders broadened the students' understanding of the agricultural



landscape in Kerala. Such initiatives are essential for first-year students, as they provide a foundational understanding of the subject matter, foster curiosity, and inspire enthusiasm for future learning. By bridging the gap between theoretical knowledge and practical experience, programmes like "Deeksharambh" empower students to become more informed, engaged, and motivated agricultural professionals.

Curiosity Blooms: UKG students explore KVK

A group of 22 enthusiastic UKG students from Mellontik Montessori House of Children visited the Krishi Vigyan Kendra (KVK) in Kannur. Accompanied by their Principal, Smt. Yasmine K. E., the students embarked on an educational and engaging trip. Upon arrival, Dr. Parvathy A., Assistant Professor (Agricultural Extension) provided the students with a comprehensive orientation to KVK and its

S E M I T I V E K V K



unit, where they gained hands-on experience and insight into the latest agricultural practices.

Students shared the experiences of farmer's club in the school. To commemorate the visit, the students were distributed with seedlings of vegetables, encouraging them to nurture their interest in agriculture and gardening. The visit aimed to foster a deeper understanding and appreciation of agriculture among the young minds. By exposing them to innovative farming techniques and practices, KVK Kannur hopes to inspire the next generation of agricultural enthusiasts and leaders.

various activities. The students then visited the nursery unit and bioagents production





Flag-off Ceremony: Export of Honey from Tulunadu Ecogreen FPC, Kasaragod

The Tulunadu Ecogreen Farmers Producer Company Ltd at Pallathinkal, Kasaragod, is an FPO mentored by ICAR-KVK, Kasaragod established during 2016 with the financial support of NABARD. The company is engaged in the agglomeration and value addition of the various agricultural commodities like honey, coconut, spices etc. The company has established facilities for value addition in its factory at Pallathinkal, Munnad. The company completed all licencing formalities for export of honey during 2024. The first export consignment

consisting of 360 kg honey was flagged off to Qatar by Shri. K. Inbasekar IAS on 19th November 2024. Shri Philip Thomas, Director, Tulunadu Ecogreen FPC welcomed the gathering. Smt. Annamma Jose Managing Director, briefed about the programme that this is a new milestone for FPC and will benefit the district's apiculture farmers getting a better price and market for their produce. She informed that the FPC has 1500 registered farmers and also explained the various requirements and licensing procedures that the company has obtained for export of honey. The meeting was presided by Smt. Dhanya M, President, Bedaduka Grama Panchayat. Special address was offered by Dr. K. Muralidharan, Principal Scientist, CPCRI Kasaragod. The representatives from ATMA, Dept. of Agriculture, DIC, APEDA and KVK, Kasaragod also participated in the programme. Shri George Kutty, Director, Tulunadu Ecogreen FPC delivered the vote of thanks. The programme was attended by around 60 registered members of FPC and local farmers.





Training programme of Mushroom processing and value addition at ICAR-KVK Kodagu

ICAR-KVK Gonikoppal, Kodagu conducted a lecture and demonstration as part of the ASCI Mushroom Grower programme, focusing on the topic “Mushroom processing and value addition” On November 18th 2024. The lecture covered the nutritional, health, and therapeutic benefits of mushrooms, various processing methods such as canning, drying, and pickling, along with value-added recipes. The participants were also asked to share their own mushroom recipes. The session also highlighted entrepreneurial opportunities in mushroom value addition. A question-and-answer session addressed any doubts from participants. The post-lunch session focused on demonstration of mushroom-based recipes, including soup and cutlet. During the demonstration session, participants were introduced to sensory evaluation techniques, and its use to standardize any recipe formulations.





Millets and forgotten food recipe contest at KVK Kolar on 22.11.2024. Smt. Mangala, Additional Deputy Commissioner, Shivakumar, Deputy Secretary, Zilla Panchayat, Smt. Suma M, Joint Director of Agriculture, Dr. Shivanand V. Hongal, SS&H, Kumarswamy, DDH, Srinivas, DDS, Smt. Bhavyarani, DDA, KVK Scientists and line department officials were witnessed the event. A total of 48 contestants from Kolar district participated in the contest and displayed their millet-based food recipes.

Pashu Sakhi Module-2

ICAR-KVK Kolar convened six-day residential training program on 'Pashu Sakhi' Module-2 in collaboration with Veterinary Dept, ZP, Kolar at KVK premises from 18.11.2024 to 23.11.2024. Dr. G.T. Ramaiah, Deputy Director,

Veterinary Dept, Kolar inaugurated the programme. Dr. Sudharshan, Superintendent, Sheep and Wool



Corporation, Kolar, Dr. Lakshmi, Veterinary Officer, Siddanahalli, Bangarpet taluk and Dr. S. Viswanath, Chief veterinary officer, polyclinic, kolar

served as a resource persons. Dr. Manjunatha Reddy, T.B., Scientist (Plant Protection) presided over the valedictory function. Dr Shashidhar K R., Scientist



(Sericulture), KVK, Kolar coordinated the program. Distributed training certificates to 29 trainees who successfully completed Module-2 at KVK Kolar.

Capacity building program cum distribution of improved vegetable seedlings

ICAR- KVK, Kolar organised capacity building program cum distribution



of improved vegetable seedlings viz., curry leaf (Suvasini) and drumstick (Bhagya) seedlings of 10 each to 100 SC farmers under SCSP project at Mudavatti and Dandiganahalli villages of Kolar taluk on 25.11.2024. Dr. Manjuntha Reddy T.B, Scientist (Plant Protection) and Dr. Shashidhar K.R, Scientist (Sericulture) addressed the gathering on Improved cultivation practices, plant protection, nutritional values and marketing of curry leaf and drumstick. Around 100 farmers participated and benefitted from the programme.



Demonstration of Disease-Free Ginger Seed Production Using Micro Rhizomes and IDM at Multiple Locations.

Ginger is a highly valued spice crop known for its culinary, medicinal, and industrial applications. However, its production is hampered by various biotic stresses, with PSR and bacterial wilt being the most critical. PSR, caused by *Pythium* species, leads to severe rhizome decay, reducing marketable yield, while bacterial wilt results in sudden plant wilting and death, often during peak growth stages. Traditional propagation methods involving rhizomes often serve as reservoirs for these pathogens, perpetuating the disease cycle. This necessitates the use of disease-free planting material and the adoption of effective IDM strategies. Micro rhizome technology offers a promising solution, providing pathogen-free planting material. This project aimed to demonstrate the practical benefits of micro rhizomes and IDM in addressing disease challenges and improving ginger productivity. The multiple location trial helps to enhance awareness among farmers regarding sustainable ginger cultivation techniques.

The project entitled “Demonstration of Disease-Free Ginger Seed Production Using Micro Rhizomes and IDM at Multiple Locations” is a DASD sponsored MIDH NHM project. It is implemented through Kerala Agricultural University at Krishi Vigyan Kendra Kollam, across five selected farmer fields.

