



# KVK TIMES

A window to KVKs of ICAR-ATARI, Zone-XI, Bengaluru  
Volume-2, Issue 38, 16-31<sup>st</sup> January, 2025

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

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KVKs  
1974-2024  
कृषि विज्ञान केंद्र  
Krishi Vigyan Kendra  
Serving Farmers

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# K V K TIMES



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

## **KVK Times**

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### **Published by**

**ICAR-Krishí Vigyan Kendra**

Shivamogga, Karnataka

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KVK Times is a Fortnightly e-Publication that covers important activities of KVKs of Zone XI

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### **Design and Layout**

Mrs. B. S. Geetha, Senior Technical Officer (Computer) and  
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## MESSAGE



It gives me immense pleasure to present this edition of KVK Times highlighting the significant activities and technological advancements of ICAR-Krishi Vigyan Kendra (KVKs) of Zone -XI. As we celebrate another milestone in our journey towards empowering farmers, farm women, and farm youths, I am delighted to acknowledge the tireless efforts of all KVKs in transmitting the cutting-edge agricultural technologies to our stakeholders. Our KVKs are instrumental in enhancing the knowledge, skills and livelihoods of our farming community through various capacity-building programs, demonstrations and training sessions. The KVK times is an excellent initiative taken by ATARI, Bengaluru to showcase the efforts of KVKs in disseminating technologies from lab to farm lands very effectively.

ICAR- KVK Shivamogga is relentlessly working towards bridging the gap between scientific research and field application, ensuring cutting-edge agricultural technologies to reach the grassroots level and has a leading institution committed to the welfare of the farming community. Notable initiatives undertaken by KVK Shivamogga include expanding the area under Sahyadri Kempumukthi, a pioneering red rice variety released by KSAUAHS and promoting Areca husk composting technology to effectively utilize the husk. The KVK's emphasis on women and youth empowerment through various skill enhancement and self-employment training programmes is also commendable.

As we move forward, I encourage all KVKs from Zone XI to continue scaling up successful initiatives, strengthening partnerships with stakeholders and addressing emerging challenges in agriculture. I also extend my heartfelt thanks to Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru whose leadership is instrumental to the success of the KVKs of Zone-XI.

I hope that KVK Times will inspire and inform our readers encouraging greater adoption of advanced agricultural technologies and continue the journey towards a prosperous and resilient farming community.

I thank the KVK team, partners, and stakeholders for their unwavering support and dedication.

**(R. C. JAGADEESHA)**  
**Vice Chancellor**  
**KSNUAHS, Shivamogga**

**Place : Shivamogga**  
**Date : 14-02-2025**

## MESSAGE



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, Shivamogga is bringing up the 38th issue of second volume of KVK TIMES covering the 16-31st January, 2025. I congratulate the KVK fraternity of Zone XI specially Dr. Sunil, C., Senior Scientist and Head and his team of KVK, Shivamogga for bringing out this unique edition of KVK Times.

**(V. Venkatasubramanian)**  
**Director**  
**ATARI, Bengaluru**

**Place : Bengaluru**  
**Date : 14-02-2025**

## MESSAGE



The Krishi Vigyan Kendra's (KVK's) have been at the forefront of disseminating innovative farming practices, enhancing productivity and promoting sustainable agriculture. Through frontline demonstrations, on-farm trials, capacity-building programs and skill development initiatives. We have empowered farmers with knowledge and skills to improve their livelihoods.


The introduction of climate-resilient farming practices, integrated pest and nutrient management, precision farming and organic agriculture has significantly contributed to the region's agricultural sustainability. One of its key priorities has been to support small and marginal farmers by introducing improved crop varieties, farm mechanization and value addition techniques. The promotion of livestock-based enterprises, horticultural advancements and natural resource management has further strengthened the rural economy.

Hence, this KVK times by ATARI Zone XI highlights the compiled activities taken up by all the KVK's of ZONE-XI. This initiative serves as a platform to showcase KVK's achievements, success stories and innovative research outputs that have transformed the agricultural landscape of KVK's. I extend my heartfelt gratitude to all the scientists, extension workers, farmers and stakeholders for their continued support and collaboration in making these initiatives a success.

I am very delighted to acknowledge that, KVK, Shivamogga compiled this issue of KVK Times for the period January 16-31, 2025. I extend my contented wishes to Dr. Sunil, C., Senior Scientist & Head and all the Scientists of KVK, Shivamogga for their efforts in bringing this issue very effectively. There continuous efforts and dedication in improving livelihoods of farming community is truly an inspiration and noteworthy.

Let us remain committed to our mission of improving the well-being of our farming community.

**Place : Shivamogga**  
**Date : 14-02-2025**

  
**(K.T. GURUMURTHY)**  
**Director of Extension**  
**KSNUAHS, Shivamogg**

## ACKNOWLEDGEMENT



I am extremely proud and privileged to be entrusted with the responsibility to compile and edit the KVK times covering the period of 16th to 31st January 2025. KVK Times is a fortnightly e-publication of ICAR-Agricultural Technology Application Research Institute, Bengaluru that covers important activities of KVK's. It is a platform where KVK's can showcase their activities mainly transfer of technology through On Farm Testings, Front Line Demonstrations, capacity development programmes and various other special programmes for the benefit of the farming community, also which serves as a record for future reference. The documentation of various programmes and innovative activities can bring about a massive difference to the system as such and can help in bringing about the evolution and spread of new thoughts and ideas.

I would like to express my heartfelt gratitude to Honorable Director, ICAR-ATARI, Bengaluru, Dr. V. Venkatasubramanian, for his overwhelming support, inspiration and encouragement to serve the farming community and valuable guidance in bringing out this edition of KVK Times. I am extremely happy to express my deepest sense of gratitude and heartfelt thanks to our Hon'ble Vice-Chancellor Dr. R. C. Jagadeesha, KSNUAHS, Shivamogga, for his constant support and encouragement to the team of KVK, Shivamogga.

It is my pleasure to extend my sincere thanks to Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga, for all his timely interventions, suggestions and support which ultimately helped KVK, Shivamogga in achieving our mandates. I also take this opportunity to thank Dr. B.T Rayudu, Principal Scientist and Nodal Officer of our KVK for his constant encouragement and valuable insights.

I extend my gratitude to all the Heads of 48 KVK's and their team for their timely contribution of the material for the successful publication of the 38th edition of KVK times. I would like to acknowledge and give my warmest thanks to my entire team of ICAR-Krishi Vigyan Kendra, Shivamogga for their constant support and contribution to compile and bring out this issue within the time frame effectively.

Place : Shivamogga  
Date : 14-02-2025

A handwritten signature in green ink, consisting of a stylized 'S' followed by a horizontal line.

(SUNIL, C.)  
Senior Scientist and Head  
ICAR-Krishi Vigyan Kendra  
Shivamogga

## MESSAGE

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## KVK Shivamogga

**Launching of Kisan Samridhhi Mobile App at Shivamogga, Karnataka by Shri. Shivraj Singh Chouhan, Hon'ble Minister of Agriculture and Farmers' Welfare and Rural Development, Government of India**



The Areca Growers' Conclave in Sagara taluk of Shivamogga district, Karnataka on 18th January, 2025 hosted as a significant event in the history of Indian Agriculture, where Hon'ble Minister of Agriculture and Farmers' Welfare and Rural Development, Government of India, Shri Shivraj Singh Chouhan launched the Kisan Samridhhi Mobile App. This app is a crucial component of the Digital Vyapar Network, aimed at benefiting farmers, Farmer Producer Organizations (FPOs) and entrepreneurs.

The Kisan Samridhhi Mobile App is designed to provide a one-stop solution for farmers, offering various services and information. The app likely includes features such as market access, input supply, financial services, and advisory services.

The event at the Areca Growers' Conclave in Sagara marked a significant milestone in the journey towards digital agriculture and farmer empowerment across India with the presence of MPs of Shivamogga constituency and Uttara Kannada constituency Shri B. Y. Raghavendra and Shir Vishweshwara Hegde Kageri respectively. District minister Shri Madhu Bangarappa, MLA Shri Gopalakrishna Beluru, Hon'ble Vice-Chancellor of Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga Dr. R. C. Jagadeesha and Dr. Sunil, C., Senior Scientist & Head, ICAR KVK- Shivamogga and other legendary politicians and farmers who hailed and worked for the betterment of farming community. The event was witnessed by the presence of more than 6000 farmers, farm-women, youths and general public.



## Visit of Dr. Venkatasubramanian, Director, ATARI, Bengaluru to SLN Swadishtha Food Processing Enterprise at Sagara

Hon'ble Director Dr. V. Venkatasubramanian and Hon'ble Vice Chancellor of KSNUAHS, Shivamogga Dr. R. C. Jagadeesha visited "SLN Swadishtha Food Processing Enterprises" owned by Smt. Pratibha Trayambaka Rao in Sagara. This enterprise has been making waves with its innovative products, including RTE snacks, instant dip kashaya mix and newly developed 3-minute RTE masala Poha, Upma and Pongal mixes.

These value added products are a result of meticulous research and development under the guidance of KVK, Shivamogga. The team, led by Senior Scientist and Head of KVK Shivamogga Dr. Sunil, C. and Dr. Sudharani, N., Scientist (Home Science) have worked tirelessly to create these innovative offerings under Kisan Samridhhi brand. The visiting dignitaries appreciated the efforts of the team and acknowledged the significance of their work.



## Valedictory Programme of CCINM

Valedictory Programme of 15 days certificate course on Integrated Nutrient Management for fertilizers dealers (For the members of primary co-operative societies -PACS) from 06-01-2025 to 20-01-2025 was held on 20-01-2025 at ICAR-KVK, Shivamogga. The Programme was presided over



by Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor, KSNUAHS, Shivamogga. In his presidential remarks, he emphasized the participants to spread the knowledge of Integrated Nutrient Management to the farmers. Dr. V. Venkatasubramanian, Director, ATARI, Bengaluru, Zone-XI participated as chief guest of the programme, he educated participants about the importance of sustainable agriculture by adopting and promoting integrated nutrient management, to enhance farm productivity while safeguarding the environment and suggested to work together to ensure a balanced approach for achieving sustainable agricultural practices. Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga, Dr. Sunil C., Senior Scientist and Head, KVK, Shivamogga, Dr. Anjali. M. C., Scientist (Soil Science), training organizer were present in the programme. Few participants among the trainees shared their feedback regarding their experience of programme. Totally 25 fertilizer input dealers were present in the programme.



### **Training on Agro Ecological Practices (Module -2) for Krishi Sakhis**

ICAR-Krishi Vigyan Kendra, Shivamogga in collaboration with KCRLPS, Zilla Panchayath, Shivamogga organized 5 days on campus residential training on Agro Ecological Practices (Module-2) for Community Resource Persons of Farm Livelihood (Krishi Sakhi) from 20-01-2025 to 24-01-2025 and 27-01-2025 to 31-01-2025 (two batches) at KVK, Shivamogga. The programme was inaugurated by Dr. R. C. Jagadeesha, Hon'ble Vice-Chancellor, KSNUAHS, Shivamogga. In his inaugural address he highlighted about the activities of Krishi Sakhi at Grama panchayath level to enlighten the knowledge of farmers about agricultural operation seasonally. Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga presided over the programme. In his presidential address, he stressed that, the Krishi Sakhi's role is very important in transferring the new technologies and facilities to farmers at the rural level. The programme was chaired by Smt. Nandini, Project Directorate, NRLM, Zilla Panchayath addressed the gathering about duties to perform at grama panchayath level by Krishi Sakhi. Dr. B. C. Hanumanthaswamy, Associate Director of Extension, KSNUAHS, Shivamogga addressed the trainees on role of Krishi Sakhi's at Grama Panchayath to educate the farmers about different technologies to tackle the field problems.



The programme was also chaired by Dr. Sunil, C., Senior Scientist and Head, KVK, Shivamogga. He addressed the trainees about creating awareness to farmers about improved agricultural practices and need based extension services to be updated by contacting KVK scientists. The programme was scheduled on ICM practices for agricultural and horticultural crops and benefitted by total 31 participants. As a part of exposure visit, participants were taken to Malnadu Craft Mela- Fruits and Flower exhibition organized by Zilla Panchayath, Department of Horticulture, Shivamogga at Freedom Park, Shivamogga on 24-01-2025. The programme was organized by Dr. Manjunath B Kudari, Scientist (Agril. Extension) and Dr. Rudragouda, F. C., Scientist (Agronomy) organised the training programme and supported by Dr. R Girish, Scientist (Plant protection).

### Visit of Dr. Venkatasubramanian, Director, ATARI, Bengaluru to KVK, Shivamogga



Visit to Food and processing lab at KVK, Shivamogga



Visit to 'Rajatha Kuteera' – Pergola : Versatile Structure



## KVK Alappuzha

### Rural Agricultural Work Experience Programme for B Sc Hon (Ag) students

KVK module of the RAWE programme for B Sc Hon (Ag) final year students of College of Agriculture, Vellayani, Kerala Agricultural University was organized from 20th to 23rd January, 2025. Twenty-six students who attended the programme were oriented about KVK and its mandatory activities, plant propagation methods, in situ compost preparation, integrated farming systems, plant protection interventions, and poultry and goatary management. They were also exposed to handling of land preparation machineries, coconut climbing machine, laying out of precision farming plots, virgin coconut oil production and demonstrations on climate resilient farming technologies implemented under NICRA project at Kuttanad. The students were excited and enthralled by the exposure received, even though for a short period, evidenced from their feedback in the closing function.



### Workshop on “Media in the context of changing agriculture” at CPCRI, RS, Kayamkulam

A one day workshop on “Media in the context of changing agriculture” with the participation of leading personalities of the state in the sector was organized by ICAR-CPCRI, RS, Kayamkulam with the active participation of KVK-Alappuzha on 27th January, 25. Eminent personalities involved in farm journalism through print, digital and broadcasting media like Dr. C. Bhaskaran (Rtd Professor, KAU), Dr. V. B. Padmanabhan (Rtd. Professor, KAU), Dr. T. Pradeep Kumar (VC, KUFOS, Kochi), Sri. T. K. Sunilkumar and Sri. James Thuruthumalil (Karshakasree), Smt. Anjana Nair (Agriculture Today), Sri. Sree Padre (Adike Patrika), Sri. Suresh Muthukulam (Krishi Jagaran), Sri. Sajan Gopal and Smt. Manjusha (Doordarshan), Sri. Muralidharan Thazhakkara (AIR), Sri. Y. S. Jayakumar (Deepika), Mr. G. S. Unnikrishnana Nair (Kerala Karshakan), Dr. Sreevalsan. J. Menon (KAU), Smt. T. Balasudhahari (CDB), Dr. C. Thamban and Dr. K. Muralidharan (ICAR-CPCRI), and Sri. Pramod Madhavan (Dept. of Agri.) attended and participated in the deliberations of the workshop. Dr. P. Muralidharan, Head, KVK served as a co-chair in the session on ‘Role of print media in digital era - Status, Challenges & Strategies’ in which two lead presentations were made. All the staff members of the KVK actively involved in the organization and conduct of the workshop.





## KVK Bagalkot

### Skill based training on healthy cooking practices to anganwadi workers

On 16-01-2025, Dr. Ramitha B E, SMS(Home Science) conducted skill based training on healthy cooking practices to anganwadi workers of Bagalkot taluk to enhance their knowledge on hygiene aspects of cooking and nutritive cooking for children where 30 functionaries participated

On 28-01-2025, Dr. M. J. Chandregowda, Nodal Officer, ATARI, Bengaluru visited KVK Bagalkot and visited KVK beneficiary farmers' fields, mushroom and jaggery entrepreneurs, nursery entrepreneur and guided KVK staff and farmers.





## KVK Ballari

### ICAR - KVK Ballari involved as resource hub at Siridhanya Mela for Farmers gathering

Siridhanya Mela unique festival of Nutrimillet exhibition, Walkathan and Presentation of various aspects on production, marketing and value addition of Siridhanya was organized by District Joint Director of Agriculture, Ballari, Zilla Panchayath, Ballari at BDA ground Ballari on 21-01-2025. There were about twenty five stalls exhibited stalls on millet products, processing and marketing aspects with five thousand farmers were witnessed the programme. District Commissioner, Ballari inaugurated the Siridhanya programme along with JDA, Deputy Directors of Agriculture, staff of ADA, AO, AAO and ATMA staff, Besides, staff of ICAR Krishi Vigyana Kendra and Agricultural College, Hagari were also participated.

