

# KVK TIMES

*A window to KVKs of ICAR-ATARI, Zone - XI, Bengaluru*

Vol. 02

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1-15 September 2024



**ICAR - KRISHI VIGYAN KENDRA**

KASARAGOD

**ICAR-Central Plantation Crops Research Institute**

KASARAGOD



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# KVK TIMES

*A window to KVKs of ICAR -ATARI,  
Zone - XI, Bengaluru*

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# Message



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**Dr. Hebbar K .B**  
Director  
ICAR-CPCRI, Kasaragod

It is a matter of pride to write the message for 'KVK Times' the fortnightly magazine to reflect achievements and accomplishments. KVKs are striving hard to sustain the food, nutritional and livelihood security of rural household especially small and marginal farmers who are otherwise more vulnerable to climatic aberrations. Climate in these regions has always been in a state of flux, but the current rate of change is much faster, and therefore action must be taken now to adapt in a timely manner and prevent unpredictable and undesirable outcomes. KVKs are demonstrating improved agriculture technologies like new crop varieties, cropping systems, agricultural management strategies, providing advisory services needed to provide options to farmers to counterweight these changes. Because of the concerted efforts of the talented, dedicated and hardworking staff of KVK, country could make significant progress in production of field crops, horticulture crops, fisheries and animal husbandry sector and meet the food and nutritional security of the burgeoning population.

The KVK times magazine is a platform to share some of the success stories of adopting technologies in farmers fields, good practices and extension activities for larger adoption across the regions.

I extend my warm wishes to Krishi Vigyan Kendra, ICAR CPCRI, Kasaragod for publishing "KVK Times" 29th issue, Volume 02 and I wish them to continue the journey on the road of excellence.

**Dr. Hebbar K .B**  
Director



## Message



ICAR-Agricultural Technology Application Research Institute, Zone XI

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### **Dr. V. Venkatasubramanian**

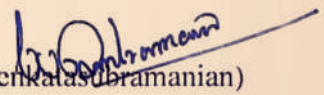
Director

ATARI, Bengaluru

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. Forty eight 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 ICAR KVK Kasaragod is bringing up the 29th issue of second volume of KVK TIMES covering the first fortnight of September 2024. I congratulate the KVK fraternity of Zone XI specially Dr. Manojkumar T.S., Principal Scientist and Head and his team of KVK, Kasaragod for bringing out this unique edition of KVK Times.

  
(V Venkatasubramanian)

# Message



Kerala Agricultural University  
കേരള കാർഷിക സർവ്വകലാശാല



**Dr. JACOB JOHN**  
Director of Extension  
Kerala Agricultural University

The Indian Council of Agricultural Research, New Delhi created Krishi Vigyan Kendras to bridge the gap between the agricultural research network consisting of ICAR research institutes and the state agricultural universities which create technologies for the farming community, the ultimate end users. The KVK system over the times has evolved as an institutional innovation which benefitted millions of small and medium farmers and rural youth who otherwise are deprived of such information. The interventions of KVKs primarily include on farm testing of technologies, frontline demonstrations, capacity development programmes, extension activities and production of farm inputs like seeds, seedlings, bio agents, fish fingerlings, poultry chicks, farm animals etc. The novel idea of showcasing activities of KVKs through a fortnightly newsletter, KVK Times by ATARI Zone XI is really appreciable as it showcases the KVK generated models to be popularized for cross learning among other KVKs and the farming community.

The Kerala Agricultural University is the major technology creator for the improvement, sustainability and increasing the profitability of the farming community in Kerala, mentors the KVKs through technological support, planning and guiding the OFTs and FLDs and by organizing capacity development programmes to the KVK staffs.

I appreciate and congratulate the Head and entire team of KVK Kasaragod for the excellent compilation of activities of Kerala, Karnataka and Lakshadweep KVKs by bringing out the 29th issue of KVK Times, Volume 2. I wish them the very best in all their future endeavors.

( Dr. Jacob John)  
Director of Extension, KAU



## ACKNOWLEDGEMENT



ICAR - Krishi Vigyan Kendra - Kasaragod  
भाकृअनुप - कृषि विज्ञान केंद्र - कासरगोड



**Dr. Manojkumar T.S**  
Principal Scientist & Head  
ICAR-KVK, Kasaragod

With immense pleasure, I present this issue of KVK Times covering the period of September 1-15, 2024.