These locations were chosen based on the farmer's history of ginger cultivation and disease prevalence. The selected farmers were given planting materials of two ginger varieties viz. Athira (Provided as disease-free micro rhizomes) and Varadha (conventional rhizomes). The micro rhizomes of Athira were produced in a controlled polyhouse, ensuring the absence of pathogens. Varadha rhizomes were sourced from local markets, adhering to standard agricultural practices. The crop were raised as per the scientific package and practices recommended in the project with special reference to Integrated Disease Management Practices Which includes Soil solarization using transparent polythene sheets for 4 weeks to reduce soil-borne pathogens. Seed treatment with *Trichoderma reesei* and *Pseudomonas fluorescens* to reduce pathogen load and recommended cultural practices with drainage and organic manure application were ensured to promote plant health. Drenching of Calcium Chloride were practiced at basal, 30, 45, 60 & 90 days after planting. Nutrient for ginger were applied during basal, 30, 45, 60 & 90 Days after planting as per Kerala Agricultural university's recommendations.

Farmers reported greater satisfaction with Athira due to better plant vigor, reduced disease occurrence, and higher yields. The practical application of IDM practices was also well received, highlighting their role in sustainable disease management. IDM practices, particularly seed treatment, soil solarization and drenching of calcium chloride were instrumental in reducing the pathogen load in the field. The combined use of biocontrol agents, cultural practices, and chemical interventions provided holistic disease management, ensuring healthier crops to achieve higher yields.



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Field day on Demonstration of popular marigold hybrid Arka Abhi for higher productivity

The FLD on Demonstration of popular marigold hybrid Arka Abhi for higher productivity was carried out in 5 farmers fields in Nelajeri village of Koppal district where the most of the farmers practise flower cultivation. The farmers were distributed with 250 g of Arka Abhi

marigold hybrid seeds. Arka Abhi is a F1 hybrid with 10-11 tons/acre yielding with 6 days of shelf life and market acceptable colour of yellow. On 19.11.2024 the field day was conducted in Nelajeri village with 23 farmers. KVK scientists explained the importance of Arka Abhi marigold hybrid in terms of its yield and flower shelf life. Along with this plant protection measures was also explained to the farmers.





Visit to progressive farmer's field by KVK-NABARD team

KVK Kottayam organized a field visit including the state and district level officials of NABARD on 18.11.2024. NABARD state chief and 21 district level officers participated in the visit. Progressive farmers were provided with an opportunity to establish a linkage with NABARD. Team visited six fields of progressive farmers including IFS plots and model vegetable plots.



Visit to progressive farmer's field by KVK-NABARD team

DAESI Course New Batch Inauguration

The inaugural ceremony for the Diploma in Agricultural Extension Services for Input Dealers (DAESI) program 2024 batch and the certificate distribution for the 2023 batch was conducted on 27th November 2024 in collaboration with ATMA, Kottayam. The event was inaugurated by Mr. John V Samuel, IAS, District Collector of Kottayam, who also distributed certificates to the 2023 batch graduates. Dr. Jayalekshmi G, Senior Scientist and Head, delivered the presidential address, underlining the importance of equipping input dealers with agricultural extension expertise. Mr. Abraham Sebastian, PD ATMA, Kottayam, presented a detailed overview of the DAESI programme, emphasizing its objectives. Mr. Joe Jose, Principal Agriculture Officer, Kottayam, highlighted the importance of partnerships in promoting agricultural development.



DAESI Course New Batch Inauguration by Mr. John V Samuel, IAS, District Collector

Training Under SCSP programme

KVK Kottayam organized a farmer training on 19.11.2024 under SCSP programme on fish farming and value addition in fish. Scientific practices in backwater fish farming and pond clearing were dealt in the programme. A separate session on processing and value addition in fish was also conducted by home science department. Twenty three SC farmers from the district participated in the programme.

Training for nature club members on



Training Under SCSP programme

scientific vegetable cultivation

KVK Kottayam organized a farmer training on 21.11.2024 for the farmer members of Kumarakom nature club. Scientific cultivation practices & nursery management of vegetable crops were handled in the session. Fifty one farmers participated in the programme. Farmers were provided with quality planting materials of vegetable crops.





World fisheries day celebrated

The World Fisheries Day was celebrated by KVK on 21st November 2024. The day is celebrated throughout the world to **demonstrate solidarity with all fishers, fish farmers and other stakeholders** in fisheries sector and to improve their livelihood. The programme was inaugurated by Dr. P RathaKrishnan, Principal scientist and Head KVK. He urged the farmers to work towards the sustainable development of the sector and conserve fisheries resources. A training programme on “breeding and culture of freshwater ornamental fishes” was organized at KVK premises. The class was led by Dr. Pradeep B, Subject Matter Specialist (Fisheries), KVK. The participants gained hands-on experience on fish breeding, culture, live feed culture, and disease management of fishes. Thirty one rural youth from Kozhikode and Malappuram district participated in the programme.



Science incubator day organized

A Science Incubator day was organized at KVK in collaboration with science club of West AUP School, Perambra on 28.11.2024. It is an educational event where students actively participate in hands-on science experiments, learn new technologies and interact with scientists. As part of this programme, Dr.P. Ratha Krishnan delivered an interactive lecture on

“Advances in Agricultural sciences” with live demonstrations. This was followed by practical sessions in plant propagation



techniques by Dr.P. S. Manoj, SMS (Horticulture). A total of 35 persons including students and teachers attended the programme.

Capacity development programmes on Oyster mushroom production technology

An interactive one day training was arranged on Oyster mushroom production technology as a Skill development programme on at KVK for 36 farmers including 25 males and 11 female participants. The trainees had hands-on practical skill development sessions on media preparation, sterilization etc. The programme was led by Dr.K.M.Prakash, SMS (Agronomy).

Another off campus one day Capacity development programme on Oystermushroom cultivation was arranged for scouts and guides units of St. Thomas Higher Secondary School, Kattippara benefitting 83 students. The programme was led by Dr.K.M.Prakash, SMS (Agronomy).





KVK Lakshadweep of ICAR-CMFRI hosts Coco Fest-2024 with a fusion of tradition and innovation

A massive turnout was witnessed at the three-day coconut festival, Coco Fest 2024 held in Kavaratti, Lakshadweep from November 20-22 November 2024 with thousands of Islanders flocking to the event with a festive spirit. The event turned into a blend of local tradition with technological innovation with a grand celebration of the region's rich coconut heritage.

The coconut festival was organised jointly by KVK- Lakshadweep, ICAR-CMFRI, ICAR-ATARI, Bangalore, Department of



Agriculture, UTLA and KICPCOS- the Farmer Producer Organisation, Kavaratti. It aimed to reinforce coconut as the lifeline of Islanders in local livelihoods and traditions by bringing together all the stakeholders under one roof. The festival was designed as a fusion of symbolising culture, art and technology - all centred

around coconut, featuring a diverse range of activities from technological exhibitions and value-added product showcases to entrepreneur meets, food fests, farmer-scientist interfaces and traditional art performances. Unique events like coconut climbing contests and food recipe competitions, combined with traditional art and music performances, made the festival a popular attraction.