ICAR- KVK Hagari involved in the mela as an integrated part of exhibition and displayed various technologies such as Information on varieties of Foxtail millet (Hagari Navane HN 46), Brown top millet (HBR-1), Little millet (Hagari Same) and Sorghum (GS-23) which released by UAS Raichur for the benefit of farming community. Further posters on bio fungicides and pesticides such as Trichoderma, Pseudomonas, Meterizhium and their method of applications for promotion of organic production of nutri millets were also displayed and explained to farmer gathering.

District Commissioner, Ballari also inaugurated the Siridhanya-walkathan where in about 850 people from various line Departments viz., Agriculture, Horticulture, Sericulture, Veterinary, Officials of Zilla panchyath, Karnataka Police staff, Ballari and KVK & ARS staff, Hagari, Scientists were participated in the road show with slogans representing importance of nutri millet in benefit of human health. Finally the programme was concluded by Joint Director of Agriculture, Ballari. Further, Scientists from KVK Hagari, Agriculture college, Hagari addressed the gather on production technologies viz., varietal importance, bio pesticides on millet production, nutritional importance and value addition in nutri millet. Finally JDA Ballari concluded the programme.





## KVK Belagavi-I

### Module 2 -Training For Krishi Sakhi of Belagavi District

The ICAR-Krishi Vigyan Kendra Belagavi-I (Tukkanatti) successfully concluded the Krishi Sakhi Training Module-II for Batch-7. Held from 27th Feb 1st March 2025, the six-day training program aimed to enhance the skills and knowledge of rural women in sustainable agricultural practices, equipping them to serve as "Krishi Sakhis"—farm facilitators who guide farmers in their communities.

The program commenced with an inaugural session, inaugurated by Shri R. M. Patil, Chairman, KVK Belagavi-I (Tukkanatti) and included the presence of Dr. D. A. Mhetre, Senior Scientist & Head, as well as the entire scientific staff of KVK Belagavi-I. Krishi Sakhis from Gokak, Mudalagi, Hukkeri Athani and Nippani talukas were also in attendance. The introductory session by P.M. Patil, Scientist (Horticulture), set the tone for the week-long intensive training.

The six-day program included lectures, field visits, and practical demonstrations designed to cover a wide range of topics, including plant protection measures, soil health management, integrated farming systems, agronomic practices, and secondary agriculture marketing strategies. The program was conducted by experts from various fields, including external resource persons like Dr. Shivanand Honalli (Agronomist, ARS Arbhavi), Shri Ramesh Khanagouder (Progressive Farmer, Kalloli), Dr. Kumar B. H. (Soil Scientist, ARS Arbhavi), and the scientific staff of KVK Belagavi-I.

The training also featured hands-on sessions at the KVK instructional farm, where participants engaged in seed treatment techniques, nutrient deficiency identification, composting methods, and the development of agronomic and Nutri-gardens. Participants also had the opportunity to assess and plan their agricultural initiatives and learn about government schemes aimed at promoting agricultural sustainability.

The valedictory session on February 1st, 2025, concluded the weeklong training, signifying the participants' readiness to serve as "Krishi Sakhis" in their communities, fostering better agricultural practices and self-reliance.





## KVK Belagavi-II

### Observation of Technology Week in KVK, Belagavi-II

Technology Week was celebrated at KLE KVK, Belagavi II organizing agricultural Technology Week between 20-25 January 2025. Dr. Manjunath Chouraddi, Senior Scientist & Head emphasized the role of KVK as technology hub in making farming enterprise profitable & suggested farmers to be in touch with KVK Scientists. The participants paid visit to crop cafeteria & agricultural exhibition arranged at the programme site.

As a part of week long programme, the farmers were taken to banana crop demonstration and exhibited bunch cover in order to reduce the incidence of thrips and mites while increasing the weight of banana fingers. The farmers from Khanapur taluk and ATMA beneficiaries were exposed to vegetable cultivation practices to boost their income.

A Training programme on 'Oil Seed Production Technology' was organized as a part of the Technology week in KVK, Belagavi II in association with AICRP (Oil Seeds), UAS, Dharwad. The programme was inaugurated by Dr. V.I. Patil, Director, Board of Management, KLE Society, Belagavi. During his inaugural address he called upon the farmers to reconsider the cultivation of groundnut, safflower and sunflower in order to address the health issues and to check the import of oil from other countries. In these days consumption of processed oil is one of the main health issue reflecting in many of the diseases. Earlier, the district was famous for oil seed cultivation. Therefore, the farmers are requested to technological help from KVK, Belagavi-II, get the quality seeds and inputs to reap better harvest of oil seeds. Dr. B.S. Yenagi (Agronomist), Dr. Gurupad Ballol (Plant Pathologist) and Dr. S.V. Hugar (Entomologist), AICRP (Oil Seeds), UAS, Dharwad trained the farmers on various issues of groundnut cultivation.

Training programme on Production Potentialities of Oil Seed Crops in Belagavi district in association with DHAN Foundation, Savadatti was organized. The trainees were exposed to Plant Protection, use of new tools in pest management, identification of pests and their natural enemies. Further, farmers interacted with Scientists on pests of groundnut, safflower, sunflower and soybean. The farmers were also taken to instructional farm and learnt about the possibilities of cultivation of different vegetables, fruit crops etc. The use of Kisan Drone in agriculture was demonstrated to the farmers on use of drone in plant protection activities.

Under the Technology Week the farmers, farmwomen, farm entrepreneurs, rural youths and students of various government school took part in the technology week. In all 510 participants benefited from the programme. The Scientists of KVK toiled to exhibit various technological interventions, crop demonstrations, soil and water testing laboratory, plant health clinic, seed processing unit, floriculture, olericulture and automatic fertigation unit of the KVK. The beneficiaries expressed their satisfaction and requested to arrange such technology week before on set of kharif and rabi season to get quality seeds and inputs.





### **Training Programme on Scientific Animal Husbandry Practices in collaboration with Centre of Excellence for Animal Husbandry (CEAH), Hesaraghatta, Bengaluru**

KVK, Belagavi-II in collaboration with Centre of Excellence for Animal Husbandry (CEAH), Hesaraghatta, Bengaluru, Government of India has organized 3 days training programme on Scientific Animal Husbandry Practices from 21.01.2025 to 23.01.2025.

During the first day of the programme the trainees were exposed to promotion of quality milk production. Dr. Holebasappa Teggi, Joint Director, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Centre of Excellence for Animal Husbandry (CEAH), Hesaraghatta, Bengaluru narrated the role of farmers in animal nutrition, milking and other practices.

Dr. Manjunath Chouraddi, Senior Scientist & Head, KLE KVK, Mattikopp showed his concern about the dropping rearing of animals and such training of milk producers for scientific dairy farming will definitely improve the returns for the dairy business and also suggested dairy farmers to be in touch with KVK Scientists. The programme highlighted the trainees on basic animal husbandry practices, identification, milking, culling, milk breeds of cattle and buffaloes, feeding and housing of livestock, zoonotic diseases and its importance, vaccination and health care.

The farmers were exposed on breeds of fowls, feeding of poultry and management of chicks. He also gave thrust on different diseases, healthcare followed by vaccination of birds. Further, the trainees were exposed to different breeds of goat and sheep their housing, routine management practices, vaccination and health care. They also studied systems of breeding, artificial insemination, sex sorted AI, pregnancy stages and etc. Later, they were brought to feeding and housing of small ruminants. The participants visited KVK Dairy Unit comprising of desi breeds of livestock.

Dr. Shrikant, V.N., Managing Director, KMF, Belagavi addressed as Chief Guest requested the farmers to use quality animal feed, nutritious food effective parasitic management, use of minerals and implementation of artificial insemination in order to get better results out of dairy activity. He requested the farmers to become members of KMF and to sell milk to KMS societies. All the participants who completed the training programme successfully were given with certificates. G.B. Vishwanath, Scientist (Agronomy) welcomed the farmers and Praveen Yadahalli, Scientist (Horticulture) proposed vote of thanks. 40 farmers representing different areas of Belagavi district took part in the training.



## Participation in Seminar/Workshop

S.M. Warad, Scientist (Soil Science) participated in “Sustainable Agriculture and Food Processing Growth Summit and Expo 2025” held during 17-18 January, 2025 at Kerala Agricultural University, Vallanikkara, Thrissur, Kerala. Similarly, he also participated in Zonal Workshop held at Kollam during 20-21 January, 2025 in which agro-climatic zone specific Integrated Farming System (IFS) modules were discussed and presented for Karnataka and Kerala states. ICAR-KLE KVK, Belagavi-II shared data on prevailing Integrated Farming System in Northern Transitional Zone (Zone-VIII) of Karnataka and contributed for formulation of strategies to strengthen, optimize resource use and agricultural productivity in the zone.



## Resource Person

S.M. Warad, Scientist (Soil Science) participated as Resource Scientist in the training programme to farmers on ‘Soil Fertility Management in Low Productivity Zone of Belagavi Taluk’ organized by Dept. of Agriculture under Karnataka Raitah Samriddhi Yojane at Gram Panchayat, Sulebhavi on 31.01.2025. The Scientist interacted with farmers on properties of soil that caused for low productivity in the region. He suggested farmers to enhance the fertility of soils and organic carbon content with adequate supply of organic manures such as compost/ vermicompost/ poultry manure and also green manures like sun hemp/ diancha besides application of bio-fertilizers. He advised the farmers, to apply fertilizers based on soil test and as per the advisories from KVK Scientists along with application of deficit micro nutrients to enhance the productivity of soil in the region.



## Participation in Krishi Mela

Dr. Manjunath Chouraddi, Senior Scientist along with KVK Scientists visited Krushik 2025 Mela at KVK, Baramati, Maharashtra during 16-20 January, 2025. Scientists visited all the demonstration units, production unit, stalls and live demonstration of fruit and flower orchards and interacted with KVK Scientists and stall owners on new innovations in agriculture and latest varieties released by the companies to improved the production and productivity of the farmers.





## KVK Bengaluru Rural

### Brief Report of Animal Health camp

ICAR – Krishi Vigyan Kendra, Bengaluru Rural District organized Animal Health Camp in collaboration with Credit Access India Foundation, Bengaluru and Karnataka Milk Federation at adoptive village Doddarayappanahalli, Doddaballapura taluk on 16.01.2025. The programme was inaugurated by Dr. Y.N. Shivalingaiah, Hon'ble Director of Extension, UAS, GKVK, Bengaluru and addressed the gathering about the importance of periodic health checkup of livestock to improve the milk productivity. During the programme Dr. Hanumantharaya, Senior Scientist & Head briefed about the purpose of conducting animal health camp and precautionary measures need to be taken care by the farmers to reduce the losses caused by the diseases. Dr. Venkate Gowda, J., Scientist (Agronomy) given detailed information regarding the fodder production, silage making, water management during the summer season.

Dr. Mohamed Ziaullah, Veterinary Doctor, Karnataka Milk Federation, Doddaballapura stressed about the importance of cleanliness and periodic diagnosis of animal components. Further, he diagnosed different problems viz., Repeated breeder in 24 animals, wound and skin infection in 19 animals, lameness in 8 animals, mastitis problems in 12 cows, deworming in 45 animals, lumpy skin disease in 12 animals and given medicines for the above diseased animals. Mr. Manjegowda representative from Credit Access India Foundation, Bengaluru participated at the programme. Dr. Gopal, Y. M., Scientist (Extension), KVK, Bengaluru Rural and President, Mr. G. Chokkareddy, Secretary Mr. Narayanaswamy and Directors of Doddarayappanahalli Milk Cooperative Society were participated in the programme. About 120 livestock of 70 farmers were diagnosed and treated during the animal health camp.



## Training Programme on Millets based Bakery products under ARYA project

ICAR- Krishi Vigyan Kendra, Bengaluru Rural District organized six days Skill development training programme on “Millets based Bakery enterprise” to Rural youths under Attracting and Retaining Rural Youth in Agriculture (ARYA) project from 13th to 18th January 2025.

Dr. Venkate Gowda, J., Scientist (Agronomy), ICAR- Krishi Vigyan Kendra, Bengaluru Rural District delivered lecture on improved cultivation practices and newly released high yielding varieties of millets.

Mrs. Meghana, S.V., Scientist (Home Science), delivered lecture on processing and value addition of millets. Also highlighted about the importance of FSSAI registration and marketing strategies for millet based bakery products and demonstrated the millet based bakery products such as cookies, doughnuts, cakes and decoration of cupcakes. Mrs. Navanitha, millet entrepreneur participated as resource person and demonstrated the millets value added products like malt, laddu, mixture and nippattu. The trainees were taken to Institute of Baking Technology and Value addition at GKVK, Bengaluru for further exposure to bakery equipments and bakery products.

Total 10 Rural youth and women were participated in the skill training programme and encourage them to take up 'Millets based bakery enterprise' as an enterprise.





## KVK Bidar

### "scientific Advisory Committee Meeting Marks Milestones In Agricultural Innovation"

The Scientific Advisory Committee Meeting convened at ICAR - KVK, Bidar on January 29th , 2025, chaired by Dr. N.Sivasanker, the esteemed Director of Extension at UAS Raichur. Distinguished members including Dr. D.V.Kolekar, Scientist and Nodal Officer, ICAR-ATARI, Bengaluru, Dr. Basavaraj Awate, Director of Extension, KVAFSU Bidar, Dr. S.V.Patil, Dean, College of Horticulture, Bidar, Dr. A.R.Kurubar, ADE (Hq), UAS, Raichur graced the occasion, representing various prestigious institutions and bringing a wealth of expertise to the table.

Dr. Sunilkumar N. M., Senior Scientist & Head of KVK Bidar, presented a comprehensive action taken report on the previous SAC recommendations, outlining notable achievements and the overall progress of KVK Bidar. During the meeting, Dr. Basavaraj Awate, Director of Extension, KVAFSU, Bidar, Dr.A.R. Kurubar, ADE UAS, Raichur, and Dr. S.V. Patil, Dean, College of Horticulture, Bidar, delivered special remarks. Shri. Vishnuvardan, DDM, NABARD, Bidar, along with representatives from various line departments such as Agriculture, Horticulture, ATMA, Lead Bank, Fishery, Sericulture and Progressive farmers engaged in constructive discussions. They deliberated on challenges and proposed focal points for the forthcoming 2024-25 action plan, emphasizing collaboration and strategic planning for agricultural development.

The occasion also marked the commencement of several impactful initiatives like inauguration of display board of "I Love KVK Bidar" and also release of 3 leaflets on protected cultivation technologies and also release of farmers products like Jaggery and Mushrooms.

Overall, the Scientific Advisory Committee Meeting served as a platform for collaboration, innovation, and strategic planning, setting the stage for impactful agricultural development in Bidar district.





## KVK Chamarajanagar

### Capacity Building Programme on Organic Cultivation of Turmeric

A capacity building programme for the members of Sri.Kamadhenu farmer producer company ltd., Haradanahally, Chamarajanagara taluk was conducted on 16.01.2025 at ICAR KVK Chamarajanagara. The technical information on organic cultivation aspects of turmeric covering healthy seed rhizomes selection, rhizome treatment for managing rhizome rot disease, spacing, nutrient management, pests and diseases management were provided by Dr.Mohankumar,A.B., Scientist (Horticulture). Assistant Director of Spices Board, Dr.Rashmi highlighted the support extended through their organisation to the turmeric growers, especially in the field of processing and value addition. Senior Scientist & Head Dr.Yogesh,G.S. urged the growers to adopt mechanization in turmeric cultivation during sowing, harvesting and post harvest management owing to an escalation of cost on labour, harvesting and post harvest processing by manual means. FPC president, secretary and members expressed their gratitude to KVK and Spices board for the support extended in the process of procurement of an improved, mobile turmeric boiler at subsidized price for post harvest management of turmeric rhizomes. The programme was graced by Spices board field officer Mrs.Swapna and more than 30 participants including FPC members were present.



## Field days – Integrated Crop Management in Horsegram

Field days were organized and conducted under village adoption programme at Nijalingapura and under NICRA at Putthanapura on 27/01/2025 and 28.01.2025, respectively.