I extend my heartfelt gratitude to Dr. V. Venkatasubramanian, Director ICAR-ATARI, Bengaluru for his wholehearted support and encouragement in bringing out the KVK Times. I whole heartedly thank Dr. K. B. Hebbar, Director, ICAR-CPCRI Kasaragod for his support and encouragement in all efforts of KVK to serve farming community. I am thankful to Dr. Jacob John, Director of Extension, KAU for his invaluable advice and support.

I thank the KVKs of Zone XI for sharing of activities which has enriched the content of this issue. I also extend my thanks to Dr. DVS Reddy, the nodal officer of KVK, for his immense support and cooperation.

I express my deep gratitude to the Subject Matter Specialists and all other staff members of KVK Kasaragod for their efforts in compiling and editing the KVK Times. I would like to express my profound gratitude to the staff members of ATARI Bengaluru and CPCRI Kasaragod for their contributions in compiling the 29th issue, Volume 2 of KVK Times for the period from 1-15<sup>th</sup> of September 2024.

*Manojkumar T.S*

(Dr. Manojkumar T.S)  
Principal Scientist & Head  
ICAR-KVK, Kasaragod

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## Capacity building programme on 'Natural Farming Practices'

Orientation cum capacity building programme on 'Natural Farming Practices' was organized by the KVK at Kanjikuzhy Grama Panchayath Community Hall during 29<sup>th</sup> – 30<sup>th</sup> August, 2024. The programme was inaugurated by Smt. C. Ambili, Principal Agricultural Officer, Alappuzha, in the presence of Adv. M Santhosh Kumar, Vice president, Kanjikuzhy Grama panchayath, and Dr. P Muralidharan, Head, KVK. The two day programme had five sessions *viz.*, (i) Preparation and use of NF formulations (ii) Natural farming as Eco-friendly farming for future (iii) Relevance of mulching in Natural farming (iv) Relevance of Indigenous cows in Natural farming and (v) Crop protection methods in Natural farming. Smt. Geetha Karthikeyan, President, Kanjikuzhy Grama panchayath addressed the participants on the second day highlighting the importance of NF practices for safe food production and healthy life. Sri. P.S. Manu, Secretary, and Smt. Ashalatha A.N., Programme Coordinator (Farm Sector) of the Gandhi Smaraka Grama Seva Kendram, SL Puram, a NGO propagating natural farming practices, served as external resource persons for the programme. Fifty five farmers interested in natural farming practices actively participated in the two days programme.



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

Six B.Sc (Ag) final year students of Theerthankar Mahavir University, Moradabad, UP completed their RAWE programme of five weeks duration from 5<sup>th</sup> August to 6<sup>th</sup> September, 2024 in the KVK. They were exposed to KVK system and its mandatory activities, major crops of Kerala, plant propagation methods, mushroom cultivation, spawn production, in situ compost preparation, integrated farming system approaches, natural farming techniques

and poultry and livestock management. They could also gain exposure to handling of land preparation machineries, landscaping activities, value addition of agricultural produces and processing machineries, and FPC activities in addition to visiting to the field programmes organized by the KVK like NICRA in Kuttanad region where below mean sea level farming is practiced. They could participate in the KVK Golden Jubilee celebrations on different occasions and interact with farmers and listen to their experience in farming. The commendable feedback received from them highlighted their satisfaction in experiencing the field realities and the KVK interventions for solving the issues faced by the farmers.



## Master Trainers from Mizoram attended capacity building programme

Four master trainers from Mamit district of Mizoram state attended a capacity building programme on 'Value addition of Jackfruit, Pineapple and Orange' from 10<sup>th</sup> to 13<sup>th</sup> September, 24 at the Agro-Processing Training cum Incubation Centre (APTIC) of the KVK. The programme was organized in linkage with the Kudumbasree NRO, focusing on promoting enterprises under NRLM in different states of India, as part of the SVEP (Start-up Village Entrepreneurship Programme) implemented in Mizoram. Two Community Resource / Extension Persons and two officials of the project attended the programme with the objective of attaining skills for utilizing the fruit resources in their block like jack fruit, pineapple and orange (which are available in plenty) through enterprises of food based and beauty products. The trainees expressed their satisfaction and excitement in acquiring skills on preparation of such a large number of value added products which would help them a long way in the economic empowerment of their community.