The Coco Fest was inaugurated by Dr Udham Singh Gautam, Deputy Director General (Agricultural Extension) of Indian Council of Agricultural Research (ICAR), New Delhi, in the presence of Dr. Grinson George, Director of ICAR-CMFRI, Dr V Venkatasubramanian, Director of ICAR-ATARI, Dr K B Hebbar, Director of ICAR-CPCRI, Dr J Dinakara Adiga, Director of ICAR-DCR and Dr P N Ananth, Head of KVK Lakshadweep. Inaugurating the fest, Dr Udham Singh Gautam indicated to work on safeguarding the coconut trees and introducing innovations to increase production and productivity. The impact of the festival was far-reaching. Coco Fest-2024 significantly increased awareness about the coconut's importance and its versatile applications, empowering farmers with knowledge of modern agricultural practices and providing them a platform to market their products. The event also gave a much-needed economic boost, attracting numerous visitors and generating business opportunities for local vendors and exhibitors, thereby supporting the tourism industry. Additionally, the festival served as a cultural bridge, promoting cultural exchange and highlighting Lakshadweep's rich traditions on a larger stage. A special session was held at the fest on 21 November in observance of the World Fisheries Day. Dr. P. N. Ananth, Organising Secretary of the festival and Head of KVK-Lakshadweep coordinated the Coco Fest-2024.





Honouring Ceremony of State Farmer Award Winners and Inauguration of SCSP Training Programme at KVK Malappuram

KVK Malappuram hosted a significant event On November 28, 2024, to honour state farmer award winners and inaugurate the Scheduled Caste Sub Plan (SCSP) training program on Value addition of Vegetables. Dr. Priya G. Nair, Programme Coordinator of KVK, welcomed the attendees, emphasizing the importance of such gatherings for fostering agricultural excellence and community engagement. The chief guest, Dr. V. Venketasubramanian, Director of ATARI Bengaluru, delivered an inspiring address. He highlighted the role of agriculture and agri-entrepreneurship in empowering farmers and inaugurated the SCSP training program. The event honoured state-level farmer awardees for their outstanding contributions in agriculture for 2023-24. Notable recipients included Smt.Sushama P.T for the Kerakesari award, Abdul Muneer C.P for excellence in homestead fish farming, and the Paithrika Karshaka Sangham of Eravaramkunnu for being the best farming group in the production sector. The winner of the KVK Times cover page design contest, Ms. Fathima Minha and a state-level HSS science fair prize winner,



Muhammed Adnan Tharayil were also felicitated. The resource person of the training programme Dr. P. B. Pushpalatha, former Registrar, Kerala Agricultural University was honoured by the chief guest.

Inauguration of various new additions at KVK Malappuram and release of Publications

Dr. V. Venketasubramanian, Director of ATARI Bengaluru has inaugurated the selfie point, unipole board, food processing lab cum custom hiring unit. He has also visited the natural farming unit, various bio-inputs units and other labs of KVK Malappuram. During the ceremony, several KVK publications were released, including the 31st issue of the "KVK Times," a textbook on animal science named "Effect of thermal stress in animal reproduction authored by Dr. C. Ibraheemkutty, and informative leaflets on scientific cultivation of bitter melon and ash gourd. These publications aim to disseminate valuable knowledge to farmers and other stakeholders. Certificates were distributed to participants who had completed a short course on "Bovine Infertility - Causes and Correction,"



reflecting KVK's commitment to addressing practical challenges in farming.

Training Programme on Vegetable Processing and Value Addition

Two-day training programme on Vegetable Processing and Value Addition was conducted on 28th and 29th November 2024 by KVK Malappuram in collaboration with Edappal Krishibhavan (ATMA) under the SCSP programme, with 30 participants. The sessions were handled by Dr. P.B. Pushapalatha, Retired Professor, Kerala Agricultural University (KAU), and coordinated by Dr. Lilia Baby, Assistant Professor (Community Science). The training focused on techniques for minimal processing of vegetables to retain freshness and extend shelf life, along with the preparation of value-added products such as soup powder, kondattoms, sauce, candy,

pickle, squash and jam, highlighting hygiene, food safety, and market potential. Participants were given practical exposure to the processes, enabling them to enhance their skills and explore entrepreneurial opportunities. The programme was well-received, with participants appreciating the hands-on sessions and expressing their intent to utilize the training for livelihood improvement.



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Field day on 'Integrated pest and disease management in paddy'

ICAR-KVK, V.C.Farm, Mandya organized Field day on 'Integrated pest and disease management in paddy' on 29.11.2024 at adoptive village B.Hullukere, Mandya taluk. Dr.Pavithra.S, Scientist (Plant Protection) highlighted about blast resistance paddy variety RNR-15048 released from V.C.Farm, Mandya. The variety having fine grained short duration with a low glysemic index. She explained about integrated pest and disease management practices followed to reduced pest and disease in paddy to get higher yield. Sri. Boregowda, Progressive Farmer opined that variety RNR-15048 came to maturity early compared to other variety with low pest and disease incidence. This reduced the cost of cultivation incurred on pest management practices. He also expressed that from next season onwards all farmers should take the advice and guidance from Scientist of Krishi Vigyan Kendra for cultivation of paddy. 47 farmers and farm women participated.





Residential Certificate Course on Organic Farming

21 Days Residential Certificate Course on Organic Farming has been organized at ICAR JSS Krishi Vigyan Kendra, Suttur Mysuru during 15.11.2024 to 05.12.2024. The programme was inaugurated on 15.11.2024 by Dr.Sarbeswar Kar, Principal JSS Ayurvedic Medical College, Mysuru. Shri B. Sivashankar, Chief Executive Officer, SJCE-STEP and Dr. R. S. H. Srivathsa, Assistant Director, Regional Centre for Regional Centre for Organic and Natural Farming, Bengaluru were the chief guests. Dr.B.N. Gnanesh Senior Scientist and Head was presided over the function. 30 farmers were participating the programme.



Drone Training programme

The Drone training programme was organised at ICAR JSS Krishi Vigyan Kendra, Suttur, Mysuru during 06-21 November 2024 in collaboration with Multiplex Drone Pvt Ltd, Bengaluru and Social Welfare Department, Government of Karnataka. 30 Rural youth were participated in the programme. During the programme participants have learnt the awareness about the technologies in drone and flying practices. The participants will get the DGCA-certified Remote Pilot Certificate with 10 years validity.



Banana Mela (Festival)

The 3-day Banana Mela has been organized in collaboration with Sahaja Samrudha and Akshaya Kalpa Organics at Mysuru during 22-25 November 2024. More than 140 varieties of Banana have been show caused. Film Director Sumana Kittur, who inaugurated the Banana Mela, Sri. Manjunatha Angadi Deputy Director of Horticulture, Mysuru presided over the function. Interaction programme with progressive farmers, Food competition in Banana recipes. More than 3000 farmers were participated in the event.



Tractor Maintenance Workshop

One-day training program on daily maintenance and minor repairs of agricultural machinery was organized at ICAR JSS Krishi Vigyan Kendra, Suttur in collaboration with Institute of Agricultural Technologists, Mysore Chapter, Department of Agriculture, Mysuru, VST Tillers and Trackers, Bangalore and SLNTech, Mysore. During the training programme on 26.11.2024. More than 70 farmers participated in the programme, gaining knowledge about minor repairs and got service their equipment's.