27.01.2025: Chief Guest, Agriculture officer Mr.Mahadevaprasad inaugurated the programme and said that growing horse gram in Rabi season after ragi or maize improves soil fertility. Calling for mandatory seed treatment, he opined growing pulses after cereal crops will reduce the infestation of pests and diseases and will not allow pests to complete their lifecycle, thereby making way for better management of insect pests & diseases. He provided brief information about various development programmes of department of agriculture namely soil and water conservation, agriculture mechanization, micro-irrigation and post harvest management.

Mr. Rajath. H. P. SMS (DAMU) provided information on the importance of weather based forecasts and their utilization in agriculture. He provided information on integrated management of Horsegram crop. He urged the farmers to take up row sowing in order to reduce adverse effect of high humidity during incessant rains and also insisted farmers to adopt low cost farming practices like line sowing which eases weed management and results in higher yield as a result of good growth and development when compared to broadcasting method. Progressive farmers Sri.Shekarappa, Sri.Kenchashetty and Sri.Shankarguru provided feedback as PHG-9 variety yields more pods compared to other varieties and is less prone to yellow mosaic disease. Dr. Yogesh G. S., Senior Scientist & Head presided the programme and said that the PHG-9 variety of Horsegram can be harvested in 100-105 days and is tolerant to yellow mosaic disease. He also insisted farmers to adopt scientific post harvest management practices. The program was coordinated by field investigator Sri. Manju.S.

28.01.2025: Scientist (Agronomy) Dr.Shruthi,M.K., provided information on agronomic practices like selection of seeds, seed treatment with biofertilizer, spacing, integrated nutrient management, integrated pests & diseases management and emphasized on line sowing and its advantages. Progressive farmers Sri.Shivakumar and Sri.Shivaramu shared their experiences and said that line sowing has resulted in good growth with increased number of pods. They also provided feedback as demonstrated Horsegram varieties CRHG-19 (previous year) and PHG-9 Horsegram are tolerant to powdery mildew and yellow mosaic diseases. The program was coordinated by project SRF Sri. Mohankumar,B.N.





## KVK Chikkaballapur

### DAESI inauguration programme

Diploma in Agricultural Extension Services for Input Dealers (DAESI) inauguration programme was organised by ICAR-Krishi Vigyana Kendra, Chikkaballapura on 22.01.2025. Dr. Narayana Reddy, State nodal Officer, Dr. Papireddy, Senior Scientist and Head and Dr. P. Venkataravana, Dean (Seri.) along with other dignitaries inaugurated the programme. Dr. Papireddy, Senior Scientist and Head explained about the roles and responsibilities of input dealers in transfer of technology to the farmers. Dr. Narayana Reddy, State nodal Officer highlighted about the purpose and modalities of DAESI programme. 80 participants participated in the programme.



Farmers from Dakshina Kannada district visited ICAR-Krishi Vigyana Kendra on 24.01.2025. Dr. Papireddy, Senior Scientist and Head explained about activities of Krishi Vigyana Kendra. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) explained about integrated farming system. Farmers were taken to different demonstration units like natural farming unit, silkworm rearing unit, dairy, azolla sheep rearing unit etc., 36 farmers visited the KVK.





## KVK Chikkamaḡaluru

### Field Day on Use of Ginger Special in Ginger crop

On January 2, 2025, ICAR-Krishi Vigyan Kendra, Mudigere, Chikkamaḡaluru conducted the field day of “Demonstration of Ginger Special for higher productivity in ginger” at Bharatibailu, Hosahalli village of Mudigere Taluk.

Dr. Suresh Kumara, B., Scientist (Horticulture), KVK Mudigere highlighted that Ginger Special is a crop specific micronutrient formulation and patented research technology is developed by ICAR Indian Institute of Spice Research, Kozhikde, Kerala, India and it consist magnesium (50-150 mg L-1), zinc (200-350 mg L-1), boron (100-300 mg L-1) and iron (0.02%).

It is a water soluble and compatible with simple and complex fertilizers and environment friendly. The farmers were advised to use IISR-Ginger Special @ 0.5% as foliar spray, first spray given 45 days after planting, totally four sprays at an interval of 45 days up to six months. It helps to increases yield 15-25%, it increases the disease resistance in plants, improves plant health, quality, helps in rectifying the nutrient deficiency in the crops. Due to the deficiency of nutrient content in the soil, foliar application of micronutrients is imperative to maintain the plant health to get higher yield

Beneficiary farmer Prasanna B., Hosahalli expressed his opinion and said that Ginger Special a micronutrient formulation given by KVK, Mudigere along with their technical guidance for Ginger cultivation, the cost of production has been reduced and he is expecting an yield of 28 to 30 tones per acre. During this occasion, Dr. Yamuna, G. B., Scientist (Agronomy) was present and the farmers of the surrounding villages got benefited from the program.





## KVK Chitradurga

### State level training programme on Sahi –Fasal Increasing water use efficiency in Agriculture

A training programme on “Sahi –Fasal increasing water use efficiency in Agriculture” was organized by KVK, Chitradurga in collaboration with Atal Bhujal programme, Chitradurga on 20-12-2024 at College of Horticulture, Hiriyyur.

The training programme was inaugurated by pouring water to Jal Kalash by all the dignitaries.

Dr. Kamalesh Kumar Janagid, Team leader, BWUE, New Delhi participated as chief guest in the programme and discussed about Atal Bhujal programme and suggested the farmers to make judicious use of ground water.



Dr. P.K. Basavaraj, Hon’ble Board Member, KSNUAHS, Shivamogga participated in the programme as chief guest and discussed about the problems associated with quality of ground water such as salinity, alkalinity and suggested the farmers to not to extract ground water from deeper depths and also suggested the reclamation methods.

Dr. Suresh D. Ekabote, Dean, College of Horticulture, Hiriyyur presided over the programme and during his presidential address he discussed that Chitradurga belongs to Central Dry zone, which is drought prone area and Sahi- Fasal Increasing water use efficiency in Agriculture, training is an effective measure in educating the farmers about importance of ground water.

During the technical session, Dr. Devaraj Reddy, Geologist, Chitradurga spoke about “Ground Water availability in India and its status in the district and conservation of Ground water”, Dr. Kumara O, Senior Scientist & Head, KVK, Hiriyyur, provided technical information on “Innovative Agriculture & Irrigation practices & crop diversification”, Dr. S. Onkarappa, Scientist (Plant Protection) discussed about “Pest and disease occurrence and its influence in water management”, Dr. Mahantesh, Scientist, Horticulture provided technical information on “Innovative methods of irrigation in Horticulture”, Mr. Vinay, Area Manager, Fylo, Bangalore discussed about application of AI in Agriculture and Dr. Shashidhar, Professor (Agronomy), UAS, Dharwad discussed about “Integrated approaches towards Water use efficiency in Agriculture & efficient Water irrigation methods”.

All the KVK scientists, Technical officers and around 120 farmers and farm women from different taluks of Chitradurga district participated in the programme.



## Training programme on Chickpea crop management

A training programme on crop management in Chickpea was organized by KVK in collaboration with department of Agriculture, Hiriya on 03-01-2025 at Huvinahole, Hiriya taluk.

Dr. Kumar, Senior Scientist and Head, KVK participated in the programme and during his speech he discussed about the recent agronomic practices of chick pea cultivation, new varieties, yield and plant protection measures. He also discussed about the importance of pulse crop in human health, which is a rich source of protein. These crops also helps in management of soil health by biological nitrogen fixation process and there by helps in reducing application of Nitrogenous fertilizers by 20%. He also suggested the spray of 19-19-19 at 30-days after sowing to improve yield and also suggested to adopt nipping at 30-40 days after sowing for getting better flowering and yield.

Mr. Manjunatha, Assistant Director of Agriculture, Hiriya, presided over the programme and during his speech he briefed about the various schemes and programmes of Department of Agriculture. He also discussed about Chick pea is a rabi season crop and more area is covered this year due to good rainfall in rabi season, which has helped for large area coverage.



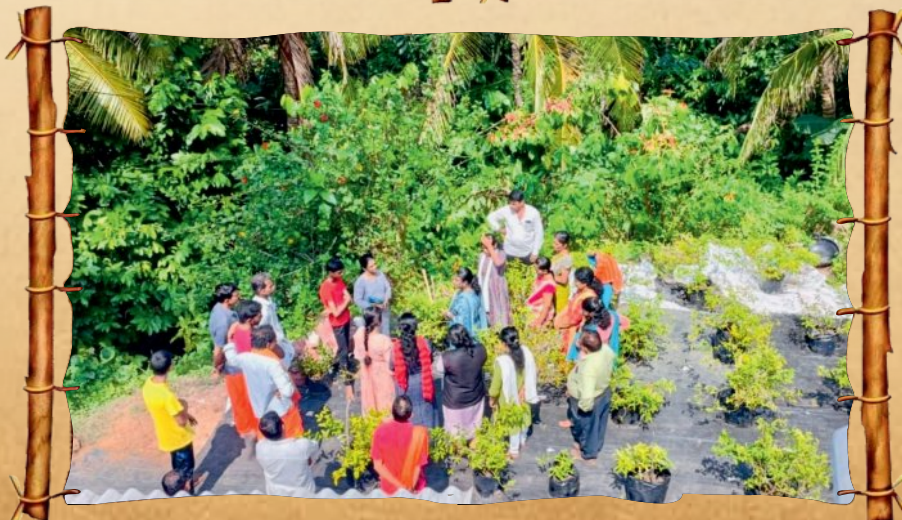


## KVK Dakshina Kannada

### CDP on Cultivation of Udupi Jasmine under TSP programme

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organised capacity development programme on Improved Cultivation Practices in Udupi Jasmine for Scdule Caste farmers under TSP programme at Poonacha, Bantwala taluk . Mr. Krishna Naik, progressive farmer presided over the programme.

Dr. Rashmi, R., Scientist (Horticulture) coordinated the programme and delivered a lecture covering aspects of crop production, importance of soil testing, integrated nutrient management and method demonstration on Jasmine pruning for off season flowering. Dr. Harish Shenoy, Scientist (Agronomy) provided information about natural farming.. Mr. Satish Naik, Programme Assistant (Computer) and 20 farmers were participated in the programme. The participant farmers were provided with Jasmine seedlings.



## Participation in Livestock and Fisheries Expo-2025

On eve of 20th Foundation Day Celebration, Karnataka, Veterinary, Animal and Fisheries Sciences University, Bidar. Organised Jaanuvaaru, Kukkuta and Matsyamela-2025 organised from 17-19th January at its campus premises. The expo was inaugurated by Sri. Eshwar B Khandre. Hon'ble Minister, Forest Ecology and Environment Dept. Programme was presided by honourable Vice Chancellor-Professor K.C.Vereranna, KVAFSU, Bidar. Deputy Commissioner, Deans of Veterinary Colleges, Heads of Livestock Research Information Centres, Developmental Department Officers, Farmers, Farmwomen, School Children participated in the programme. Exhibition Stalls were put to show case technologies pertaining to agriculture, horticulture, livestock and fisheries. More than 350 breeds of livestock ( Cattle, Buffalo, Camel, Goat, Sheep, Donkey , Poultry, Dogs and varieties of ornamental fishes were showcased. Apart from this dog show and Matsya Mela events attracted the mob. Awardee farmers from 31 districts including Mr.Satyanarayan Beleri, Recipient of Padmashree award was felicitated in the programme. More than 1 lakh participants were benefited from this Expo. ICAR-KVK,Dakshina Kannada received first prize for best exhibition stall from the honourable Vice Chancellor & Director of Extension. Dr.T.J.Ramesha, Senior Scientist and Head, Dr.Shivakumar R, Scientist (Veterinary) and Dr. Harish Shenoy, Scientist(Agronomy) participated as resource persons in the programme.





## KVK Davanagere

### 22nd Scientific Advisory Committee meeting

The 22nd Scientific Advisory Committee meeting was held on 15-01-2025 at 10.30 am in ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere under the Chairmanaship of Dr. K.P. Basavarajappa, Secretary, Taralabalu Rural Development Foundation, Sirigere and Ex-Member, Karnataka State Planning Commission, GoK. The programme was initiated with invocation of Devara Dasimayya Vachana and ICAR Song. Mr. Basavangowda M.G., SMS (Horticulture) welcomed the gathering. Dr. D.V. Kolekar, Scientist (Agriculture Extension), ATARI inaugurated the proramme by lighting the lamp.

Dr. Devaraja T.N., Senior Scientist and Head, ICAR-Taralabalu Krishi Vigyan Kendra presented the progress report of last one year and the proposed action plan for the year 2025-26. He also presented the action taken report of last SAC meeting suggestions and the house approved the action taken report. All the participant members appreciated Krishi Vigyan Kendra works and suggested new activities, collaborative works to be carried out by Krishi Vigyan Kendra in the coming days.

Dr. Avinash T.G., SMS (Plant Protection) proposed vote of thanks for all the participants. The programme was concluded with National Anthem.





## KVK Dharwad

### 24th Scientific Advisory Committee Meeting of ICAR-KVK, Dharwad



ICAR-Krishi Vigyan Kendra, Dharwad organized 24th Scientific Advisory Committee (SAC) Meeting on 03.02.2025. Dr. P. L. Patil, Honorable Vice Chancellor, UAS, Dharwad inaugurated the meeting and said that in order to maintain soil health and fertility in the current intensive agriculture, integrated nutrient management, organic use technologies and more soil health campaigns should be organized by KVK. He also said that the KVK, Dharwad is working well and in the future, the necessary technologies of UAS, Dharwad in dairy farming, crop diversification, forestry, horticulture, home science, plant protection and soil management should be implemented through frontline demonstration and on farm trials. Dr. R. Basavarajappa, Director of Extension, UAS, Dharwad in his introductory speech, asked to effectively implement the suggestions and instructions given in the Scientific Advisory Committee meeting. Dr. B. T. Rayadu, Principal Scientist, ICAR-ATARI, Bengaluru, spoke and called for publishing research articles on the activities based on the results of the activities of the center, documenting the success stories of various technologies and creating awareness among farmers about crop-based alternative schemes in the face of increasing climate change. Dr. D. N. Kambrekar, Senior Scientist and Head of the Krishi Vigyan Kendra, presented a complete report on the activities of the center for 2024-25 and the action plan for 2025-26.



Four technology folders were released during the event. An exhibition was organized mainly showcasing the technologies such as chicken hatching machine, various fodder varieties, value-added products of rice, new varieties of fruits and vegetables in horticulture, ghee from indigenous cows by agri-entrepreneur Shri Mahesh Kulkarni, unique fruits, beekeeping products by Shri Veeresh Dharwad and dry coconut kusuri artwork by Shri Jagadish Bavikatti. Dr. B. D. Biradar, Director of Research of UAS, Dharwad, Dr. S. A. Gaddanakeri, Associate Director of Extension (HQ) and Dr. Nagaraju P., Nodal Officer (KVKs) of UAS, Dharwad, Dr. B. S. Patil, Principal Scientist and Scientist In-charge, IARI, RRC, Dharwad, Shri Manjunath Antaravalli, Joint Director of Agriculture, Dharwad, Smt. Jayashree Hiremath, Deputy Director of Agriculture, Dharwad, Shri Mayur Kamble, DDM, NABARD, Dharwad, Officials of Horticulture and Animal Husbandry Department, Shri Milind R. Deshpande, Progressive Farmer and Shri Aravind Katagi, Agri Entrepreneur and KVK staff etc. attended the meeting and gave suggestions for development and activities to be taken for future action plan.



### Radio-Interview by Subject Matter Specialist

Dr. Pallavi T., SMS (Soil Science), ICAR-KVK, Dharwad gave a Radio-Interview programme on 'Use of UASD Compost-culture for decomposing agricultural residues' on 01.02.2025 at Akashvani (AIR), Dharwad. The various aspects of UASD compost culture - its scope and importance, composition, working nature, methods of practice, availability, application rate and advantages over unscientific residue management in achieving soil fertility were discoursed in the interview programme.



**Contributors:** Dr. D. N. Kambrekar, Senior Scientist and Head, Dr. Jayashree Pattar, Scientist (Animal Science), Dr. Pallavi T, SMS (Soil Science) and Smt. Shailaja N. Galagali, Technical Officer (Computer), ICAR-KVK, Dharwad



## KVK Ernakulam

### KVK Ernakulam demonstrates Farm Machinery on ICAR-CMFRI's 78th Foundation Day

As part of the 78th Foundation Day celebrations of the Central Marine Fisheries Research Institute (CMFRI), ICAR-KVK Ernakulam organized a farm machinery demonstration aimed at sensitizing the younger generation to modern agricultural practices and career opportunities in farming. The event sought to inspire students to consider agriculture and allied sectors as viable and rewarding professions, ensuring the sustainability of food production in the coming years.