(Contributors): K. Sajnanath , G. Lekha, Jissy George )



KVK times for the period of September 1 to 15<sup>th</sup> of ICAR- KVK



On 2<sup>nd</sup> September, follow-up visits to OFT on assessment of soybean varieties for adaptability in Bagalkot district, at Mantur and Baragi villages by team ICAR-KVK, Bagalkot. Selection of innovative farmer for Krishimela-2024 at University of Agricultural Sciences, Dharwad, KVK team with nodel officer visited and evaluated farmers field on 10-09-2024. Regarding CFLD, follow up visits were made by KVK team on 12<sup>th</sup> September Muganur village of Bagalkot. As a part of 100 days activities, ICAR-KVK Bagalkot conducted a training programme on Climate Resilient Technologies in Agriculture where 32 participants were benefitted on 12/09/2024.

KVK Home Scientist, Dr. Ramitha B E organized and participated as resource person with regard to National Nutrition Month which in collaboration with Dept. Of Women and Child Development, Bagalkot. In this programme, Hon'ble District Commissioner, Hon'ble Senior Judge and Secretary, District Legal Services Authority, Bagalkot, Chief Executive Officer, Zilla Panchayat, District Health Officer, Deputy Secretary, ZP and other departmental officers witnessed the program. Nearly 280 women were benefitted from the programme. Information was delivered on nutritional importance and healthy diet practices during adolescence, pregnancy, lactation and young children. Different varieties of nutritive foods were displayed. Apart from this, the first fortnight of September, KVK team was continually involved in promoting participation of farmers in Krishi



Mela which is going to be held at UAS, Dharwad from Sept 21<sup>st</sup> to 24<sup>th</sup>, 2024. Krishi Mela posters have been distributed to all the concerned departments, gram panchayats, villagers and farmers and also farmers have been made to register for the participation in Krishi Mela through QR code.



## Farmers – Scientists Interaction : Advancing Agriculture and Crop Diversification

One day training programme was held at Chorapur, Sandur taluk on 13<sup>th</sup> September 2024, organized by Krishika Samaja in association with ICAR-KVK, Ballari, Dept. of Agri, Ballari and Horticulture Dept., Ballari. The main focus of the events was on “Farmers-Scientists Interaction : Advancing Agriculture and crop diversification”.



Farmers were introduced to improved cultivation practices for rainfed agriculture with a particular emphasis on safflower varieties ISF-764 and PBNS-12. These varieties are known for their resilience and suitability for rainfed conditions. Additionally, the cultivation of foxtail millet (HN-46) and Soybean (KDS-152) was promoted as alternatives to traditional crops like sunflower and groundnut. This shift in cropping patterns is expected to enhance productivity and income sources for farmers. Experts of KVK scientists provided valuable insights into the diagnosis and management of pests and diseases affecting these crops. The SADH from Ballari Horticultural department presented information on their schemes and programme, while the AO's from Agriculture department elaborated on their initiatives and support mechanisms for farmers.



Key participants included the Deputy Director of Agriculture, Ballari, ADA, SADH, AO from Sandur, KVK scientist and progressive farmers from the region. The event created a platform for meaningful exchanges, equipping farmers with the latest agriculture technology and strategies to improve productivity and sustainability in their farming practices.



## MODULE2 -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-5. Held from September 9 to September 14, 2024, 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, 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 September 14, 2024, concluded the weeklong training, signifying the participants' readiness to serve as "Krishi Sakhis" in their communities, fostering better agricultural practices and self-reliance.



### Natural Farming training programme

As part of 100 days special programme drive by ICAR KVKs, a two days training programme on Natural farming was organized at KVK Campus during 12-13 September, 2024. S.M. Warad, Scientist (Soil Science) highlighted the concept of natural farming and its advantages in sustainable soil health management and reduction in the cost of cultivation and suggested the audience to adopt the natural farming practices in a part of their total land holdings to maintain the production and eco-system in the village. He said that, due to continuous use of chemicals in the agriculture/horticulture system the residual effect which is being noticed in the food will bring major health risks of human beings. Chemical free farming / Natural farming promotes growth of microorganisms in soil which will fix atmospheric nitrogen to the crops and solubilize many nutrients in soil thus making them available to the plant. During the event, method demonstration on preparation of various cow dung and urine based products like beejamruta and jeevamruta for supply of nutrients in natural farming method were conducted.