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Skill Development programme certificate distribution programme

ICAR JSS Krishi Vigyan Kendra organized the skill development certificate distribution programme on 26.11.2024 of Skill development programmes viz., Gardener and Seed Grower RPL (Recognition of Prior Learning). The Principal Scientist, ICAR ATARI, Bengaluru and Nodal officer Dr. M. J Chandregowda and Dr. Babulad, Ex-Dean, Head of Organic Centre, UAS, Dharwad, Dr. B.N. Gnanesh, Senior Scientist and

Head presided over the function. Dr. M.J. Chandregowda interacted with the participants about the training programme and got the consent about their plans.

Field visit

Field visit of has been organized for FLD- Seed production in Horsegram var CRHG-19 at Haratale village Nanjangudu taluk. The Principal Scientist, ICAR ATARI, Bengaluru and Nodal officer Dr. M. J.Chandregowda and Smt. H.V. Divya SMS (Seed Technology) were in the visit.

Senior Scientist and Head





The Front Line Demonstration –“Ksheeramin”Distribution

The Frontline Demonstration Programme in Animal Husbandry of KVK Palakkad 2024-25 was initiated at Mannur Panchayath of Palakkad district to support Scheduled Caste (SC) dairy farmers in enhancing milk production and around 17 SC Dairy farmers benefitted from this program. The program introduced "Ksheeramin," a specially formulated mineral mixture by Kerala Veterinary & Animal Science University aimed at improving the health and productivity of

Celebration of Jan Jatiya Gaurav Diwas

KVK Palakkad celebrated Jan Jatiya Gaurav Divas with a program focused on supporting tribal farmers and encouraging agripreneurship. The event brought together members of ATFARM FPO, a tribal farmers' group from Attappady, along with tribal farmers, agripreneurs, and agricultural officers. Interactive sessions were held to discuss challenges and opportunities and to plan ways to help tribal farmers connect with agripreneurs in the district. To promote entrepreneurship, expert sessions were



dairy cows. By addressing nutritional deficiencies, the initiative helped boost milk yield and quality, contributing to better livelihoods for the participating farmers. This effort underscores the importance of targeted interventions for empowering marginalized communities in the dairy sector.

Training on Banana Value Addition

A two-day training program on banana value-added products was successfully



organized, including a class on GST by Jinub Jacob, Assistant Inspector, GST Vigilance, Palakkad; a session on food safety rules by Hema R., Food Safety Officer, Chittur Circle; and a class on packaging and labeling by Dr. Lakshmy P.S., Assistant Professor, KVK Palakkad. These sessions helped farmers understand important topics like tax rules, food safety, and product marketing. The program also created networking opportunities and provided useful knowledge to help tribal farmers grow their businesses, making it a meaningful step towards improving their livelihoods.



conducted at KVK Palakkad. The training was organized as part of the entrepreneurship development program in bananas, the initiative aimed to equip selected agripreneurs with advanced skills in banana processing. On the first day, the participants attended theoretical sessions

on banana processing, packaging, and labeling, delivered by Dr. Lakshmy P.S., Assistant Professor at KVK Palakkad. The



second day featured hands-on training led by Mrs. Megha Joshy, an expert in banana processing from the Banana Research Station. The training covered the preparation of diverse banana-based products, including items derived from ripe and raw bananas, rhizomes, and stems. Additionally, baked products such as cakes and cookies were demonstrated. The training was well-received and deemed highly useful, empowering agripreneurs with practical knowledge to create innovative banana products and enhance their entrepreneurial venture.

FLD on Integrated Weed Management in Paddy

Input distribution and spraying of post-emergent herbicide was done at



farmers' field at Pattiththara panchayath as part of Front Line Demonstration on integrated weed management in paddy. Mr. Arun Thazhath (SMS – Agronomy, KVK Palakkad) visited the fields and monitored the progress of the demonstration. Significant reduction in weed population was observed in treated plots compared to control plots.



Jan Jatiya Gaurav Diwas 2024

As part of Tribal Sub Plan (TSP) 2024-25, a Soil Health Campaign was held on 22nd November 2024, among tribal farmers of Kurumbanmoozhy and Manakkayam colony in Naranamoozhy grama panchayat of Ranni block in Pathanamthitta district. This initiative aimed to raise awareness about sustainable farming practices and soil health coinciding with the celebration of Jan Jatiya Gaurav Diwas 2024. The event focused on educating the tribal farming community about the importance of soil sample analysis for improving agricultural productivity and promoting eco-friendly farming techniques. The Soil Health Campaign was inaugurated by Smt. Mini Domenic, Ward Member, Naranamoozhy grama panchayat. The programme was conducted among the tribal people with the help of tribal community promoters and local people to popularize the concept of soil test based nutrient management. The campaign emphasised the significance of soil test based nutrient and fertilizer application to minimise the use of chemicals to improve soil health and to sustain soil microbes. In addition to this, a method demonstration on soil sample collection from the field was also conducted to create awareness about the topic. It was an effort to empower the local farmers with knowledge and tools that can contribute to their livelihood and environmental conservation.



ICAR KRISHI VIGYAN KENDRA PALAKKAD



Exposure visit of kali fpo members from uttar kannada to KVK pathanamthitta

Kali FPO members (Promoted by KVK, Uttar Kannada) participated in an insightful exposure visit to KVK Pathanamthitta from November 27-28, 2024, where they learned about innovative value-added products made exclusively from tapioca. The demonstration highlighted the various post-harvest technologies, minimal processing techniques, and both primary and secondary processed products that can enhance tapioca's market value.

The visit showcased an array of tapioca-based products, including tapioca chips, flour, ready-to-eat snacks, frozen products, and dehydrated items (dehydrated products (*Vellu Kappa*, *Vattu Kappa*), tapioca paste with starch, tapioca noodles with flour, Frozen sliced tapioca, RTC frozen tapioca, Tapioca flakes, Tapioca diamond, Steamed tapioca chips and Plain chips) Participants were introduced to the development of secondary processed products, such as tapioca-based bakery items and instant mixes. Additionally, the importance of waste recycling in the tapioca processing chain was emphasized, illustrating how byproducts can be transformed into useful items, reducing waste and increasing profitability. These value-added products not only provide farmers with better income opportunities but also promote sustainable agricultural practices. The exposure visit allowed farmers and scientists to exchange valuable knowledge on diversifying farm income through innovative tapioca-based solutions.





Capacity Building Training Programme on ICAR-IIHR Technologies.

ICAR-Krishi Vigyan Kendra, Raichur Conducted Capacity building training programme on ICAR- IIHR Technologies entitled “Disseminating the ICAR-IIHR technologies & distributing input under TSP programme for tribal farmers”. The programme started with inauguration by hon'ble Director of Extension, UAS, Raichur Dr. Sivashankar. N., who in his inaugurates address, encouraged the farmers to adopt new technologies to improve their Socio-economic status. Further, IIHR,

Bengaluru, Scientist Dr. Devindrappa, Dr. Chethan Kumar, Dr. Sandeep Kumar G.M, Senior Scientists, Division of crop protection & natural resources, spoke to the beneficiary farmers regarding the programme Dr. Hemalatha K.J, Scientist (Horticulture), ICAR-KVK, Raichur in her lecture on “ Adoption of new technologies for sustainable agriculture “explained about the advantages of inculcating new technologies in the farming to improve livelihoods Dr. Shreevani G.H, Scientist (entomology), ICAR KVK, Raichur addressed the beneficiary farmers regarding integrated pest & disease management in horticultural crops in order to minimize cost of cultivation & thereby increasing there farmers income Dr. Veena .T, Scientist (PFE), ICAR-KVK, Raichur spoke about value addition in horticulture crops. The programme was hosted by Dr. Umesh,B.S, Young professional, ICAR-KVK Raichur & around to beneficiary farmers participated in the same.