A total of 2,800 students participated in the event, where experts from KVK emphasized the importance of soil health and demonstrated advanced farm machinery designed to enhance productivity while reducing labor and time. The demonstration provided hands-on exposure to mechanization in modern farming, highlighting its role in sustainable agriculture.

KVK Ernakulam also offers rental services for various farm machinery, making modern equipment accessible to farmers at affordable rates. This initiative is expected to encourage the adoption of innovative technologies and attract more young minds to the agricultural sector, securing the future of food production and rural livelihoods.





## KVK Gadag

### Agricultural Technology Exhibition

ICAR-K.H. Patil Krishi Vigyan Kendra organised District Level Agriculture Technology Exhibition at Kailash Ashram, Hulkoti on 28-01-2025. The exhibition was inaugurated by Shri H.K.Patil, Minister of Law, Justice, Human Rights, Parliamentary Affairs, Legislation and Tourism, MLA & Gadag Dist Incharge in the holy presence of Shri Jayendrapuri Maha Swamiji, Kailash Ashram, Bangalore. On this occasion, Shri D.R.Patil, Chairman, ASF, Hulkoti and Ex-MLA, Shri Taramani L.H., JDA, Gadag, Smt. Spoorti G.S. DDA-1, Gadag, Smt.Nagaratna Balehallimath, President, Gram Panchayat, Hulkoti & Abdul Karimsab U. Tahsildar, Vice-President, Gram Panchayat, Hulkoti were also present. Dr. L.G.Hiregoudar, Advisor, KVK Hulkoti and Honorary Secretary, ASF, Hulkoti briefed about Agriculture Exhibition and Dr. Sudha V. Mankani, Senior Scientist and Head (I/c) organised visits to various stalls.



In the first stall live samples of improved varieties of major rabi crops like Rabi Sorghum, Bengalgram and Safflower were exhibited, these were appreciated by Shri H.K.Patil various technologies and information related to cultivation practices of agriculture & horticulture crops. Organic growers exhibited their farm produce like vegetables, fruits, spices and Jaggery. Soil and Water Conservation Practices, Rejuvenation of Borewell and Openwell, Integrated Farming System,



Micronutrients, Vermicompost, Earthworms were showcased. The information and inputs such as Jeevamruta, Beejamruta, Panchagavya, Neemastra, Brahmastra etc related to Natural Farming and live samples grown under natural farming system by contact farmers and award winning farmers of KVK were exhibited in the second stall. The technologies related to Animal Husbandry like Fodder crops suitable for dryland, Enrichment of Dry Fodder, Mineral lick, Hydroponics etc., were exhibited in third stall. In the fourth stall the technologies related to Farm Women like drudgery reduction equipments, various home products prepared by women entrepreneurs, Nutri-Garden etc., were showcased. The various millets that can be grown under drylands such as Foxtail Millet, Little Millet, Barnyard Millet, Kodo Millet, Bajra, Ragi, etc., were exhibited. The various value added products of millets suitable for daily consumption created an alarming awareness. The visitors expressed their willingness for growing and consumption of millets in their daily diet.

The various agricultural equipment like mini tractor, tractor operated straw mulcher, groundnut digger, chaff cutter, cotton mobile shredder, rotavator, solar nipping machine, onion detopper, spiral separator and various hand tools. The information related to Kissan sarathi, Atal Vayo Abhyuday Yojana (AVYAY) and Community Radio Station (FM-89.6) were disseminated among the visitors.

The various literatures like books, brochures, leaflets and others publications focused on agricultural crops, natural farming and agro-enterprises were exhibited for distribution to farmers, farm women, rural youth and school children. Overall, the agriculture exhibition had a positive impact on the farming community.





## KVK Hassan

### Field Day on Improved Varieties and Animal Health Camp under SCSP Programme

The Krishi Vigyan Kendra, Kandali, Hassan, hosted a field day in Dummennahalli village of Belur taluk under SCSP programme. The event featured demonstrations on improved varieties of Ragi, Avare, Redgram, Cowpea, and Horsegram along with an animal health campaign. Dr. Sadashivamurthy, Assistant Director of the Animal Husbandry and Veterinary Services Department, Belur, inaugurated the event. In his speech, he highlighted the various benefits available to Scheduled Castes and Scheduled Tribes and encouraged them to take full advantage of these opportunities. He also advised farmers to adopt technologies from the KVK and collaborate with experts to enhance their crop yields and increase profits.

Mr. Ansar, Assistant Director of the Belur Horticulture Department, emphasized that farmers should utilize the benefits provided by the department and take advantage of the services available under the Employment Guarantee Scheme. Dr. Nagaraj T., scientist (plant protection), KVK, Hassan advised farmers to apply pesticides at the right time and in the right quantities, while also following necessary safety measures.

Dr. Rajshekhar, a Senior Agricultural Expert from Coromandel International Limited, spoke about the available resources from various departments, including the KVK, Agriculture, Horticulture and Animal Husbandry. He suggested that farmers conduct soil tests every three years and apply nutrients based on the results to achieve better yields.

Dr. Rajegowda, Senior Scientist and Head, KVK, Hassan has presided over the event and during his presidential remarks he advised the farmers to adopt scientific farming methods by consulting the KVK Scientists. He also emphasized the importance of organic farming for maintaining soil health and improving farmers' incomes.

Dr. Pallavi N., the SCSP programme coordinator and scientist, KVK, Hassan gave an introduction and shared that Dummennahalli village was selected as an SCSP village. Over the past two years, the KVK has provided demonstrations on improved varieties and other farming practices, resulting in better yields and higher quality produce. She urged farmers to grow improved varieties for even better outcomes in the future. Further, during the closing phase, progressive farmers Mr. Ravi, Mr. Jeevan, and Mr. Pavan shared their thoughts and experiences. Dr. Shrinivas Deshpande, Scientist (Agricultural Engineering) KVK, Hassan provided insights into modern agricultural machinery.

The event also featured an Animal Health Camp organized by the Belur Veterinary Hospital, where Dr. Rohini, Dr. Shashikumar, Dr. Somashekar, and Dr. Bhanuprakash provided medical treatment to 120 animals and distributed mineral supplements. Approximately 154 farmers and farm women from Dummennahalli village attended the event.





## KVK Haveri

### Training programme on Millet Production, Processing and Market linkage

ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) in collaboration with Sahaja Samrudhi NGO, Haveri organized two days on-campus training programme on Millet production, processing and market linkage at ICAR-Krishi Vigyan Kendra, Haveri during 30.01.2025 to 31.01.2025. Dr. Guruprasad G. S., inaugurated the event and briefed the importance of natural farming and cultivation of different millet crops for sustainable agriculture and livelihood. Shri. Chandrakant Sangur, Director, Bhoosiri Millets Farmers Producer Company Limited urged farmers to cultivate millets and highlighted the Karnataka state government schemes available for the millet growing farmers. He said that incentive of ₹10,000 per hectare to millet farmers under Raithasiri scheme to promote expansion of cultivation area, increase production, and improve productivity. Also, in the newly announced 'Mukhyamanthri Raitha Unnathi Yojane', priority will be given for providing subsidy to Farmer Producers Organisations undertaking processing, grading, and packing of millets at field level. Dr. Siddagangamma K. R, SMS (Agronomy) narrated important cultivation aspects of millets. Dr. Basamma Hadimani, SMS (Plant Protection) briefed about the Major pest and disease management in millets. Dr. Mahesh Kadagi, Scientist (Animal Science) highlighted the importance of dairy in natural farming and briefed the fodder production under natural farming. Dr. Santosh H. M narrated the importance of dry land horticulture. Dr. Akshata Ramannanavar, SMS (Home science) emphasized about the value addition, labelling and marketing of millet value added products and conducted method demonstration on preparation of finger millet chocolate. Mr. Chandrakanth Kotabagi briefed about the weather based agro advisory and e-krisi technology information to farmers. In this programme more than 42 farm women, Sahaja Samrudhi team and KVK staff participated. On this special occasion Sahaja Samrudha, an organisation promoting agro-diversity, has released a unique calendar for 2025 depicting the State's green cuisines.





## KVK Idukki

### Empowering SC/ST Farmers: KVK Idukki & ICAR-IIRR, Hyderabad Initiate Agro-Technological Interventions

The KVK, Idukki, in collaboration with ICAR-IIRR, Hyderabad, inaugurated two schemes aimed at enhancing the livelihood security of ST communities in Adimaly Panchayat through agro-technological interventions in paddy farming and SC communities in Mannankandam village through spice crop cultivation.

The scheme implementation program was inaugurated by Dr. P. Muthuraman, Head & Principal Scientist, Transfer of Technology Department, ICAR-IIRR, Hyderabad, who highlighted the importance of scientific advancements in boosting agricultural productivity. The event was graced by the esteemed presence of Dr. Jeyaraj, Principal scientist, ICAR-IIRR, Hyderabad, who shared valuable insights on sustainable farming, and Mr. Shitanshu Kumar, Chief Administrative Officer, ICAR-IIRR, Hyderabad, who emphasized the institute's commitment to supporting farmers through various initiatives. The program commenced with a warm welcome by Dr. R. Marimuthu, Senior Scientist & Head, KVK Idukki. A detailed explanation of the scheme's objectives and implementation was provided by Dr. Sudhakar S., Subject Matter Specialist (Plant Protection), KVK Idukki. As part of the initiative, essential agricultural inputs such as soil health cards, lime, knapsack sprayers, and bio-inputs were distributed to the beneficiary farmers.

The event concluded with a vote of thanks by Ms. Ashiba A., Subject Matter Specialist (Agronomy), KVK Idukki, who expressed gratitude to all dignitaries, farmers, and stakeholders for their support. These schemes are expected to significantly improve crop productivity, promote sustainable farming practices, and uplift the socio-economic conditions of the SC and ST farming communities in the region.





## KVK Kalaburagi-I

### 22nd Scientific Advisory Committee (SAC) Meeting

ICAR-KVK, Kalaburagi-I conducted 22nd Scientific Advisory Committee (SAC) Meeting held on 17.01.2025. Dr. N. Sivashankar, Director of Extension, UAS, Raichur in his inaugural speech appreciated about KVKs activities and involvement of the line departments as well as farmers and also told that, the KVK's are the light house of knowledge for agriculture and line departments, FPO's and NGO's. So, further asked to collaborate with KVK for transfer of technologies of UAS, Raichur and allied farm universities for the welfare of the farming community. Dr. M. J. Chandregowda, Principal Scientist & Nodal officer, ICAR-ATARI, Bengaluru inaugurated the meeting and asked the members of SAC to give their valuable suggestions for improvement of KVK functioning. Further, told that the suggestions should be science based. At the outset, Dr. Raju G Teggelli, the Member Secretary and Senior Scientist & Head, ICAR-KVK, Kalaburagi-I extended the warm welcome to Chairman and Director of Extension, UAS, Raichur, Hon. Secretary, KKCCI, Kalaburagi, Dean, College of Agriculture, Kalaburagi; Associate Director of Research, ZARS, Kalaburagi; Heads of Department of Agriculture and Allied departments of Kalaburagi district; Krishi Sakhis, Women Self Help Groups, Drone Deedi, Progressive farmers & Agri-Entrepreneur who are SAC members and special invitees attended to 22nd SAC meeting.

In this program, Dr. Zaheer Ahamed, Scientist (Pathology), Dr. Yusufali Nimbargi, Scientist (Agronomy), Dr. Shreenivas, B. V., Scientist (Soil Science) and Dr. Sanmathi Nayak A.T.S., Scientist (Horticulture) presented their work done report and action plan of 2024-25 and noted the suggestions came out for individual scientists. The program, line department's officials, progressive farmers, staffs of KVK, ZARS and College of Agriculture, Kalaburagi were actively participated. The meeting was concluded with vote of thanks by Dr. Raju G. Teggelli, Senior Scientist & Head, ICAR-KVK, Kalaburagi-I. Finally, all the participants sung national anthem.



### Inauguration of III Batch Certificate Course on Integrated Nutrient Management (CCINM) for PACS Secretaries

ICAR-Krishi Vigyan Kendra, Kalaburagi-I in collaboration with MANAGE, Hyderabad, University of Agricultural Sciences, Raichur and the Department of Agriculture, Kalaburagi jointly organized a 15 days Certificate Course on Integrated Nutrient Management (CCINM) III batch on 20.01.2025 for Primary Agricultural Cooperatives Society secretaries for different talukas of Bidar distr. The program was inaugurated by Dr. Raju G. Teggelli, Senior Scientist and Head, briefed about the KVK, mandated activities, importance of PACS Secretaries and the role of trained secretaries in strengthening the agriculture sector and stressed the importance of cooperative societies in managing fertilizers and recommended modern equipment as well as create awareness on agricultural activities especially integrated nutrient management and suggested will make

available the improved technologies of at the door step of farmers. Dr. Shreenivas, B. V, Scientist (Soil Science) highlighting the importance of Integrated Nutrient Management in improving soil health and the use of soil test-based fertilizers. Dr. Yusufali, Scientist (Agronomy) encouraged the trainees to promote organic fertilizers, the use of agricultural waste and residue management, while Dr. Zaheer Ahmed (Pathology) focused on importance of cooperative societies in managing fertilizers and recommended modern equipment like drone sprayers etc.

In this program, Akshata and Akshita anchored, Mr. M. C. Patil, welcomed and Dr. Sanmati Nayak, A.T.S, Scientist (Horticulture) concluded the program with a vote of thanks. The program, attended by 30 Secretaries of Primary Agricultural Cooperative Societies in Bidar district and KVK staffs were actively participated.



### RPL-Skill training for Organic growers

ICAR-Krishi Vigyan Kendra, Kalaburagi-I organised assessment of two days training on ASCI-Recognition Prior Learning (RPL)-Organic growers certification programme for 40 registered and trained organic growers of the district on 28.01.2025. Dr. Pavankumar Rathod assessor from Indore, Madhya Pradesh served as a assessor along with Mr. Pavan Waghare from Ginger testing agency, Hyderabad assessed through theory, viva voce and practical test to the 40 registered and trained organic growers of the district at KVK premises and submitted all the necessary documents and related information successfully. Scientists and KVK staffs were actively participated.



## Exposure visit to KVK

Gulbarga University, College of M.S.W. students and Government High School, Udanoor, Kalaburagi taluka along with staff's exposure visited to ICAR-Krishi Vigyan Kendra, Kalaburagi-I on 29.01.2025. During the programme, Dr. Zaheer Ahamed, Scientist (Pathology) interacted with participants on integrated disease management in field and horticulture crops. Dr. Shreenivas, B. V., Scientist (Soil Science) discussed about importance of soil and water testing in Agriculture also explained about the KVK mandated activities, facilities like QR code based technologies, do scan call scientist service and facilities available at the KVK.

After the programme, participants visited to different method demonstration units of the KVK like, compost, vermicompost, vermiwash, hydroponics, azolla units, poultry unit, rabbit, aquaculture, watershed model, medicinal & aromatic plots, soil testing labs, organic inputs demo, museum, terrace garden, biodiversity park, crop cafeteria, farm pond, farm machinery unit and dairy farm. A total of 25 students and staffs were actively participated and benefitted from the visit.





## KVK Kalaburagi-II

### Field visit to FLD field of grafted Brinjal

On January 17th, 2025, scientists from ICAR, KVK, Kalaburagi-II (Raddewadgi) along with Dr. M. J. Chandregowda (Nodal officer, ATARI, Bengaluru) paid a visit to the Kattisangavi village of Jewargi taluka. FLD was proposed and implemented by Dr. Chethan, T. Scientist(Horticulture), recommended to plant grafted Brinjal along with transplanted seedlings to determine the performance of grafted Brinjal over transplanted. Later, Dr. P. Vasudev Naik. (Senior scientist and Head) interacted and recommended for use of pheromone water traps to control the pest incidence and Dr. M. J. Chandregowda (Nodal officer, ATARI, Bengaluru) appreciated the performance of grafted Brinjal and suggested the farmers to go for the suitable marketing linkages for the higher returns. Farmers have given a very good feedback of grafted Brinjal with respect to growth, yield and less incidence of pest and disease incidence compare to non grafted local varieties which in turns reduced cost of cultivation in grafted Brinjal compare to local non grafted Brinjal.