Dr. S.S. Hiremath, Scientist (Plant Protection) explained the ill effects of uses of pesticides/insecticides/weedicides in the existing agricultural practice being followed by the farmers. He said that, due to continuous use of the chemicals in the agriculture/ horticulture system the residual effect which is being noticed in the food will bring major health risks of human beings. Hence, he advised the farmers to urgently switch over to natural farming practices. G.B. Viswanath, Scientist (Agronomy) covered agronomic practices of major rabi crops.



### Diagnostic field visit

A diagnostic field visit was conducted by KVK in collaboration with Department of Horticulture to onion fields of Kunnal, Chippalakati and Bagojikopp villages of Ramdurg taluk. During the visit, Dr.S.S. Hiremath, Scientist (Plant Protection) identified the pest, onion thrips and disease anthracnose (twister) infestation. Foliar spray of insecticide Fipronil 5% SC @ 1.0 ml/l advised for the control of onion thrips and fungicide Azoxystrobin 11% + Tebuconazole 18.3% 1.0 ml/l alongwith judicious use of nitrogen fertilizer and water management are advised to manage the anthracnose disease and also suggested all the package

of practices including IPM strategies raised bed cultivation, drip and fertigation and varieties developed by ICAR-DOGR and ICAR-IIHR for onion production were explained to the grower for making onion cultivation more remunerable. Department officials highlighted their schemes and activities to the farmers.



### On campus training programme on ICM in Soybean

On campus training programme was organized on integrated crop management in soybean at ICAR – KLE KVK, Mattikopp on 13.09.2024. G.B. Vishwanath, Scientist (Agronomy) explained about importance of soybean in oil and poultry industries having 20% oil and 40% protein. He stressed upon cares to be taken while harvesting, heaping, threshing and storage of soybean. He emphasized on seed production, processing and certification. Dr. S. S. Hiremath, Scientist (Plant Protection) briefed about different storage pests and their management. S.M. Warad, Scientist (Soil Science) explained about nutrients and their deficiency symptoms. Mrs. Sridevi Angadi, Senior Scientist & Head explained about different value added products and their preparation in soybean. Farmers from Bailhongal taluk has attended the training programme. G.B. Vishwanath welcomed the guests and participants and vote of thanks performed by S.M. Warad.



### Participated as Resource Person

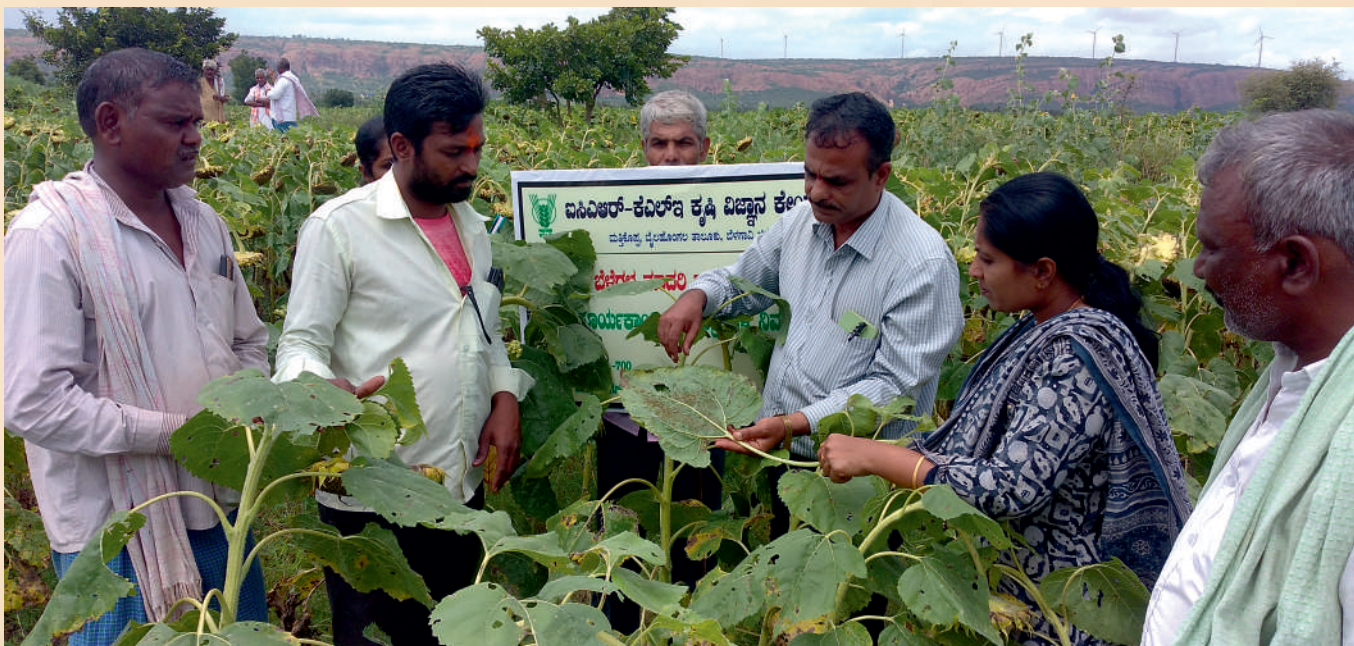
G.B. Vishwanath, Scientist (Agronomy) attended Field Day on soybean variety Dsb-34 at WALMI, Dharwad jointly organized by ADM, Agro Industries India Pvt. Ltd. and WALMI, Dharwad. The programme was inaugurated by Dr. V.I. Benagi, Former Vice-Chancellor, UAS, Dharwad. G.B. Vishwanath, Scientist (Agronomy) explained about varieties and their characteristics, agronomic practices like seed rate, spacing, sowing methods, integrated nutrient, weed and water management practices in soybean. Dr. V.I. Benagi explained about different pest and disease and their management. Dr. Rajendra Poddar, Director, WALMI, Dharwad explained about activities carried out for the welfare of the farming community. Farmers from Belagavi and Dharwad districts attended the programme and expressed happiness about the performance of soybean variety Dsb-34.