ICAR-KVK Ramanagara organised Animal Health Camp at adopted village Hakkinalu, Magadi (T)

Dr. Sowjanya, S., Scientist (Agricultural Extension) ICAR-KVK Ramanagara

ICAR-KVK, Ramanagara in collaboration with Department of Animal Husbandry and veterinary Science, Magadi (t) and BAMUL, Magadi camp and Solur camp organised animal health camp on 30.11.2024 at Hakkinalu Village under UAS, Bangalore adopted village programme. Dr. Sowjanya, S., Scientist (Agricultural Extension) briefed about the importance of organizing animal health camp and highlighted about the improved varieties of fodder crops like PBN-342, BNH-10, BH-18, DHN-6, CO-5, Super napier, Guinea grass, Seteria, Tripsacum, Rhodes, Paragrass, Signal grass Lucerne, hedge lucerne, multicut fodder Sorghum (COFS-31), Subabul (Wondergraze),

Chaya and said that all the fodder seeds, root slips and cuttings were made available in the KVK sales unit and farmers can avail these fodder inputs from KVK. And also explained about the importance of Azolla as a supplementary green fodder for dairy cattle. Dr. Jyothi, Veterinary Doctor, Department of Animal Husbandry and veterinary Science, Solur Hobli vaccinated the Cattles, Sheep and Goats with vitamins, deworming, FMD, Mastitis, Lumpy disease, Poultry pox etc. and diagnosed the health condition of pregnant cattles. During the camp Dr. Jagadish, Retd. Branch Manager and Joint director, BAMUL, Magadi (t) treated the gyne cases of cattle. Also during the camp calceemin forte, pragma injection, ovulanta injection, tikout, sulphadimidine bolus, caflonpow, neblon powder, lixen, panacur bolus, melonex injection, cadsitin injection, belamyl injection, himalayabatisa, floratone 4bolus, melonex plus 4 bolus, tonophosphan injection, vetade, tribivet injection, bloatasil liquid, hosky and bovirum bolus etc. was distributed and used for treating the animals. Department and KVK Staffs, more than 87 farmers/farm women participated and more than 110 of cattles, poultry birds (more than 500), Sheeps and Goats (more than 100) was treated and vaccinated.





Certificate course on integrated nutrient management

On 18-11-2024 the valedictory programme of 15 days Certificate course on integrated nutrient management was organized at ICAR-KrishiVigyan Kendra, Shivamogga. The programme was jointly organized with Staff Training Unit, SAMETHI (South), Directorate of Extension, UAS, Bengaluru, National Institute of Agricultural Extension Management (MANAGE), Hyderabad from 04-11-2024 to 18-11-2024 for PACS input dealers. The main objectives of this training is to impart the technical knowledge on soil health management to the fertiliser / prospective dealers, to provide knowledge about the rules and laws governing the fertilisers, to develop the fertiliser / prospective dealers as para extension professional on soil health management. During this 15 days training programme. Information on macro and micro nutrients management, exposure visits to progressive farmers' plot, different soil testing laboratories, pesticide residual laboratory, fertilizer quality testing laboratory, Davanagere, bio-control lab, horticulture department, Shivamogga were organized for cross learning. The Programme was presided by Dr. R. C. Jagadeesh, Hon'ble Vice Chancellor, KSNUAHS, in his presidential speech he emphasized the participants of CCINM, has to spread the knowledge of Integrated Nutrient Management to the farmers. Dr. S. Pradeep, Associate Director of Research, Dr. B. C. Hanumanthswamy, Associate Director of Extension, KSNUAHS, Shivamogga participated as Chief guest. Dr. Sunil C., Senior Scientist and Head, ICAR-KrishiVigyan Kendra,

Shivamogga, has welcomed all the dignitaries and participants, Dr. Anjali, M. C., Scientist (Soil Science) organizer of the CCINM course and all scientist and staff of KVK present in the programme. Totally 27 fertilizer input dealers were trained in the programme.



Role of Farmer Producers' Organization in creating the business opportunities

ICAR-KrishiVigyan Kendra, Shivamogga in collaboration with NABARD, NGO-Chaitanya Rural Development Society, Shivamogga organized a workshop on the "Role of Farmers producers organization in creating the business opportunities for Areaca nut and black pepper and Market linkages" on 19-11-2024. The event was inaugurated by Hon'ble Member of Legislative Council, Shri D. S.Arun. In his inaugural speech, he said that, Farmer Producer Organizations (FPOs) are important for marketing, because they help farmers to improve their market access, bargaining power, and prices for their produce. The CEO should give importance to help farmers to reach larger

markets and establish direct connections with consumers as it helps to create the income. Hon'ble Vice Chancellor Dr. R. C. Jagadeesh, said that FPOs help in collectivization of such small, marginal and landless farmers in order to give them the collective strength to deal with such issues. Members of the FPO will manage their activities together in the organization to get better access to technology, input, finance and market for faster enhancement of their



income. Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga, Dr. Sunil, C., Senior Scientist and Head, ShriSharat P. Gouda, DDM, NABARD, Shivamogga, Mr. Bhadrish B. T., President of CRDS, Shivamogga graced the occasion. KVK Scientists and FPO CEOs, directors and members participated in the event.

Field Day on Direct Seeded Rice

ICAR-Krishi Vigyan Kendra, Shivamogga has organized field day on Direct Seeded Rice on paddy variety 'Sahyadri Kempumukthi' demonstrated at Suranagi village, Sorabataluk, Shivamogga District on 15-11-2024.



During this programme, Dr. Rudragouda, F. C., Scientist (Agronomy) explained about the benefits of direct sowing of rice to seed drill which reduces the cost of cultivation by Rs.8000 / acre compared to transplanted paddy. In this, the technology was demonstrated along with application of post emergent weedicide at 25 days after sowing which managed the weed incidence. Further, Dr. Girish, R., Scientist (Plant Protection) briefed about the major pests viz., brown plant hopper, Gundibug and disease like blast and sheath blight with their management. The programme was benefitted by 35 farmers and extension workers.

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Field Day Celebration of On-Farm Testing Programme on Mosaic Resistant Okra Variety Phule Vimuktha

The field day celebration for the On-Farm Testing (OFT) of the Mosaic-resistant Okra variety Phule Vimuktha was a resounding success. Held on November 12, 2024, the event took place at Kidangummel Ward in Vellanad Panchayat, on the farm of Sri Sujith S, a young progressive farmer who participated in the OFT. The venue provided an ideal setting for the farmers and experts to come together and share the constraints being faced in Okra cultivation and their feedback on Phule Vimuktha variety of Okra

The field day was officially inaugurated by Dr. Binu John Sam, Head of ICAR-KVK Mitraniketan. During the inaugural address, Dr. Binu John Sam underscored the significance of the On Farm testing Programme and the importance of promoting resistant varieties among farmers. Sri Ullas T.G, the Agricultural Officer from Vellanad Krishi Bhavan, felicitated the event and expressed his appreciation for the farmers' participation in the field trials. His words of encouragement reinforced the collaborative spirit of the event.