### 10th Scientific Advisory Committee meeting and Demo units inauguration at KVK, Kalaburagi-II (Raddewadagi)

The tenth scientific advisory committee (SAC) meeting and inauguration of demo units of ICAR KVK Kalaburagi-II (Raddewadagi) was held on 17th January 2025 at KVK Kalaburagi-II (Raddewadagi). Initially inauguration of demo units such as lift irrigation unit, fruit basket orchard, nursery unit, vermicompost unit, campus garden and farmers hostel was inaugurated by the esteemed dignitaries. After the inauguration of demo units, Dr. Vasudev Naik, (Senior Scientist and Head), warmly welcomed the esteemed guests and farmers to the event.

The event was marked by pouring water to the flower pot. The event was presided over by Dr. M. J. Chandregowda (Nodal officer, ATARI, Bengaluru). After that, Dr. Vasudev Naik, (Senior Scientist and Head) briefly explained the 9th SAC meeting recommendations, action taken reports and development works carried out during 2024-25. Later onwards, the esteemed guest, line departments and farmers were given the recommendations for the forthcoming action plans. The whole programme was convened by Dr. N. Sivashankar Director of Extension UAS Raichur. The

same decorum was witnessed by the esteemed guests like Dr. M. M. Dhanoji, Dean, College of Agriculture, Kalaburagi, Dr. M. G. Patil, Progressive farmer and Former VC, UAS Raichur, Sri. Sidramappa Dangapur, President, Zilla Krishika Samaja, Kalaburagi, Dr. Raju B Teggalli, Senior Scientist & Head, KVK Kalaburagi-I, Dr. Umesh Barikar, Extension Leader, AEEC, Nalwar, Dr. D. K. Hadimani, Technical Officer, Directorate of Extension, Dr. D. K. Patil, Extension Leader, AEEC, Bheemarayanagudi, Representing officers from agriculture department, Horticulture department and other line departments, FPO's, university staff, Progressive farmers Sri. Somanathareddy Purma (Kannada Rajyosthava Awardee), Sri. Ogeppa Hosamani (Millionaire farmer awardee), Sri. Parashuram (Millionaire farmer awardee), Sri. Thippannareddy, KVK Scientists, technical staff, trainers, and farmers actively participated in the program. The proceedings of the meeting were recorded by Dr. Chandrakant (Scientist, Soil science). The program was anchored by Dr. Chethan T (Scientist, Horticulture) and the valedictory address was delivered by Dr. Mallappa B. (Scientist, Agronomy).





## KVK Kannur

### Nutri Gardens: A Step Towards Self-Sufficiency and Nutritional Security

Krishi Vigyan Kendra (KVK), Kannur, organized a Nutri Garden Training Programme on 29th January 2025 under the Scheduled Caste Sub Plan (SCSP) initiative. The programme aimed to promote nutritional security and sustainable home gardening practices among the farming community. A total of 20 farmers from Kurumathur Panchayath participated in the event. Sessions were conducted by experts, including Dr. Elizabeth Joseph, Assistant Professor (Community Science), who emphasized the significance of nutritional security, and Smt. Renisha J. M., Assistant Professor (Horticulture), who guided participants on the technical aspects of setting up Nutri Gardens in homesteads. Additionally, Dr. Parvathy A., Assistant Professor (Agricultural Extension), elaborated on the role of Nutri Gardens in ensuring household food security and dietary diversity.



As part of the programme, various planting materials were distributed to the participants to facilitate the establishment of Nutri Gardens. The materials included curry leaf plants, Moringa saplings, Kuttiyattoor Mango grafts, Chekkurmanis and mushroom spawn. These distributions were aimed at encouraging the adoption of Nutri Gardens and promoting the cultivation of nutrient-rich plants in homesteads. Farmers were provided with practical insights into plant selection, soil preparation, and organic management practices to ensure the sustainability of their gardens.

The participating farmers actively engaged in discussions and expressed their appreciation for the programme. Many shared their willingness to establish Nutri Gardens in their homesteads and highlighted the usefulness of the distributed planting materials. They also requested continued technical support from KVK for garden maintenance and crop management. The Nutri Garden Programme at KVK Kannur successfully raised awareness about home-based vegetable and fruit cultivation for nutritional security. The initiative received positive feedback from participants and is expected to contribute to improved dietary practices and sustainable agricultural development in Kurumathur Panchayath. KVK Kannur remains committed to providing further support and training to enhance the effectiveness of Nutri Garden practices among the farming community.





## KVK Kasaragod

### Two-day workshop on sustainable lifestyle empowers 200 school students

ICAR-KVK Kasaragod, successfully organized a two-day workshop on "Sustainable Lifestyle" on January 20 & 21, 2025, for 200 school students from Kasaragod district. The initiative was funded by the Ministry of Environment, Forest and Climate Change (MoEFCC) and supported by EEP Kerala-National Green Corps (NGC) under KSCSTE.

The program was inaugurated by Dr. K.B. Hebbar, Director, ICAR-CPCRI, along with the presence of Dr. Manojkumar T.S., Head, KVK-Kasaragod and Mrs. Susmitha, Student Coordinator, Kasaragod District. The workshop featured five expert lecture sessions and four hands-on laboratory/field demonstrations aimed at fostering awareness on sustainable farming, green technology, and ecological conservation.

The lecture sessions were delivered by distinguished experts, including Dr. Thamban C., Dr. Muralidharan K. (Principal Scientists, Division of Social Science), Dr. Manojkumar T.S. (Head, KVK), Dr. Murlikrishna K. (Senior Laboratory Assistant), Dr. Saritha Hegde (SMS, Social Science), Dr. Vinayaka Hegde (Head, Division of Crop Protection), and Mr. Kiranmoy Patra (SMS, Agronomy). Topics covered included:



- Mandates of CPCRI and Plantation Crops
- Soil and Water Conservation Techniques
- Tissue Culture Techniques
- Indigenous Technical Knowledge (ITK) in Horticulture
- Cutting-Edge Innovations in Horticultural Research with a Focus on Plantation Crops
- Understanding Soils and Soils of Kerala

The laboratory and field visits provided students with hands-on exposure to modern agricultural technologies. They explored CPCRI's innovative coconut-based cropping systems, coconut processing, soil and plant tissue analysis in the Soil Science Lab, tissue culture techniques for plant propagation, and the high-density multistoried plantation model at CPCRI. These sessions were led by Dr. Manikantan M. R. (Principal Scientist, PHT), Dr. Shameena Begum P. P. (Scientist, PHT), Dr. Neelofar Illias Kutty (SMS, Home Science), Mr. Manikandan K. (STO), and Mr. Kiranmoy Patra (SMS, Agronomy) and Mr. Dinesh Kumar (Senior Technician).

Each day, 100 students from 10 different schools, accompanied by their teachers, participated in the program, gaining valuable insights into how a sustainable lifestyle is deeply connected with nature, the environment, and technological advancements in horticulture. Through interactive sessions, they engaged with scientists, subject matter specialists (SMS), and laboratory experts, fostering curiosity and encouraging scientific thinking.

The event concluded with an enriching exchange of ideas, inspiring young minds to adopt sustainable practices and contribute to a greener future.





## KVK Kodagu

### A Field Day on Nutrition Garden: Inspiring farmers to develop their own Poshan Vatika.

A Field Day on “Nutrition Garden” was organized on 13-01-2025 at the blooming nutrition garden of a progressive farmer Mr. Muttappa from Maldare village, Kodagu dist., Karnataka. His efforts in cultivating a nutrition garden for two years have led as an inspiration for fellow farmers surrounding the area. The field day coordinated by Mr. Prabhakara B, Head ICAR-KVK, Gonikoppal and Dr. Mrunal D. Barbhai, SMS (Home Science) ICAR-KVK Gonikoppal, aimed at encouraging participants and farmers to establish their own nutrition garden. The programme had active participation of 35 participants around the village. The nutrition garden established by Mr. Muttappa around his house in an area of 60 x 80 ft., was excellent evidence of using the land efficiently. Vegetables like tomato, chilli, brinjal, beans, radish, ridge gourd, okra, amaranthus, spinach, lemon, coriander, etc., were grown in the nutrition garden.

During the event, Mr. Muttappa shared his experience on growing and maintaining a nutrition garden. He encouraged his fellow farmers to grow their own homestead nutrition garden and highlighted the importance of using locally available resources to maintain the nutrition garden. His story reached the locals and attendees as it was able to demonstrate significant benefit both in terms of nutrition and income, from small efforts taken by him. The KVK experts provided valuable insights on the importance, layout and management of nutrition gardens. In recognition of year-round efforts of Mr. Muttappa, in establishing a nutrition garden he was presented with neem soap packet and bio products for management of pests. Also, a shade net was provided by KVK for management of wild and domestic animals entering his field. The field day served as a meaningful platform for farmers to learn, share experiences, and gain the skill set required to establish their own nutrition gardens after observing the success of their fellow farmer’s well established nutrition garden.





## KVK Kolar

### A Project Council Meeting on the Implementation of the Carbon Credit Framework

A Project Council Meeting on the Implementation of the Carbon Credit Framework was held on 21.01.2025 at ICAR-KVK Kolar, organized by NABARD in collaboration with the State Department of Horticulture and ICAR-KVK Kolar. The event was graced by Shri Ramesh, Director, Department of Horticulture GOK, Sri Umesh Rathod, COO of NABCONS, Sri Sanjay Kumar, VP of NABCONS, DD fruits, DD Kolar, DD Mango Board, Department officials. Around 120 Mango growers from Kolar District were benefited from the programme. During the event it was announced that Kolar District has been selected for a pilot project under the Carbon Credit Framework. The project aims to promote sustainable farming practices, enhance farmers' income through carbon trading, and contribute to environmental conservation. NABCONS and the Horticulture Department will provide technical support, while KVK Kolar will focus on farmer training for implementation. This initiative marks a significant step toward making Kolar a model for climate-smart agriculture.



### SAC-Scientific Advisory Committee Meeting-2025

ICAR-KVK, Kolar organized SAC-meeting at ICAR-KVK, Kolar on 24.01.2025. The programme was inaugurated by Honorable VC, UHS Bagalkot, Dr. Vishuwardhan. The event started with introductory speech by Dr. T. B. Alloli, Director of Extension, UHS, Bagalkot. Dr. Kolekar, Nodel Officer, ATARI, Bengaluru & other officials provided valuable suggestions in the meeting. Dr. Shivanand V. Hongal, SS&H presided over the SAC meeting. Around 30 members from various line departments have represented the SAC meeting with their valuable suggestions.



## Inauguration of DAESI Batch

ICAR-KVK Kolar organized inaugural programme and orientation class for 6th Batch DAESI course of KVK and 8th Batch DAESI course of CoH Kolar on 30.01.2025 at CoH Kolar. The event was inaugurated by Mrs. Suma, M.R., JDA, Kolar. Dr. Narayana Reddy, District Nodal Officer, SAMETI (South zone) from UAS, Bengaluru chaired as chief guest and addressed the students. Dr. Anjanappa, M., Professor (vegetable Science), CoH, Kolar and Dr. Anil Kumar S., Scientist (Soil Science) presided over the programme. The moment was also graced by the batch facilitators Dr. V. Nachegowda, Retd. DR, UHS Bagalkot and Sri. Shashikumar, Retd. Assist. Prof. UAS, Bengaluru. The programme was organized the coordinators Dr. Asha, K.M., and Dr. Anjanappa, M., Around 80 DAESI students both the batches were present during the programme.



## Exhibition

ICAR-KVK, Kolar Participated & exhibited KVK stall in District level organic & Millet Mela, Flower exhibition at District Horticulture Nursery, Kolar from 16.01.2025 to 18.01.2025. The entire scientist team from KVK Kolar exhibited the KVK stall on different dates and suggested the farmers who visited the stall with their queries.



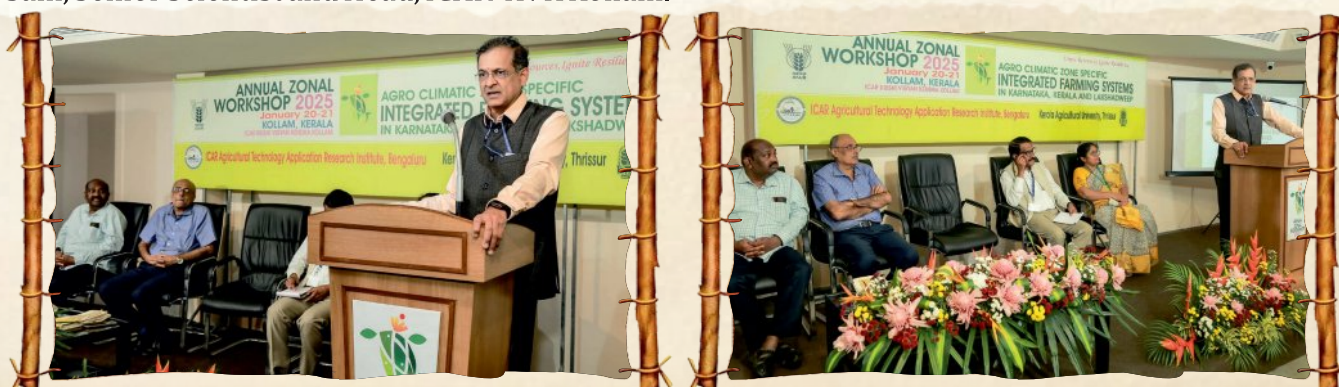


## KVK Kollam

### Annual Zonal Workshop - 2025

The Annual Zonal Workshop - 2025 for the Krishi Vigyan Kendras (KVKs) of Karnataka, Kerala, and Lakshadweep, themed "Agro-Climatic Zone-Specific Integrated Farming System in Karnataka, Kerala, and Lakshadweep," was successfully organized at KVK Kollam from 20th to 21st January 2025. This significant event was a collaborative effort by ICAR-ATARI, Bengaluru, and Kerala Agricultural University, aimed at studying and analyzing the prevailing farming systems in these regions to promote sustainable agricultural practices tailored to agro-climatic conditions.

Dr. D.V.S. Reddy, Principal Scientist and PI of the project, ICAR-ATARI, Bengaluru, extended a warm welcome to the dignitaries and delegates attending the workshop. He emphasized the importance of identifying suitable and sustainable Integrated Farming System models across various agro-climatic zones of Karnataka, Kerala, and Lakshadweep. These models would serve as a valuable reference document for farmers and young individuals entering the agricultural sector. The workshop was inaugurated by Dr. V. Venkatasubramanian, Director of ICAR-ATARI, Bengaluru, who highlighted the importance of context-specific strategies for achieving climate-resilient agriculture. The event was presided over by Dr. Jacob John, Director of Extension, KAU, who emphasized the need for adopting Integrated Farming Systems (IFS) to enhance the livelihoods of small and marginal farmers. Dr. B. T. Rayudu, Principal Scientist, ATARI Bengaluru, also delivered felicitations, adding his insights to the programme. The vote of thanks was proposed by Dr. Bini Sam, Senior Scientist and Head, ICAR-KVK Kollam.



A notable highlight of the event was the release of the Special Edition of "KVK Times (2020–2024)" compiled and edited by KVK, Tumkur 2. under the SCSP programme, which showcased the achievements and contributions of KVKs in improving the socio-economic conditions of farmers in these regions. Alongside, other extension publications viz. leaflets 5 nos focused on small farm mechanization and a booklet on Natural Farming prepared by KVK Kollam were also released to support knowledge dissemination among stakeholders.

The workshop featured technical sessions where Dr. D. V. S. Reddy, Principal Scientist and Principal Investigator of the IFS Project at ATARI Bengaluru, and Dr. B. T. Rayudu, Principal Scientist from ATARI, played key roles in evaluating the Integrated Farming System (IFS) presentations from 16 Agro-Climatic Zones (ACZs) of Karnataka, Kerala and Lakshadweep. Experts from prominent research institutions, including the Integrated Farming System Research Station (IFSRS), Karamana, Farming Systems Research Station (FSRS), Sadanandapuram, and On-Farm Research Centre (OFRC), Kayamkulam, provided critical insights and constructive feedback on the zone-specific presentations.