**Field visit to Model Oil Village**

Sunflower is an important oil seed crop contains high concentration of oil with appropriate proportion of unsaturated fatty acids. This crop is mainly grown in Ramdurg taluk among KVK jurisdiction taluk. The are under sunflower crop in the taluk is 1,320 ha with 12,540 q production and 9.5q/ha productivity. Majority of farmers cultivate pvt. hybrids (Kaveri champ and Dhara) and season practised is rabi. Which is resulting in low yield. The reason for low yielding is farmers cultivating the crop under rainfed condition, imbalanced nutrition, lack of soil moisture conservation techniques and not taking up of plant protection measures leading to poor seed set and high

percentage of chaffy seeds. To overcome this problem, KVK introduced sunflower hybrid RSFS-700 released by UAS, Raichur. Recommended for Zone-I, II and III, resistant to powdery mildew disease, plant height (170-185 cm), average yield (13-16 q/ha). A total 250 acres of demonstration was carried out under Model Oil Seed Village (MOSV) involving 250 farmers during the field visit of the scientists to the farmers field observed higher head diameter (19 cm) as compared to the other pvt. hybrids. 75-80% of seed filling percentage was observed and the plant growth was healthy without any pest and disease infestation and practising season was kharif instead of rabi. The farmers are eagerly awaiting to harvest crop looking at his performance compared to other pvt. hybrids.



### Celebration of National Nutrition Week:

ICAR – Krishi Vigyan Kendra, Bengaluru Rural District celebrated the National Nutrition Week on 04.09.2024 in collaboration with Women and Child Development Department, Bengaluru Rural District. The programme was inaugurated by the chief guests. Dr. Venkate Gowda, J., Scientist (Agronomy) presided the programme and explained about the importance of celebration of National Nutrition Week and the role of anganawadi workers in creating awareness on balanced diet in daily life among farmwomen and pre-schoolers. Mrs. Meghana, S.V., Scientist (Home Science) coordinated the programme and briefed about the consuming of fruits and vegetables to combat with malnutrition in pregnant ladies and lactating mothers. Mr. Nagaraju, H.A., Ex-President of Hadonahalli Gram Panchayath in his speech appreciated the responsibilities of Anganawadi workers. Mr. Appayyanna, H., Progressive Farmer and Ex-president of Zilla Panchayath participated as a chief guest in the programme and elicited about the importance of establishing the Nutri garden near home to get chemical free fresh fruits and vegetables which will improve the nutritional value in their daily diet. Mr. Arun Kumar, Assistant Child Development Project Officer briefed about the main objectives of ‘National Nutrition Month’, causes for malnutrition and anemia and their supplements foods. During the programme Dr. Eswarappa, G., Dr. Shwetha, N.V. Scientists of ICAR – KVK, Bengaluru Rural District, Sri Nagaraj, Panchayath Development Officer, Smt. Nagarathna, Head Mistress were attended the programme. 70 Anganawadi workers, Asha workers and school children were participated and benefited.