The participant farmers of the OFT provided valuable feedback on the



performance of the Phule Vimuktha variety. They unanimously reported that the variety was completely resistant to the Mosaic disease, a major threat to the Anakomban variety of okra being grown in the district. The pods were bright green in color, medium-sized, with good cooking quality and great market acceptability

One of the unique features of the Phule Vimuktha variety is its early bearing nature and long shelf life. Harvesting can be done approximately 30 days after transplanting the seedlings, and the plants continue to yield for about 45 days. This extended yielding period enables farmers to spread out their harvests, reducing the burden of simultaneous harvesting and marketing. Moreover, the harvested fruits remain fresh for up to 7 days at room temperature, minimizing post-harvest losses and enabling farmers to sell their produce at a better price.

The success story of one of the participant farmers served as a testament to the variety's potential. He reported harvesting 210 kg of fruits from 300 plants, a remarkable yield that exceeded his expectations. Moreover, since he did not use any chemical plant protection measures, he was able to sell the entire harvest directly from his field without the need to transport it to the nearby market. He sold his produce at the rate of Rs. 50 per kg, earning a handsome income from his crop.



Tribal Sub Plan (TSP) and Scheduled Caste Sub Plan (SCSP) Activities of KVK Thirissur

The Krishi Vigyan Kendra Thirissur is actively implementing the Tribal Sub Plan (TSP) and Scheduled Caste Sub Plan (SCSP) to empower marginalized communities through agricultural development and capacity building for improving agricultural productivity, fostering self-sufficiency, and enhancing the socio-economic conditions of these societies. These initiatives aim to enhance the livelihoods of tribal and Scheduled Caste (SC) farmers by equipping them with essential resources and knowledge.

As part of the TSP, KVK Thirissur observed *Jan Jatiya Gaurav Diwas 2024* on November 25, 2024, at the Thavalakkuzhyppara tribal settlement within the Vazhachal forest division. During the event, farm implements were distributed to the tribal farmers of

Thavalakkuzhyppara to support their agricultural practices. The farmers in this settlement primarily cultivate crops such as rice, pepper, cocoa, nutmeg, and rubber. To further promote sustainable agricultural practices, KVK Thirissur also distributed vegetable seeds, encouraging the development of kitchen gardens. Additionally, awareness sessions were organized to educate farmers about the cultivation techniques and the nutritional significance of incorporating vegetables into their daily diet. These initiatives aim to improve food security and enhance the self-reliance of tribal communities in the region.

Under the SCSP, KVK Thirissur is supporting farmers from the Scheduled Caste community in the district. A specialized training program for farmers who are actively involved in banana cultivation was conducted at Nenmanikkara Panchayath to impart scientific knowledge on banana cultivation, including best practices for planting, crop management, and disease control. Emphasis was placed on the management of pests and diseases that frequently affect banana crops, ensuring that the farmers are equipped to maximize their yields and profitability.





FLD on “ Demonstration of little millet variety GPUL-6 and its market linkage”

ICAR-KVK, Tiptur, Tumkur-1 Scientist (Home Science) Dr. Sindhu, P.B. visited field for follow up on the FLD titled “Demonstration of little millet variety GPUL-6 and its market linkage” at Yalanadu, Chikkanayakanahalli Taluk. During this visit observations was recorded. Dr. Tasmiya Kouser, Scientist (Agronomy) was present during the visit.



Training program on “Procedures for Packing and Systematic Transportation of Value-Added Products”

The training program on “Procedures for Packing and Systematic Transportation of Value-Added Products” conducted by the Scientist (Home Science) at ICAR-KVK Tumkur 1 for Self-Help Groups (SHGs) aimed to equip participants with essential skills in packaging and transporting value-added products efficiently and safely. The training covered various aspects such as choosing appropriate packaging materials, ensuring product quality and safety during transportation, and labeling products correctly with necessary details like expiry dates and storage instructions. It also focused on transportation logistics, including selecting suitable methods to minimize damage and ensure timely

delivery. Additionally, the program emphasized the importance of maintaining product integrity and hygiene throughout the supply chain, ultimately helping SHG members enhance their entrepreneurial skills, expand market reach, and adopt sustainable practices in their business operations.



Field day on foxtail millet OFT

ICAR KVK ,Tumkur-1 conducted field day on “Demonstration of medium duration ragi variety ML-322 “ at Patrehalli, Tiptur taluk on 28th November 2024 scientist (Agronomy) Dr. Tasmiyakowser and Dr. Keerthishankar scientist (Horticulture) participated in the programme .During programme Dr. Tasmiyakowser explained the important features of ragi variety ML-322 related to drought and blast resistance and higher yield.



Method demonstration of TRICHODERMA

ICAR -KVK Tumkur 1, scientist (Plant protection) Mr. manojkumar H explained and importance of TRICHODERMA and method demonstration of TRICHODERMA and

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Field Day on French bean var. ArkaSharath

ICAR-KVK, Tiptur, Tumkur-1 conducted Field Day on Demonstration of French bean var. ArkaSharath in younger Arecanut Garden at Patrehalli village of Tipturtaluk.



Kartik Nelli Utsava 2024: Cultivating Knowledge Through Agri-Tourism

On 11th November 2024, the **Kartik Nelli Utsava** was celebrated at **ICAR-Krishi Vigyan Kendra, Hirehalli, Tumakuru**, focusing on agri-tourism and sustainable farming. The event showcased practical and theoretical knowledge on **Amla plantation and cultivation**, primary healthcare insights, and innovative value addition techniques.

Dr. Loganandhan N., Principal Scientist and Head, provided an overview of the center's activities and its contributions to sustainable agriculture.

Technical Session: Soil Health & Amla Cultivation: Mr. Ramesh P. R., SMS (Soil Science), presented strategies for soil health management and effective Amla farming practices. **Medicinal Plants for Health Care:** Dr. Jagannath Rao, Professor from TDU Bengaluru, elaborated on the medicinal applications of various plants and their role in primary healthcare.

Value Addition in Amla: Mr. Mahesh, a progressive farmer from D. Nagenahalli, Koratagere Taluk, demonstrated methods for Amla processing and shared valuable marketing strategies. Participants visited an **Amla farm in D. Nagenahalli, Koratagere Taluk**, guided by **Shree Shivananda Shivacharya Swamiji of Hirematha, Tumakuru**, where they observed cultivation techniques and farm management practices.

The event was organized in collaboration with **Ravi Aroma Enterprises, Bengaluru**, and **Gramachethana FPCL, D. Nagenahalli, Koratagere Taluk**, enhancing the sharing of expertise and best practices.

The program witnessed the active engagement of **25 medicinal plant growers and horticulture students**, fostering a learning platform for agricultural innovation and sustainable practices.

The **Kartik Nelli Utsava 2024** effectively bridged the gap between farmers, researchers, and consumers, emphasizing the potential of **Amla cultivation** and the role of **agri-tourism** in rural development.