The lead KVKs from each Agro-Climatic Zone meticulously compiled data from their respective partner KVKs and presented a comprehensive analysis of farming systems, highlighting success stories, challenges, and innovative practices adopted in their zones. These presentations served as a platform for peer learning and cross-regional collaboration.

The two-day workshop witnessed the enthusiastic participation of 75 delegates. The deliberations and discussions focused on strengthening the Integrated Farming System approach to maximize resource use efficiency, enhance farm productivity, and ensure sustainable rural livelihoods.

The workshop concluded with a valedictory session, during which participants expressed their appreciation for the well-organized program and the collaborative efforts of KVK Kollam, ICAR-ATARI, and KAU in addressing the region-specific agricultural challenges. The vote of thanks was proposed by Dr. B. T. Rayudu, Principal Scientist, ATARI Bengaluru, who acknowledged the contributions of all participants, organizers, and stakeholders, emphasizing the need for continued collaboration to address regional farming challenges effectively.

Recommendations were made to scale up successful IFS models and ensure their widespread adoption by farmers across the regions of Karnataka, Kerala, and Lakshadweep.





## KVK Koppal

### Millet and organic mela

Organic farming reduces pollution in the air, water, and soil. It also helps to conserve water and reduce soil erosion. It helps maintain the environment, improves soil health, and produces healthy food. It also helps to reduce pollution and the use of chemicals. Millets are important in India because they are a nutritious, sustainable, and culturally significant food source. They are also a key part of the Indian diet. Department of Agriculture, in association with Zilla panchayat, Koppal in association and ICAR Koppal organised millet and organic mela in Koppal district. The programme was inaugurated by honourable minister Sri Raghvendra Hitnal and addressed about the importance of the organic farming. He also encouraged the farmers not only to grow native millets and also to consume. Sri Ratnam Pandey CEO Zilla panchayat explained the importance of millets. Initiated the consumption of millets in government programme and office meetings. Honourable board member Sri Thimappa Chavadi UAS.Raichur explained about importance of organic farming. Sri Rudrappa JDA,KSDA,Koppal explained about the different government programmes for organic farming and millet cultivation. Dr Raghvendra Yaligar Senior scientist and Head, Koppal explained about different technologies of organic farming. Dr Kavitha Y Ullikashi Scientist (Home Science) explained nutritional significance, processing and value addition to millets. Different publication and leaflets related to organic farming and millet were released during programme. More than 2000 farmers and farm women were participated in the programme.



### Training programme on ICM in Guava

ICAR KVK Koppal along with JSW Ballari organized training programme on ICM in guava for Kanakchal FPO farmers of Navali Village. The programme was inaugurated by Dr. Raghvendra Yaligar Senior scientist and Head, Koppal explained about different pest incidence and their management. Dr. Jyothi. R., Scientist (Horticulture) explained about inter crop management and different varieties of the Guava suited for Koppal district. Smt. Revathi Scientist (Plant Pathology) explained about different diseases of guava and their management. Sri Raghavendra Field Officer JSW explained about different government schemes for horticulture crops. More than 100 farmers were benefited from the programme.





## KVK Kottayam

### Farmer Training Programme on Safe Use of Pesticides

Krishi Vigyan Kendra Kottayam, in collaboration with Hindustan Insecticides Ltd., organized an awareness program on the safe use of pesticides on 28.01.2025. The event was conducted in two sessions. The morning session was attended by more than 200 farmers. The afternoon session was attended by staff from Krishi Vigyan Kendra, Regional Agricultural Research Station, and the Agriculture Department. The programme covered essential safety measures to be followed during the purchase, storage, and application of pesticides. A demonstration on the proper use of safety wear and equipment was also conducted. Safety kits were distributed to the participants.



### Training on nursery management

Training on Nursery management for farmers working under the MGNREGS groups of Erattupetta block was conducted on 27.01.2025 at Poonjar Thekkara panchayath. Fifteen farmers participated in the training programme. Hands on training given on potting mixture preparation, grow bag filling, seedling raising in protrays and plant propagation methods. Also preparation of organic inputs and bio control agents were demonstrated. Integrated pest and disease management aspects in fruit and plantation crops were also dealt with during the session.





## KVK Kozhikode

### Capacity development programme for SC farmers

A block level, one day capacity development programme on “Recent advances in the production technology of vegetables” was conducted on 24.1.2025 at Mokeri, Kozhikode. Smt. K P Chandri, President, Block panchayat, Kunnummal, Kozhikode inaugurated the programme. The programme was sponsored by ATMA, Department of Agriculture. A total of 72 SC farmers attended the programme. Vegetable seeds, seedling, manures etc. were also provided to the participating farmers. The training programme was led by Dr.P.S. Manoj, SMS (Horticulture).



A one day capacity development programme on “Apiculture” was conducted on 27.1.2025 at NICRA village Kothode, Kozhikode under NICRA SCSP programme. A total of 10 SC farmers attended the programme. The training programme was coordinated by Dr.K.K Aiswariya, SMS (PP) and Ms. Athira KV, SRF, NICRA.





## KVK Lakshadweep

### Workshop-cum-Stakeholder Meet on Animal Genetic Resources of Lakshadweep

The KVK-Lakshadweep in collaboration with ICAR-National Bureau of Animal Genetic Resources (ICAR-NBAGR), Karnal, organized a Workshop-cum-Stakeholder Meet on Animal Genetic Resources of Lakshadweep (UT): Strategy for Documentation and Sustainable Management on January 9, 2025, at Kavaratti. This event was part of an ongoing project initiated in April 2024 titled “Zero ND in AnGR” and was followed by a two week-long survey and stakeholder meetings across Kadmat, Amini, Kiltan, and Chetlat islands. The workshop was attended by key stakeholders, including KVK-Lakshadweep Subject Matter Specialists (SMS), scientists from ICAR-NBAGR, the Secretary of Agriculture, Fisheries, Animal Husbandry, Environment & Forest, and Science & Technology, UT of Lakshadweep, as well as livestock keepers. The event marked a significant step in preserving and promoting Lakshadweep’s Animal Genetic Resources (AnGR). Around 50 livestock keepers from across Lakshadweep, engaged in rearing goats, cattle, and poultry, were felicitated during the event. The Chief Guest Dr. Raghavendra Bhatta, Deputy Director General (Animal Science), ICAR, New Delhi, released a documentary video about the animal genetic resource of Lakshadweep and emphasized the importance of conserving Lakshadweep breeds also highlighted the importance of such initiatives in sustaining the biodiversity of island regions. Additionally, he promised ICAR’s support in providing livestock feed through KVK-Lakshadweep. Dr B P Mishra, Director, ICAR-NBAGR, Karnal, discussed the activities and achievements under the mission to achieve zero ND in AnGR of India, with a particular focus on native goat population of the Lakshadweep islands. Scientists from ICAR-NBAGR and specialists from KVK-Lakshadweep also engaged in discussions with farmers, addressing their concerns and providing expert guidance. Medicines and nutraceutical supplements supplied by ICAR-NBAGR were distributed to farmers. Along with this a strategy paper on ‘Animal Genetic Resources in the Union Territory of Lakshadweep: Strategy for Sustainable Management’ was released by key stakeholders. Dr. V.M. Abdul Gafoor, SMS (Animal Science), KVK-Lakshadweep, concluded with a strong emphasis on the sustainable management and conservation of Lakshadweep’s unique animal genetic resources





## KVK Malappuram

### EDP Training on Value Addition in Coconut for Income Enhancement

An Entrepreneurship Development Programme (EDP) on “Enhancement of Income from Coconut through Value Addition” was conducted on 3rd January at KVK Malappuram, followed by an intensive hands-on training session at RARS Pilicode, KAU, on 4th January 2025. The Community Science Assistant Professor Dr.Lilia Baby coordinated the programme. A total of 15 participants, including aspiring entrepreneurs and farmers, actively took part in the training.

The training focused on value addition in coconut to enhance farmers' income and promote sustainable utilization of coconut produce. Practical demonstrations were conducted on the preparation of desiccated coconut, coconut laddu, coconut chutney powder, coconut water syrup, virgin coconut oil (VCO), and coconut chips. Participants were also familiarized with various food processing equipment suitable for coconut-based product development, helping them understand the commercial viability of value-added coconut products. The programme provided hands-on experience, technical guidance, and market insights to empower participants in coconut-based entrepreneurship, encouraging them to establish small-scale processing units for better income generation.



### Empowering Tribal Farmers: Scheduled Caste Training on Nutri-Garden at Pothukallu

ICAR-KVK Malappuram, in collaboration with Krishibhavan Pothukallu, conducted a Scheduled Caste Training on Nutri-Garden at Pothukallu, Malappuram on 10th January 2025. A total of 30 farmers from the tribal community actively participated in the programme. Dr. Lilia Baby, Assistant Professor (Community Science), led a session on the importance of homestead nutri-gardens, emphasizing their role in enhancing household nutrition and food security. Dr. Akhil Raj, Assistant Professor (Horticulture), provided practical guidance on the preparation and maintenance of nutri-gardens at home.

As part of the programme, participants were provided with Nutri-Garden Kits, which included seeds, bio-inputs and a book on vegetable cultivation, equipping them with the necessary resources to establish their own home gardens.



## Training on Composting, Organic Manures, Chemical Fertilizers, and Nutrient Management for Scheduled Caste Farmers

The Krishi Vigyan Kendra (KVK) in Malappuram concluded a highly informative and practical one-day training programme on 18th January 2025 focused on compost preparation, organic manures, chemical fertilisers and nutrient management. The training, held under the Scheduled Caste Sub Plan (SCSP) programme, was designed to equip Scheduled Caste farmers with essential skills in the topic. The subject matter specialist (SMS) in Agronomy, led the sessions, providing both theoretical knowledge and hands-on experience. The program aimed to enhance the cultivation practices of the participating farmers, ensuring they gain the expertise needed to improve their livelihoods and agricultural productivity. The training program received positive feedback from the participants, who appreciated the comprehensive approach that combined both theoretical learning and practical application. Many expressed their gratitude for the opportunity to enhance their skills, which they believe will contribute significantly to their farming practices and overall income.



## Empowering Future Agrarians: A Dynamic KVK Attachment Experience for RAWE Students

The Krishi Vigyan Kendra (KVK) Attachment Module for Rural Awareness Work Experience (RAWE) students of the College of Agriculture, Vellayani, was successfully conducted at KVK Malappuram. Led by Dr. Jasna V.K., Subject Matter Specialist (SMS) in Agricultural Extension, the module provided practical exposure to KVK's activities, including technology assessment, frontline demonstrations (FLD), on-farm trials (OFT), and training programmes. Students were introduced to the organizational structure, special programs, and extension interventions of KVK, gaining insights into various disciplines such as animal sciences, home science, horticulture, agronomy, and entomology by SMSs of the concerned disciplines.

A key highlight of the module was hands-on training in conducting farmer training programmes, specifically on mushroom cultivation. Additionally, students visited demonstration units and field plots supervised by Ms. Keerthi, Farm Manager, and students interacted with FLD and OFT farmers to understand the impact of technology adoption as well. The module proved to be a valuable learning experience, enhancing students' understanding of agricultural extension methodologies and preparing them for future roles in the agricultural sector.



## ICAR Annual Zonal Workshop 2025 on Strengthening Integrated Farming Systems in Karnataka, Kerala and Lakshadweep

The Annual Zonal Workshop 2025, organized by ICAR-KVK Kollam in collaboration with ICAR Agricultural Technology Application Research Institute (ATARI), Bengaluru, and Kerala Agricultural University (KAU), Thrissur, was held on January 20-21, 2025, at Hotel Golden Star, Kollam. Themed "Unite Resources, Ignite Resilience", the workshop focused on agro-climatic zone-specific Integrated Farming Systems (IFS) for Karnataka, Kerala, and the Union Territory of Lakshadweep.

The workshop aimed to analyze location-specific IFS models, assess their profitability and sustainability, evaluate technological interventions, and identify resource gaps. Lead KVK of Northern zone of Kerala, KVK Kannur presented innovative methodologies and challenges in farming systems of the zone which includes Malappuram district. Before the technical session, Dr, Priya G. Nair, Programme Coordinator, KVK Malappuram introduced a progressive farmer, Mr. Jishoy from Malappuram district to demonstrate his self-made device on scaring pigs from farmers' fields. The workshop successfully identified technology gaps, resource constraints, and farmer capacity needs, paving the way for sustainable and profitable farming in the region. The event reinforced ICAR's commitment to strengthening IFS models for climate-resilient agriculture.





## KVK Mandya

### Field day on “Demonstration of Yard long bean variety “Arka Mangala”

ICAR-KVK,VC Farm, Mandya organized field day on “Demonstration of Yard long bean variety Arka Mangala” at B. Hullukere on 23.01.2025 at Mr. Pavan’s field. Dr. Divya .B., Scientist (Horticulture) welcomed gathering and explained importance and scope of growing Yard long bean at local market. She also emphasized premium character of Arka Mangala Yard long bean variety developed by Indian Institute of Horticulture sciences, Bangalore. The plant protection scientist of KVK, V.C Farm, Mandya Dr. Pavithra, S briefed about consequences of indiscriminate use of pesticides and explained the importance and need of integrated management approaches to overcome ill effect of chemical farming emphasizing on use of bio agents application and plant based pesticides. Extension personnel from the department of horticulture explained about subsidies available for use of bio-agents, botanicals, and area expansion of this variety in their departments. Finally Mr. Pavan who has grown Arka Mangala successfully in his farm felt happy about the performance of variety and the profit obtained from it. He insisted other farmers to follow ICM strategies and to adopt this yard long bean variety in cultivation to get more success. Around 55 farmers/farm women, extension personnel from department of Horticulture, progressive farmers from the village had attended the field day and made programme successful.



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## KVK Mysuru

Technology Week (25-31 January 2025)



ICAR JSS Krishi Vigyan Kendra, Suttur organized Technology Week (Krishimela 2025) during January 25 to 31, 2025. The technology week was inaugurated by Shri N. Chaluvanarayana, Minister for Agriculture, Govt. of Karnataka in the divine presence His Holiness Jagadguru Sri Shivratri Deshikendra Mahaswamiji, other Pontiffs and other dignitaries.

Technology Week (Krishimela) is popularly known as "Krishi habba". This year's Krishi Mela was organized under the theme 'Precision farming for sustainable agriculture to create awareness about latest technologies adopted in agriculture by using IoT (Internet of Things) among the rural folk.



### Live crop demonstration:

The Krishimela demonstrated to grow almost all crops in drip irrigation management technologies such as automation in irrigation, drip irrigation and sprinkler irrigation etc., Also, it was shown that cereals, pulses, especially paddy, which is the main crop of this region, can be grown under drip irrigation system. Demonstrations of traditional and modern farming practices were arranged to introduce farmers to important technologies in the field of agriculture. More than 250 crops such as cereals, pulses, oilseeds, other sources of agricultural income such as cash crops, fodder crops, various fruits, hydroponics under soilless farming, and horticulture crops including exotic vegetables, flower crops in shade house, sericulture were displayed.

### Expo of diversified Horticulture Crops:

Under horticulture section, various vegetable crops, exotic vegetables, leafy vegetables, flower crops in different layouts were showcased.

### One Acre IFS Model:

Integrated sustainable farming model at low cost keeping in mind the sustainable livelihood of small and micro farmers, through the self-sustainable concept of 'Krishi Brahamanda' in One acre. A total 121 crops have been shown in one acre model demonstration. The four new varieties of red rice varieties under drip irrigation, fodder crops, millet, pulses, oilseed crops, medicinal plants, various green leafy vegetables were grown.

### Livestock:

The display of desi breeds of cows (Punganoor, Kankrej Etu, Saiwal etc.,) and also Bandur sheep, goat and chickens were showcased in the Krishi Mela livestock section. Tilapia fish breeds that can be reared by the farmers were displayed. More than 25 fodder crops were exhibited in front of the livestock demonstrations to know-how the varieties and use of fodders.

### Agri Expo :

Agriculture, horticulture and veterinary universities, agricultural research institutes, various line departments, self-help groups, non-governmental organizations, manufacturers of agricultural implements, distributors etc. participated in Krishimela. Around 103 stalls arranged to display their materials. They have provided necessary information in the agricultural exhibition for the farmers. Arrangements were made for the display and sale of various new agricultural machinery to facilitate agriculture in mechanization.