### Skill Training to Rural Youth on ‘Canopy Management in Horticulture Crops’

ICAR –Krishi Vigyan Kendra, Bengaluru Rural District organized Skill Training to Rural Youth from 09.09.2024 to 14.09.2024 for 15 Rural Youth from Bengaluru Rural District in collaboration with MANAGE, Hyderabad. The training programme was coordinated by Dr. G. Eswarappa, Scientist, KVK, Bengaluru Rural district, the inaugural session was organized on 09.09.2024, Dr. Hanumantharaya, B.G., Scientist presided and Mr. Nagaraja, H., Ex-president of Hadonahalli Grampanchayath was participated as Chief guest.

In the technical session Dr. Hanumantharaya, B.G., Senior Scientist & Head explained about aim and principles of pruning and shaping of horticulture crops, layout of orchards and demonstrated the techniques of nipping and thinning of flower crops, Sri Beeresh, Assistant Horticulture Officer, Dept. of Horticulture, Doddaballapura delivered lecture on pruning, shaping and rejuvenation in Mango and grapes. Dr. Venkatapatil, Associate Professor, College of Horticulture, UHS, Bagalkot, GKVK campus explained about high density fruit crops and their management. Dr. Venkate Gowda, J., Scientist (Agronomy) briefed about the water management in horticulture crops, Dr. Eswarappa, G. delivered lecture on pruning, shaping and other management practices in dragon fruit, Dr. Veeranagappa, P., given lecture on nutrient management in Horticulture crops. Another resource person Dr. Keshava Reddy, G., Assistant Professor, AICRP – Redgram, UAS, GKVK, explained about pest and disease management while pruning and shaping of horticulture crops. All the trainees were provided with a certificate during the concluding session on 14.09.2024.



## “ICAR-KVK Bidar Scientists Lead Successful “Farmers-Scientists Interaction” Program at Vilaspur Village”

**Contributors:** Mrs. Jyothi S Kamthane , Dr. Sunilkumar N M, Dr. Ningadalli Mallikarjun & Dr Gnyandev Bulla, ICAR-KVK Bidar

On September 12, 2024, a grand event unfolded at Vilaspur village as KVK Bidar scientists played a pivotal role in the "Farmers-Scientists Interaction" organized by the Karnataka State Department of Agriculture (KSDA), Bidar. The event, inaugurated by Bidar District MLA, Sri Rahim Khan, saw the participation of around 280 farmers and farm women, creating an enriching platform for direct interaction between farmers and agricultural experts. The event was not just a meeting but a vibrant exchange of knowledge, ideas, and solutions. KVK Bidar scientists, renowned for their expertise in agriculture, acted as resource persons, offering valuable insights and practical advice to farmers facing challenges at the grassroots level. The interaction highlighted various issues related to crop health, soil management, pest control, and water conservation. Farmers took full advantage of the opportunity to voice their concerns directly to the ministers and experts. Issues ranging from unpredictable weather patterns to market access were discussed, and KVK Bidar scientists provided science-backed, practical solutions that the farmers could implement immediately. Their suggestions were well-received, with many participants expressing gratitude for the guidance offered by the experts.

The presence of political leaders, scientists, and farmers created a holistic environment for problem-solving. MLA Sri Rahim Khan, acknowledging the farmers' concerns, expressed his commitment to supporting agriculture at the grassroots level and applauded the efforts of both KSDA Bidar and KVK Bidar in strengthening farmer-scientist relations. This successful interaction marks another step forward in empowering farmers and ensuring sustainable agricultural development in the Bidar district.



## “Field Day at Pandargera: Success of ICM Technology in Blackgram Cultivation Under CFLD Pulses”

On August 30, 2024, a Field Day was conducted by Krishi Vigyan Kendra (KVK), Bidar, at Pandargera village in the blackgram field as part of the CFLD (Cluster Frontline Demonstration) plot under the Integrated Crop Management (ICM) technologies initiative. The event was attended by 74 farmers from the village and surrounding areas, all of whom participated with great enthusiasm. The purpose of the Field Day was to demonstrate the effectiveness of ICM practices in blackgram cultivation. The technologies included a combination of pest and disease management, improved seed varieties, proper sowing methods, balanced fertilization, and water management strategies. These practices aimed to enhance yield, ensure sustainability, and increase profitability for farmers. KVK experts provided detailed explanations about each aspect of ICM, highlighting the advantages of adopting these advanced agricultural practices.