District-Level Millets Recipe Competition 2024: Showcasing Culinary Innovation

The **District-Level Millets Recipe Competition** was successfully conducted on **15th November 2024** at the **JDA Office, Tumakuru**, to select participants for the upcoming state-level competition.

Smt. Subha Kalyan, Deputy Commissioner of Tumakuru, and **Mr. Prabhu G., CEO of Tumakuru**, graced the event as chief guests, underscoring the importance of promoting millets in daily diets.

Smt. Radha R. Banakar, SMS-Home Science from KVK, Hirehalli, served as a judge, evaluating innovative and value-added millet recipes presented by participants.

The event witnessed **20 enthusiastic participants** showcasing

their culinary creativity through a variety of millet-based dishes. Certificates of participation were distributed to all contestants, encouraging them to continue their efforts in promoting the nutritional and economic benefits of millets.

This initiative not only celebrated

the versatility of millets but also reinforced their role in creating nutritious and sustainable food choices. The competition reflected Tumakuru's commitment to embracing the **International Year of Millets** and fostering a millet-centric food culture.



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Certificate course in Integrated Nutrient Management

A Certificate Course on Integrated Nutrient Management for Fertilizer Dealers was inaugurated on 19.11.2024 at Farmers Training Hall, KVK Brahmavar, Udupi. It was inaugurated by Mr. Chandrashekar Naik, Deputy Director of Agriculture, Rajathadri, Manipal. He emphasized the importance of this training programme and how fertilizer dealers have an impact on agriculture development. The programme was presided by Dr. Revanna Revannanavar, Associate Director of Research (in-charge), ZAHRS, Brahmavara. Dr. Lakshmana, Principal, Diploma College of Agriculture, Brahmavara and Dr. Sudhir Kamath K. V., Head, Grameen Krishi Mausam Seva (GKMS), ZAHRS, Brahmavara were the chief guest of the programme. Dr. Jayaprakash S. M., CCINM Program Coordinator, Dr. Naveen N. E., Scientist (Agronomy), KVK, Brahmavara, Ms. Sindhu, GKVK,



Bengaluru, Dr. Sachin U. S., SRF, KVK, Brahmavara, and Mr. Omkar Ganapathi Naik, CCINM Facilitator were also present. In these 15 days training program there are over 30 participants registered.

Frontline Demonstration on Murrel Culture

A frontline demonstration on culture of freshwater high value fish Stripped Murrel was implemented at Sooda Village of Karkala Taluk of Udupi District. Progressive fish farmer, Mr. Ananthananda Shenoy took up the front line demonstration as part Krishi Vigyana Kendra, Udupi, Brahmavara initiative to push culture of freshwater fish murrel technology standardized by Central Institute of Freshwater Aquaculture, Bhubaneswara, Orissa. Critical inputs such as Stripped murrelfish fingerlings and fish feeds were distributed to the farmers. A demonstration of how to release fish, water quality maintenance and feeding methods were shown to the farmer.





Exposure visit cum Hands on training on Value addition

The ICAR - Krishi Vigyan Kendra, Uttara Kannada, Sirsi arranged three days exposure visit cum hands on training on value addition to the farmers of Kali FPO Joida, Uttara Kannada from 27th to 29th November, 2024 at ICAR-KVK Pathanamthitta and ICAR- KVK Alappuza Kerala. Eight farmers and two faculties, Dr. Arjun S. and Dr. Amith Pujar visited KVK Pathanamthitta and learnt value added products from tuber crop Tapioca viz, chips, pakoda, noodles, pasta, flakes etc., processing by blanching methods, packaging and drying

technology. Also visited the demonstration units Mushroom, biopesticide production, azolla, vermicompost, nursery, poultry, fisheries, apiary, processing and value addition etc. In KVK Alappuza, hands on training was given for value added products from coconut and nutmeg. In Uttara Kananda Nutmeg is cultivated as mixed crop in Arecanut based cropping system. Only Nutmeg seed and mace is used predominantly. The rind portion is discarded off. KVK organized hands on training on preparation of nutmeg rind candy, numeg and Amla immunity drink, Nutmeg squash, Mango and Nutmeg leather, nutrimix and products from Coconut viz., coconut virgin oil, coconut dry chutney, coconut cookies, etc. Farmers expressed their satisfaction for new learning experience on value addition opportunities. The programme was coordinated by Dr. Roopa S. Patil Senior Scientist and Head ICAR-KVK Uttara Kannada.



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Skill Development Training Programme:

Off-campus capacity building and Skill Development Training Programme on improved propagation methods in Horticultural crops was organized by Dr. Kiran Sagar, D. C. , SMS (Horticulture) and Soil Health Campaign by SMS (Soil Science) for Farmers of Jambhagi and Aheri

village of Nagathana 16.11.2024, by ICAR-KVK, Vijayapura-1. With respect to Horticulture, The participants were trained to learn various vegetative propagation methods viz., cuttings, layering and grafting. They imparted hands on training in various aspects of preparing plant propagation parts starting from selection of ideal mother plants for Cuttage, Rootstock, Scion, and preparation of Media for propagation like Sphagnum mass, IBA solution and potting mixture. They were also taught about care of grafted plants, layers and separation from mother plant and final transplanting into the field and so on. Further SMS (Soil Science) given awareness about Soil Health Management to the farmers.





the inaugural session and discussed the impact of the green revolution on the widespread use of chemical fertilizers and pesticides. He explained that while these chemicals increased productivity, their unscientific usage over time has led to the degradation of soil, water, and biodiversity. Organic farming, according to Dr. Belli, could reverse these effects by producing healthier crops and ensuring environmental sustainability. In his presidential address, Dr. Shivashenkaramurthy M., Senior Scientist and Head of KVK, Indi, praised traditional agricultural methods that focus on using organic manures instead of chemical fertilizers and pesticides. He encouraged practices such as intercropping, mixed cropping, crop rotation, and the cultivation of trap crops to reduce chemical load, cut down cultivation costs, and improve soil health. Shri H.S. Patil, SADH, Department of Horticulture, Vijayapura, urged farmers to take advantage of government subsidies and make use of market facilities for better economic returns. Other notable participants included Dr. Premchand, U, Dr. Balaji, Dr. Veena, Majeed G., and over 40 farmers from various villages. The training concluded with a vote of thanks by Dr. Heena, Scientist (Horticulture). On last day, certificates were distributed to the participants.



Three days skill development training programme on “Organic farming”

ICAR-KVK Vijayapura-II (Indi) conducted a three-day skill development training program on "Organic Farming" from November 14th to 16th, 2024. The program aimed to educate farmers about the importance and benefits of organic farming in modern agriculture. The session was inaugurated by Dr. Prasad M.G, Scientist (Animal Science), who welcomed all the participants. Dr. Prakasha G., Scientist (Agronomy) and the organizer of the program, emphasized the growing importance of organic farming both nationally and internationally over the last decade. He highlighted that today's agriculture needs significant changes, particularly in reducing production costs, protecting the environment, and producing high-quality food. Organic farming is seen as a promising solution to these challenges. Dr. R.B. Belli, ADE, Vijayapura, delivered



Contributors: Dr. Prakasha G. Scientist (Agronomy) and Dr. Shivashenkaramurthy, M. Senior Scientist & Head, KVK, Indi



Vigilance Awareness Week Programme

KVK Wayanad conducted the Vigilance Awareness Week Programme at the KVK training hall. Employees of KVK Wayanad and final-year students of the College of Agriculture, Ambalavayal participated in the programme. Mr. Shaji Vargheese, DySP, Vigilance and Anti-Corruption Bureau led the session and emphasized the importance of transparency, integrity, and ethical conduct in building a corruption-free society. Following the session, all participants took the Integrity Pledge. Approximately 53 members attended the event.