### Seminar :

An agriculture symposium on Precision farming for sustainable Agriculture was organized. Dr. Mahantesh B. Patil delivered a lecture on Sensory Based Plant Protection in Horticultural Crops, Sri. Vinod Sundram delivered a lecture on precision farming in fruit crops, Sri. Narasimhamurthy Kattimani delivered lecture on management of groundwater based agriculture irrigation and Sri. Suresh Balnadu delivered a lecture on precision farming in field crops. More than 2000 farmers/farmwomen and were participated in the seminar



### Felicitation to farmers:

The 12 progressive farmers and 5 progressive farm women were facilitated for promising yield gained in different crops and enterprise during the seminar by Deputy Leader of Opposition Legislative Assembly Sri. Aravinda Bellad and other dignitaries.



### Rangooli and Sobane Competition:

For rural women folks Rangooli and Sobane competition was organized. More than 200 actively participated in the programme.



## Special Attraction

### Precision Farming

Monitoring, surveying and mapping crops using IoT – Internet of Things technology and rational farm management to save both time and money are demonstrated.



### Biochar (Biochar Demonstration)

Biochar is a solid material derived from the carbonization of biomass. With the aim of improving soil functions. Biochar can be added to soil and reduce emissions from biomass that naturally decomposes into greenhouse gases.



### Sugarcane Harvesting Machine

Arrangements have been made to demonstrate the sugarcane harvesting machine with the aim of introducing it to the farmers of this region. Sugarcane harvesting machine. 2 to 3 acres of sugarcane can be harvested in a day. Cost will be reduced by 45%. Harvesting at ground level yields 2 tons more per acre.



### Organic Jaggery

Somasekhara Gowda of Bevinahalli in Mandya district grinds sugarcane, cooks it and sells various types of organic jaggery at the demonstration site is a major attraction from the rural folk and others.



### Drone Demonstration

Agriculture drone has been demonstrated for the rural folk and provide necessary information of nano fertilizers and usage of pesticides through drone.





## KVK Palghat

### RAWE Program at KVK Palakkad

The final-year agricultural students of Agricultural College, Vellayani underwent their Rural Agricultural Work Experience (RAWE) program at Krishi Vigyan Kendra (KVK) Palakkad (from 20/1/2025 to 24/1/2025). In that program they actively engaged in various agricultural extension activities. As part of their learning, they prepared informative leaflets on Honey bee farming, tissue culture banana cultivation, diseases affecting banana, and value addition of banana. The students also conducted training sessions for farmers on best practices in banana cultivation. Additionally, they had the opportunity to visit and interact with numerous progressive farmers from both agricultural and veterinary fields, gaining insights into innovative farming techniques. During their visits to paddy fields, they interacted with farmers to collect traditional knowledge on paddy diseases and their control measures. An insightful visit to a temporary bund constructed in the Bharathapuzha (River) for cultivation further enriched their practical understanding of water management in farming. This hands-on experience significantly enhanced their agricultural knowledge and strengthened their connection with the farming community.



### Training on the Farmer Field School Approach

Two farmer field school training sessions on weed and fertilizer management for rice crop were held in Pattithara Panchayat, Palakkad district, on January 18th and 28th, 2025. Dr. Savitha Antony (Assistant Professor, College of Agriculture, Vellanikkara) led the weed management session, and Dr. Moosa P.P. (Assistant Professor, Regional Agricultural Research Station, Pattambi) led the fertilizer management session. During the sessions, the scientists visited the fields, identified problems faced by the farmers, and provided helpful suggestions for addressing these issues.





## KVK Pathanamthitta

### Livelihood enhancement through poultry farming.

Aiming to enhance the livelihoods of marginalized communities, a targeted intervention was implemented in Naranamoozhy and Ranni-Perunad Panchayats of Pathanamthitta district under the Scheduled Caste Sub-Plan (SCSP) and Tribal Sub-Plan (TSP) initiatives of KVK, Pathanamthitta. This initiative focused on backyard poultry farming and poultry health management to ensure economic upliftment and nutritional security.

A total of 77 beneficiaries were selected with 42 under the SCSP plan and 35 under the TSP plan. Each beneficiary received 10 BV 380 breed poultry birds, known for their high egg production. The distribution took place on 23rd, 24th, and 27th January 2025. To improve poultry management, hi-tech cages were provided under the SCSP plan, ensuring better housing, hygiene, disease prevention and overall productivity.

As part of the TSP 2024-25 interventions, an Animal Health Camp was conducted on 23rd January 2025 in Kurumbanmoozhy ward of Naranamoozhy Panchayat. The camp provided nutritional supplements to enhance bird health and egg production while offering expert consultations on disease management, feeding practices, and hygiene measures. Awareness sessions on scientific backyard poultry rearing were also conducted to promote better productivity and sustainability. By integrating poultry farming with improved health management practices, this intervention is expected to create a sustainable source of income, improve nutritional intake, and contribute to financial stability for the beneficiaries.



### ICAR-NBAIR support for capacity building and input distribution programme to Strengthen the Livelihood Security of SC Population in Pathanamthitta district

KVK Pathanamthitta in collaboration with ICAR-National Bureau of Agricultural Insect Resources (NBAIR), organized a series of capacity-building programmes aimed at enhancing the skills and livelihoods of Scheduled Caste (SC) beneficiaries. A total of 96 beneficiaries from Vadasserikkara and Ranni-Perunad Panchayat in Ranni Block, Eraviperoor Panchayat in Koipuram Block, and Erathu Panchayat in Parakode Block participated in



these training sessions, which covered various topics, including poultry farming, mechanized coconut climbing, biological control of pests and diseases in agricultural crops, value addition in Jackfruit and beekeeping. The programme was launched at Erathu panchayat by Shri. Chittayam Gopakumar, The Hon'ble Deputy Speaker of Kerala which followed subsequent events.

The training on poultry farming focused on scientific rearing practices, disease management, and cost-effective feeding strategies to help participants establish sustainable poultry units. The mechanized coconut climbing programme introduced modern climbing devices, improving safety and efficiency for coconut farmers. Sessions on biological control of pests and diseases educated farmers on eco-friendly alternatives to chemical pesticides, promoting sustainable agricultural practices. The value addition in Jackfruit training provided insights into processing Jackfruit to enhance its market value, enabling farmers to increase their income. Beekeeping training covered essential aspects such as colony management, honey extraction and disease prevention, encouraging the adoption of beekeeping as a supplementary income source.

As part of the programme, essential inputs were distributed to beneficiaries to facilitate the practical application of the knowledge gained. Poultry birds with cages were provided to support small-scale poultry farming, while bee boxes with colonies were given to those interested in beekeeping. Additionally, bio-inputs from ICAR-NBAIR such as *Trichoderma asperellum*, *Pseudomonas fluorescens*, *Metarhizium anisopliae*, *Beauveria bassiana*, *Lecanicillium fusiforme*, *Bacillus subtilis*, were distributed to promote the use of biological pest control methods. These bio-control agents are known for their effectiveness in managing insect pests in crops, reducing the reliance on chemical pesticides, and fostering sustainable farming practices. This initiative is expected to create significant impacts by improving the economic stability of SC beneficiaries, reducing production costs through sustainable practices, and encouraging entrepreneurship in poultry farming, beekeeping, and value addition. By equipping farmers with modern techniques and essential inputs, KVK Pathanamthitta, in collaboration with ICAR-NBAIR contributed immensely in supporting the sustainable agricultural development in the district, particularly benefiting the SC communities in Vadasserikkara, Ranni-Perunad, Eraviperoor, and Erathu panchayats.





## KVK Raichur

### "RAWE Students' Exposure Visit to KVK Raichur: Insights into Modern Agricultural Practices"

The exposure visit of final year B.Sc Agriculture graduates students RAWE students from the College of Agriculture Gangavathi to KVK Raichur provided an invaluable learning experience, with a comprehensive tour of various specialized facilities. The students visited the Pesticide Formulation Testing Lab and the Pesticide Residue and Food Quality Analysis Laboratory, where they gained insights into the safety and quality control of agricultural products. They also explored the Organic Farming Research Center and Vermicomposting unit, learning about sustainable farming practices. The Bio Control Laboratory and Sericulture Unit showcased eco-friendly pest control methods and silk production techniques. Students further enhanced their knowledge by visiting the Hydroponic Centre, where they learned about soil-less farming, and the Vacuum Packaging Laboratory, which demonstrated advanced preservation techniques for agricultural products. The visit to the Integrated Farming System (IFS) and Millet Processing Plant emphasized the importance of diversified farming, while the Value Addition unit demonstrated how to enhance the economic value of agricultural products. Overall, the exposure visit was a comprehensive experience, providing the students with practical insights into various modern agricultural practices and technologies.





## KVK Ramanagara

### On campus capacity building programme on “Automation and precision agriculture for irrigation and fertigation in vegetable crops”

ICAR-KVK Ramanagara in collaboration with Precision Farming Development Centre, Department of Horticulture, GKVK, Bangalore organized one day training programme on “Automation and precision agriculture for irrigation and fertigation in vegetable crops”. The training programme was inaugurated by lighting the lamp. Dr. Rajendra Prasad, B. S. Scientist (Plant Protection), welcomed all the dignitaries and farmers to the programme. Dr. Sriram B. N. Retired Professor, Department of Horticulture, College of Agriculture, GKVK, Bangalore inaugurated the program and highlighted that farmers should adopt sensor-based automatic irrigation technology to save water and its importance, thereby increasing crop production and quality. Mr. Nazim, Assistant Horticulture Officer, Horticulture Department, Magadi, explained the importance of drip irrigation and sprinkler technology and informed the farmers about the facilities provided by the Central and State Government for the same. Dr. Lata. R. Kulkarni., Senior Scientist and Head, Krishi Vigyan Kendra, Chandurayanahalli, Ramanagara District, addressed the program and informed the farmers about new technologies such as sprinkler and automatic irrigation and advised them to implement them and get benefits from them. Dr. Srinivasappa. K. N., Professor, Precision Farming Development Centre, Department of Horticulture, GKVK, Bangalore, presented the introductory speech and provided useful information to the farmers about various irrigation systems, automatic irrigation and various sensors used in irrigation, their use and benefits. Dr. Deepa Poojar., Scientist (Horticulture), Krishi Vigyan Kendra, Chandurayanahalli, Ramanagara District, explained the importance of water saving technologies in horticulture crops in this program. Dr. Rajendraprasad B. S., Scientist (Plant Protection), Krishi Vigyan Kendra, Chandurayanahalli, Ramanagara District, provided information about integrated pest and disease management in horticulture crops and application of pesticides and herbicides through drip irrigation. More than 30 farmers and farmer women participated in this training program and were benefited.





## KVK Trissur

### Launch of Kisan Samridhhi mobile app

The Sustainable Agriculture & Food Processing Growth Summit & Expo 2025: A Collaborative Endeavour for Kerala's Agro-Industrial Advancement organized by Kerala Agro Business Company Limited (KABCO), the Department of Agriculture, Government of Kerala, the Ministry of Food Processing, Government of India, and the Associated Chambers of Commerce and Industry of India (ASSOCHAM), was held on January 17th and 18th, 2025, at the Kerala Agricultural University campus in Vellanikkara, Thrissur. The summit featured institutional partners, including ICAR-ATARI Bengaluru and Kerala Agricultural University, with Grant Thornton serving as the knowledge partner. Dr. V. Venkatasubramanian, Director of ICAR-ATARI Zone XI, inaugurated the event and addressed the audience, marking the occasion with the launch of the Kisan Samridhhi mobile app. The team from KVK, Pathanamthitta, was honored during the ceremony as an appreciation for their relentless effort in developing the mobile app. The event brought together diverse stakeholders, including representatives from government bodies, the food processing industry, farmers, Farmer Producer Organizations (FPOs), agricultural scientists, academia, and entrepreneurs. It served as a platform for deliberations on the strategic vision, investment prospects, and collaborative efforts necessary to unlock Kerala's agricultural potential. Key highlights included:



- Panel Discussions and Workshops: Featuring progressive farmers, entrepreneurs, and representatives from various KVKs, these sessions provided valuable insights into sustainable practices, innovation, and growth opportunities in agriculture and food processing.
- Exhibition: A showcase of cutting-edge innovations, technologies, and opportunities in the agriculture and food processing sectors. KVKs from Kerala and Lakshadweep were allocated 10 stalls to display their contributions, alongside entrepreneurs who highlighted their unique products.



## Empowering VHSE Students with Practical Expertise through On the Job Training (OJT)

The On-the-Job Training (OJT) programme for Vocational Higher Secondary Education (VHSE) students, organized in collaboration with the Kerala Agricultural University (KAU) and the Directorate of Vocational Higher Secondary Education, Kerala, is a week-long initiative designed to enhance students' practical skills and theoretical understanding of modern agricultural practices. This initiative bridges classroom learning with hands-on experience, equipping students with essential competencies for the agricultural sector.



At KVK Thrissur, the OJT program was conducted from January 20–25, 2025, involving 47 students from Government VHSE, Pudukkad, across two courses: Vegetable Grower and Gardener. The training covered essential topics such as weed management, irrigation techniques, soil health management, nursery management, and integrated pest and disease management. Participants engaged in practical activities, including land preparation, field layout, organic manure application, planting, mulching, manual weeding, and irrigation. They

also gained hands-on experience in preparing Trichoderma-enriched farmyard manure, coir pith compost, potting mixtures, and nursery & field management practices.

Students were introduced to advanced agricultural techniques and tools, including mechanical equipment like brush cutters and coconut climbers, which received positive feedback. Training in modern mushroom cultivation further added to the practical skill set of participants. The program also included visits to prominent research and training facilities, offering students insights into advanced agricultural research and innovations.

By combining theoretical knowledge with practical expertise, the OJT program at KVK Thrissur provided students with a holistic understanding of contemporary agricultural practices, empowering them to pursue promising careers in the agricultural sector.





## KVK Trivandrum

### Awareness Campaign on the "Importance of Soil Analysis".

ICAR Krishi Vigyan Kendra (KVK), Mitraniketan, Thiruvananthapuram, organized a comprehensive Awareness Campaign on the "Importance of Soil Analysis". The event aimed to educate farmers, agricultural stakeholders, and the general public about the vital role of soil in sustaining life and the ecosystem.

The program commenced with an inaugural address by Dr. Binu John Sam, Senior Scientist and Head of ICAR KVK. He discussed various strategies to maintain and protect soil health, including residue management, crop rotation, and soil health management practices.

Smt. Jyothi Rachel Varghese, SMS (Agronomy), conducted an interactive session on various agronomic practices to maintain healthy soil. She discussed the importance of soil testing, crop selection, and nutrient management in maintaining soil fertility and productivity.

A method demonstration on soil sampling was conducted, followed by a practical session led by Smt. Jibi Joseph. During this session, farmers learned how to analyze soil pH in their fields without the need for a laboratory, using simple and cost-effective methods.

The program witnessed an overwhelming response, with 124 participants attending the event. The participants included farmers, agricultural students, and representatives from various agricultural organizations.

The event concluded with a vote of thanks, reinforcing the key message of protecting soil health for a sustainable future. The participants were urged to adopt sustainable soil management practices and to spread awareness about the importance of soil conservation among their communities.

Overall, the Awareness Campaign on "Importance of Soil Analysis" was a resounding success, achieving its objective of educating and sensitizing stakeholders about the critical role of soil in sustaining life and the ecosystem.





## KVK Tumakur-I

### Visit to coconut farm

A team comprising the ICAR-KVK Tumkur 1 Scientist (Plant Protection), Dr. Manoj, H. and representatives from the Coconut Development Board (CDB) visited coconut farm in Kunigal to assess the health and productivity of the plantation. The visit focused on identifying pest and disease issues, implementing integrated pest management (IPM) strategies, and advising farmers on best practices for coconut cultivation. Discussions were held with local farmers regarding sustainable plant protection measures to enhance yield and quality. The visit was part of ongoing efforts to promote scientific interventions and improve coconut farming in the region.



### Field Day on Cluster Front Line Demonstration (CFLD) in Castor

ICAR-KVK, Tumkur-I organized a Field Day on Cluster Front Line Demonstration (CFLD) in Castor under the Krishi Unnati Yojana at Chikkabidare, Tiptur Taluk. Dr. Tasmiya Kowser, Scientist (Agronomy), emphasized the importance of integrated crop management practices in castor cultivation. She also provided insights into ICH-5, a high-yielding castor variety developed by the Indian Institute of Oilseeds Research, Hyderabad. The event witnessed active participation from around 10 farmers and 15 farm women, facilitating knowledge exchange and promoting improved agricultural practices in castor farming.



## 18th Scientific Advisory Committee (SAC) meeting at KVK Konehalli, Tumkuru-1

The 18th Scientific Advisory Committee (SAC) meeting of ICAR-Krishi Vigyan Kendra, Tumakuru district was held on 27.01.2025 at Krishi Vigyan Kendra, Konehalli, Tumkuru-1 under the Chairmanship of Dr. Y.N. Shivalingaiah, Director of Extension, UAS, Bangalore. The SAC meetings are conducted to get necessary guidance and support to carry out the mandated activities of KVK in a more planned and scientific manner. The KVK has constituted the new Scientific Advisory Committee as per the guidelines of ICAR which comprises of representatives from ICAR institutes, State Agriculture University, Development departments of the District, Financial institutions and progressive farmers and farm women



The session began with Raitha Geethe, ICAR song and a short video showcasing the work of KVK Konehalli, Tumkur-I. The Senior Scientist & Head of the KVK welcomed the Chairman, Members, Developmental Department Officers and Farmer representatives for the meeting. Dr. Y.N. Shivalingayya, Directorate of Extension, has highlighted the achievements of the KVK and



motivated the scientists to work with zeal. Dr. V. Govinda Gowda Senior Scientist & Head, KVK, Konehalli, Tumkuru-1 presented Progress Report of 2024 & Action Plan for the year 2025-26. Progress made in OFTs, FLDs, Capacity development and other extension activities were shared. Proposed action plan and KVK deliverables for the forthcoming year was also presented by him. Dr. M. J. Chandregowda, Principal scientist & Nodal officer, ATARI, Bangalore indicated the action points to be taken up by the KVK scientists which is on vacuum packaging of food products, seed production of COFS-29/31, coconut-based cropping systems, summer ploughing, grafting techniques, and nursery management.



During the event, dignitaries inaugurated a bio-agents mass production lab, a coconut dehusking unit, an areca plate-making unit, micro plot featuring a diverse range of agricultural and horticultural crops and the budha garden in front of Farmers hostel. The event was attended by all the members of SAC, comprising officials of State Departments, other Invitees from Government Institutes, FPOs, banks, KVK Heads and farmers. All the suggestions from the participants were noted down for the action to be initiated in the coming year. About 58 members, in total, took part in the event.





## KVK Tumakur-II

### On-Campus Training on Oyster Mushroom Cultivation at ICAR-KVK, Hirehalli

An On-campus Training Programme on Oyster Mushroom Cultivation was successfully conducted on 23rd January 2025 at ICAR-Krishi Vigyan Kendra (KVK), Hirehalli. The training aimed to equip farmers and farm women with scientific knowledge and practical skills in oyster mushroom cultivation, covering aspects from spawn production to market linkages.

The training commenced with a technical session by Mr. Ramesh P.R., Subject Matter Specialist (SMS) – Soil Science, who delivered an insightful lecture on spawn production techniques, explaining the importance of quality spawn for achieving a higher yield in mushroom cultivation. He elaborated on different substrates, sterilization methods, and essential environmental conditions for optimal spawn growth.

Following this, Mrs. Radha R. Banakar, SMS – Home Science, provided a detailed lecture on the nutritional importance of different mushrooms, with a special focus on oyster mushrooms. She highlighted their rich protein content, essential vitamins, and medicinal properties, making them a valuable addition to a healthy diet. Additionally, she explained the step-by-step process of oyster mushroom cultivation, covering substrate preparation, bag filling, incubation, and harvesting techniques.

A key highlight of the training was the experience-sharing session by Mrs. Renukadevi, a successful entrepreneur in oyster mushroom cultivation. She shared her journey in mushroom farming, discussing challenges, success strategies, and market linkage opportunities. She emphasized the growing demand for oyster mushrooms in urban and rural markets, providing insights into value addition and income generation through mushroom-based products.

Later, participants were given hands-on training on mushroom bag filling and bag incubation methods, where they actively engaged in substrate preparation, inoculation, and proper handling techniques to ensure healthy mushroom growth. The practical session provided a deeper understanding of the critical factors that influence yield and quality.

At the conclusion of the training, certificates and training manuals were distributed to all 36 participants, comprising farmers and farm women from Tumakuru district. The training program was well-received, with participants expressing keen interest in adopting oyster mushroom cultivation as a profitable agri-enterprise.

This initiative by ICAR-KVK, Hirehalli aligns with its objective of promoting diversified farming, sustainable income generation, and food security for small and marginal farmers. Such training programs play a crucial role in empowering rural communities with innovative agricultural practices and entrepreneurial opportunities.





## KVK Udupi

### Frontline Demonstration on Silver Pompano Cage Culture

Coastal waters on the river basins of Panchagangavali at Kundapura region of Udupi District is highly suitable for cage culture of marine fishes. However, options available for species diversification in culture is very few. Cage culture is dominated by Seabass culture which takes long culture period of one or more years and with high production cost and technical difficulties. The fish is highly carnivorous and cannibalistic in nature. Hence survival is low and production is meagre. Hence alternative species for cage is proposed. Silver pompano is highly suitable for cage culture using the same set up, instead of seabass fish. Silver pompano culture is period is shorter, upto 6 months, gives better yield, high market demand and high profitability. The fish readily accepts pelleted feed. A front-line demonstration was taken up in Tallur region of Kundapura. Seeds of silver pompano was distributed to interested farmers who wanted to take up this culture practice. A training program was also conducted to facilitate culture practices and feeding methods of this fish.



### Training program on value addition in seafood

Coastal waters on the river basins of Panchagangavali at Kundapura region of Udupi District is highly suitable for cage culture of marine fishes. However, options available for species diversification in culture is very few. Cage culture is dominated by Seabass culture which takes long culture period of one or more years and with high production cost and technical difficulties. The fish is highly carnivorous and cannibalistic in nature. Hence survival is low and production is meagre. Hence alternative species for cage is proposed. Silver pompano is highly suitable for cage culture using the same set up, instead of seabass fish. Silver pompano culture is period is shorter, upto 6 months, gives better yield, high market demand and high profitability. The fish readily accepts pelleted feed. A front-line demonstration was taken up in Tallur region of Kundapura. Seeds of silver pompano was distributed to interested farmers who wanted to take up this culture practice. A training program was also conducted to facilitate culture practices and feeding methods of this fish.





## KVK Uttara Kannada

### Krishi Sakhi Training on “Ecological Farming Methods”

ICAR- Krishi Vigyan Kendra, Uttara Kannada Sirsi, Karnataka in association with Sanjeevini-Karnataka State Rural Livelihood Mission, Zilla Panchayath, Karwar organized six days “Ecological farming Methods” training for Agricultural Livelihood Community Resource Persons (Krishi Sakhis) of Uttara Kannada district from 17.01.2025 to 22.01.2025 at Malagi farm, KVK Sirsi. The opening ceremony commenced with the formal procedure of lamp lighting and a welcome statement by Dr. Ranganatha G.J, Scientist (Animal Science). The Honorable Deputy Director of Agriculture, Dr. T. Nataraj sir (Agriculture Department, Sirsi) inaugurated the programme. The vocation was also graced by the presence of chief guest Shri. Satish Hegade, Executive Officer, (Taluk Panchayat, Sirsi) and Shri Dananjay Nayak, District Manager, Krishi Sanjivini, (Zilla Panchayat, Uttara Kannada). The vote of thanks was delivered by Mr. Arjun R.S. Scientist (Plant protection). There were 35 rural women belonging to Ankola, Bhatkal, Haliyal, Honnavar, Joida, Karwar, Kumata, Sirsi, Yellapur, Siddapur and Mundagod taluks of Uttara Kannada district participated in the programme. Krishi Sakhi I and II Batch programme was coordinated by Dr. Ranganath G. J , Scientist (Animal Science) and Dr. Amit M. Pujar, SMS (Agronomy), ICAR-KVK Uttara Kannada Sirsi, respectively.

Theory and practical sessions such as Agri nutria-garden, Agro-ecology, Horticulture and Agriculture crops management practices, Plant protection measures, Soil and nutrient management and Animal health management were covered. The trainees were taken to the progressive Shri. Prasadram Hegade to look after different Agro-ecological methods. In the valedictory function, Dr. Ranganatha G.J, Scientist (Animal Science). emphasized the importance of transfer of agriculture technology to farmers field which will improve the income and livelihood of farmers.



## Training on “Vermicompost production technology for improving livelihood of farmers” under SCSP programme

ICAR Krishi Vigyan Kendra, Uttara Kannada, Sirsi, Karnataka organized three days training on “Vermicompost production technology for improving livelihood of farmers” on 27.01.2025 to 29.01.2025 at Malagi Farm, KVK Sirsi under SCSP programme.

The opening ceremony commenced with the formal procedure of lamp lighting and a welcome statement by Dr. Ranganath G.J. Scientist (Animal Science). The introductory statement regarding training activities were briefed by Shri. Arjun R.S. Scientist (Plant Protection). The Honorable Director of Extension, Dr. R. Basavarajappa sir (UAS, Dharwad) inaugurated the programme. Emphasized more on generating more income for sustainable production through vermicompost technologies. The vocation was also presided by the presence of Dr. Roopa Patil Madam, Senior Scientist and Head, KVK, Uttara Kannada, Sirsi. There were 25 farmers were present in the training programme. Theory and practical sessions covered Vermicompost production technology, concepts of earthworm biology, development of earthworms, nutrient importance in vermicompost, vermivash and economics of vermicompost technologies. Vermibed distribution was made to participants. Participants showed interest in installing vermibeds and preparing production unit.





## KVK Vijayapura-I

### Field day on Ajawain AA-70 variety

KVK Vijayapura organised a field day on Ajawain AA-70 variety at Yaranal village. The farmer was explained about the importance of spice crops in dryland agriculture and how Ajwain fits in climate resilient programme. Since kharif rains are unpredictable in Vijayapur. Majority of years we don't get good rains during June. This crop Ajwain is sown during mid August and harvested by December end. Crops yields variety from 2-3 quintal/acre and price varies from 20-23 thousand / quintal with net rates of 20 thousand per acre. This crop suits best in contingent crop planning for delayed manson.





## KVK Vijayapura-II

### Livestock Health Camp and Calf Show Held at Bhatgunaki Village

The ICAR-Krishi Vigyan Kendra (KVK), Indi, in collaboration with the University of Agricultural Sciences, Dharwad, the Department of Animal Husbandry and Veterinary Services, Indi, and the Vijayapura and Bagalkote District Cooperative Milk Producers' Unions Federation, organized a "Livestock Health Camp and Calf Show" on January 3, 2024, at Bhatgunaki village in Indi Taluk.



The event commenced at 10:30 AM with a welcome address and program introduction by teacher Ranjitbaba V. Dr. Prasad M.G., Scientist (Animal Science) at KVK Indi and the program organizer, delivered the introductory remarks. The event was inaugurated with a traditional cow puja and offering of grain, followed by a floral tribute to a portrait of Siddeshwara Swamiji, by Shahaji Sambaji Misale, President of the Milk Producers' Cooperative Society, Bhatgunaki; Dr. Shivashankaramurthy M., Senior Scientist and Head of ICAR-KVK Indi; and Santoshkumar C. Patil, Director of VIMUL.

Irannagouda C. Karigoudar, President of the Vijayapura Bagalkote District Milk Federation, Vijayapura, presided over the event. In his address, he urged farmers to regularly consult with veterinarians from the Animal Husbandry Department and KVK to obtain appropriate treatment and information regarding livestock health and management, thereby improving milk quality and yield and enhancing their economic well-being. Dr. Shivashankaramurthy M. emphasized the importance of farmers acquiring knowledge about fodder crops and value addition of milk to increase profitability. Guest speaker Dr. Rajkumar Adaki from the Department of Animal Husbandry and Veterinary Services, Indi, provided information on loan facilities available through the department and the importance of timely vaccinations for livestock.



Dr. Prasad M.G. highlighted India's position as the world's largest milk producer, with an estimated production of 239 million tones in 2024, a 3.75% increase compared to the previous year. He explained that while 45% of this milk is sold in liquid form, the remaining 55% is processed into various value-added products. He stressed the growing demand for these products and the significant opportunities for increased production. He also emphasized the crucial role of milk federations and cooperative societies in ensuring the supply of safe and high-quality milk and milk products to consumers.



Key attendees included Santoshkumar Ch. Patil, Director of VIMUL; Reshma A. Pujari, Director of VIMUL; D.T. Shivashankaraswamy, Managing Director of VIMUL Indi; Dr. Gajaraja Rantur, Manager of VIMUL; Appasaheb Havinal, President; S.S. Athani, Assistant Manager of VIMUL; and Dr. Abhishek Kodati, Assistant Manager of VIMUL. Other guests included Dr. Asharani, Veterinarian, Bhatgunaki, from the Department of Animal Husbandry and Veterinary Services, Indi; Dr. Prakash Mirji S. from the Veterinary Clinic, Jalaki; Shobha Mallappa Biradar, Vice President and Directors of the Milk Producers' Cooperative Society, Bhatgunaki.

Veterinarians from the Department of Animal Husbandry and Veterinary Services, Indi, conducted health check-ups for 30 cattle. A calf show featuring 35 calves was also organized, with prizes and certificates awarded to the winners.

Scientists from KVK Indi also participated: Heena M.S. (Horticulture), Dr. Veena Chandavari (Home Science), Dr. Prakash G. (Agronomy), Dr. Balaji Naik (Soil Science), and Dr. Prem Chand U. (Plant Protection). Over 250 farmers participated in the event, benefiting from the information provided and contributing to the program's success.





## KVK Yadgir

### Evaluation of Shresta krushik award farmers in Yadgir district

ICAR- KVK, Yadgir (Kawadimatti) scientists and Agriculture department officers evaluated Shresta Krushik award farmers in Yadgir district for district level Millets and Organic mela-2025 organised on 04-02-2025 at Yadgir district. Evaluated different farmers field by considering the components adopted in the farm and improved production technologies, value addition, use of organic inputs, marketing skills etc. Most of the farmers practicing integrated farming system by utilizing available resources. Karnataka state government schemes through State Agriculture department were effectively utilized by these farmers. Among the schemes adopted farmers one farmer were selected from each Raita Samparka Kendras. These farmers also regularly getting innovative technologies and information from ICAR-KVK, Yadgir.



## Demonstration of cotton shredder and multi crop mulcher

ICAR- KVK, Yadgir (Kawadimatti) Scientist demonstrated cotton shredder and multi crop mulcher at Yakhcinthi village of Wadagera taluka and Devatkal village's of shorapur taluka. Dr. Mallareddy, Scientist (Agronomy) explained the importance and utility of cotton shredder and multi crop mulcher in improving the soil fertility, water holding capacity, soil carbon content by adding shredded cotton waste to the soil. Multicrop mulcher also can be use in pigeonpea and chilli fields to utilize stalks effectively after harvest. Dr. Rathnamma, Scientist (Plant Pathology) explained the ill effects of burning cotton stalks led to declined the microbial status of soil, environmental pollution and also decrease in soil fertility. Use of cotton shredder and multi crop mulcher increases the microbial activity by providing organic matter to the microbes and recycling of huge biomass into the soil. Dr. Umesh Barikar, Scientist (Agril. Eng) AEEC, Nalwar practically demonstrated the implements of cotton shredder and multi crop mulcher in minimizing the drudgery, cost of labour, time saving and benefit cost ratio and improving the soil health. Around 95 farmers participated in these programme.



## ICAR-KVK SHIVAMOGGA DEMO UNITS



**Bore well recharge model**



**Cage system of layer poultry unit**



**Farm Pond**



**Backyard poultry unit**



**Hydroponics**



**Stall feeding system of Ruminants**



**Poly house nursery and flower**



**Vermicompost unit**

# ICAR-KVK SHIVAMOGGA DEMO UNITS



**Cocoa Processing unit**



**Banana fiber extractor**



**Primary Agro-processing unit**



**Apiary unit**



**Food Processing lab**



**Soil and Water Testing Lab**



**Bio Fertilizer lab**



**Training Hall**



## FIELD TRAINING HALL



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