'Deeksharambh' programme for B.Sc. (Hons.) Agriculture students

KVK Wayanad organized a one-day training programme on role of KVK and its activities, as part of the 'Deeksharambh' orientation programme for first year students of College of Agriculture, Ambalavayal. The session was attended by 61 students and Dr. Arularasan G.S, Assistant Professor led the training, offering an in depth explanation about the mandates and various activities of KVK. Mrs. Ashitha M.R, Assistant Professor guided the students through the various production units such as Nursery, Biocontrol, Mushroom, Sampoorna and processing unit whereas Mrs. Sarija, Research Assistant explained about the tests conducted at the Soil testing lab.

Monthly Technology Advisory (MTA) Meeting

KVK Wayanad conducted one day MTA Meeting for officials of Agriculture Department in Wayanad district, in collaboration with ATMA, for effectively resolving farmers' problems besides updating the extension functionaries of the advanced agricultural technologies. In the programme, officials from RARS and KVK Wayanad resolved the problems presented by Agricultural Officers and in the afternoon session, Mr. Mammooty K, Rtd. Deputy Director conducted a talk on the topic "Coffee Cultivation Practices, Pest and Disease management". Agricultural Officers and ADA from the four blocks of Wayanad district actively participated in the event.





of technology in farmer field.

Capacity Building program and input distribution under TSP

ICAR- KVK, Yadgir (Kawadimatti) in collaboration with ICAR-IIHR, Bengaluru organized Capacity Building program and input distribution under TSP to 100 farmers of Yadgir District. The program was inaugurated by Dr. Jaiprakash Narayan, R.P, Senior Scientist and Head, ICAR- KVK, Yadgir (Kawadimatti) and addressed the farmers regarding different schemes and facilities available from central and state governments including different central and state institutes related to Agriculture. Dr. Devendrappa, Senior Scientist from IIHR explained the different technologies developed by IIHR for improvement of production in horticulture crops. Dr. Mallareddy, Scientist (Agronomy) discussed the importance of marketing knowledge to double the income level. Distributed IIHR technologies like vegetable seeds, nutri-garden kits and Mango special, vegetable special to beneficiaries.

ICAR KVK YADGIR (Kawadimatti)

Training Program on IPM of Spodoptera Pest in Groundnut crop

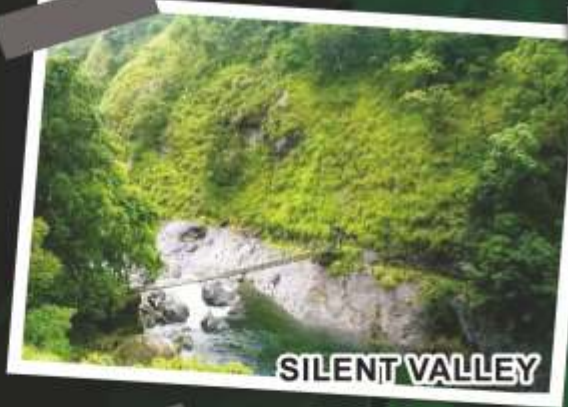
ICAR- KVK, Yadgir (Kawadimatti) organized one day off campus training program on Integrated Pest Management of Spodoptera in groundnut crop at Arakera and Panchasheela Tanda villages of Yadgir



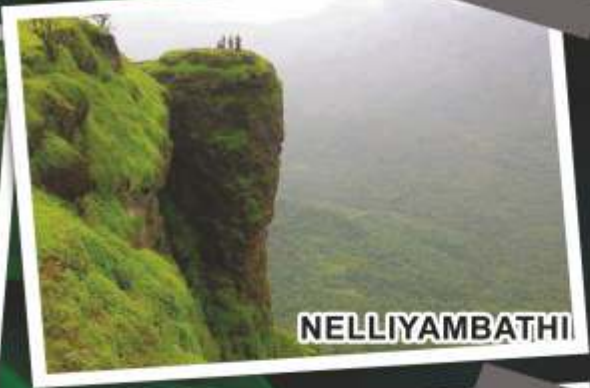
taluka. Dr. Jaiprakash Narayan, R.P, Senior Scientist and Head, ICAR- KVK, Yadgir (Kawadimatti) explained the importance of selection of varieties and seed treatment with bioagents like Trichoderma, Rhizobium to get higher yield and also to reduce pathogen load. Dr. Mallareddy, Scientist (Agronomy) discussed the importance of Agronomic practices like growing of border crop like bajra and mixing of 200 gm castor seeds along with groundnut seeds and crop rotation for efficient management of Spodoptera. Dr. Rathamma Scientist (Plant Pathology) explained integrated pest management of Spodoptera for effective management, demonstrated Poison bait techniques and created awareness for large scale adoption



Palakkad - "Where Nature's Splendor Meets Cultural Richness"



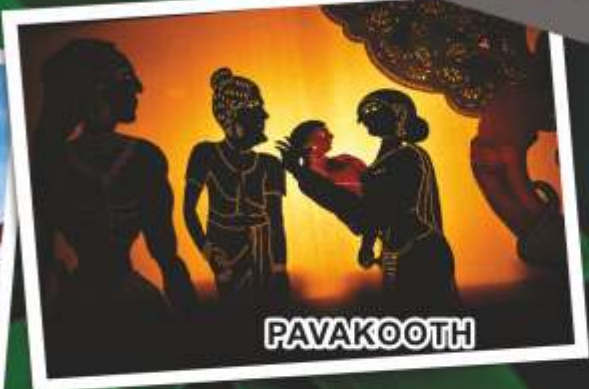
SILENT VALLEY



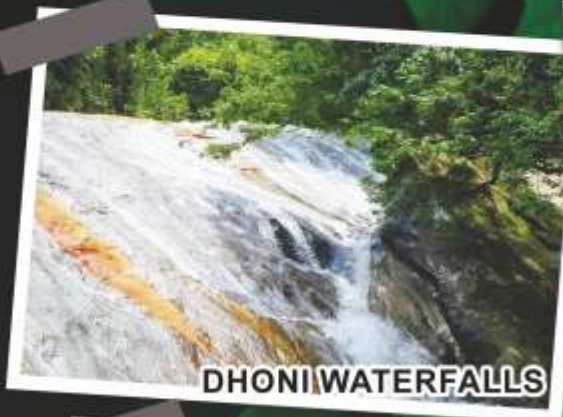
NELLIYAMBATHI



KALPATHI RATHAM



PAVAKOOTH



DHONI WATERFALLS



PALAKKAD FORT



KALA VELA



PARAMBIKULAM TIGER RESERVE

KVK PALAKKAD: EMPOWERING FARMERS; ENHANCING LIVELIHOODS





ICAR-Agricultural Technology Application Research Institute, Zone XI

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

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