Farmers who had implemented ICM in their blackgram fields this season shared their experiences during the event. They expressed great satisfaction with the results, noting significant improvements in crop health, pest resistance, and overall yield. Several farmers mentioned that by adopting ICM techniques, they observed a noticeable increase in productivity compared to traditional methods. Many felt confident that this season would yield a bumper harvest, and they credited the ICM technologies demonstrated by KVK for these positive outcomes. Overall, the Field Day was a resounding success, with farmers acknowledging the practical benefits of ICM in blackgram cultivation. The event reinforced KVK's commitment to promoting sustainable agricultural practices and empowering farmers with the latest innovations to improve their livelihoods.



## National Nutrition Week and National Nutrition Month

Authors: Yogesh, G.S. and Deepa, J

Themes, “Nutritious diets for everyone” and “Beyond the table”, respectively.

On 04.09.2024, observed National nutrition week at KVK by organising a capacity building programme on balanced diet and its importance in human health management. A total of 23 rural women participated in the programme and they were provided with the information on importance of cereals, pulses, oilseeds, vegetables, fruits, milk & milk products and meat & meat products. An illustration model depicting composition & quantity of different ingredients in balanced diet was displayed through a small exhibit that included finger millet, rice, rice flakes, wheat, foxtail millet, little millet, whole greengram, whole blackgram, gram dal, groundnut, seshamum, niger, flax, green leafy vegetables (spinach, amaranth, fenugreek, shepu, coriander, curry leaves), tomato, coccinia, beans, okra, bittergourd, cucumber, roots & tubers (potato, radish, carrot), apple, grapes, orange, pomegranate, sweet lime, milk, butter, salt, sugar and jaggery. Scientist (Home Science) provided information on kinds and amounts of food to be eaten by an individual, a group or a population for achieving balanced nutrition.



Observed National nutrition week

National nutrition month was celebrated at adopted village Nijalinganapura, Chamarajanagara taluk on 12.09.2024 with an aim to create awareness among women, children and other farm folks regarding importance of fruits, vegetables and millets in human diet for overcoming the deleterious effects of imbalanced nutrition and to prevent degenerative diseases. Dr.Deepa,J., Scientist (Home Science) deliberated the participants on the nutritional aspects of fruits, vegetables, pulses, oilseeds, cereals and millets. Further, she provided information on establishment and management of nutrition garden for meeting the nutritional requirements of farm families and to overcome hidden hunger, thereby enabling to address the common nutritional disorders prevailing among rural community, particularly women and children. As a part of the programme, vegetable seed kit, lemon and guava grafts were distributed to the stakeholders.



Scientist (Home Science) providing information on balanced diet

## Field day – FLD on Demonstration of improved cultivation practices in Sorghum

Authors: Yogesh, G.S., Shruthi, M.K and Mohankumar, B.N

A field day was organised and conducted at NICRA village Putthanapura, Gundlupete taluk on 12.09.2024 as a part of frontline demonstration on integrated sorghum crop management emphasizing cultivation of dual purpose hybrid CSH-41(2018, ICAR IIMR, Hyderabad), a short duration (106 – 108 days), resistant to grain mold disease, moderately resistant to anthracnose, rust and leaf blight diseases, has good cooking quality, grain yield of 32 q ha<sup>-1</sup> and a fodder yield of 16 t ha<sup>-1</sup>. The technologies like application of recommended FYM, following recommended seed rate, application of biofertilizers, soil test based fertilizer application, IPDM were demonstrated along with demonstration of soil & water conservation practices for mitigating effects of climate change, and also foliar application of selected nutrients (nitrogen, potassium and micronutrients) during stress period, particularly during drought situations. The demonstrations were implemented under 30 ha area covering 75 farmers. Beneficiary farmer Sri.Harish expressed that CSH-41 has resulted in a better growth and yield features, and an advantageous grain and fodder yield over local jowar crop is guaranteed. Dr.Shruthi, M.K., Scientist (Agronomy) provided information on improved sorghum cultivation practices and the programme was coordinated by Mr.Mohankumar, B.N., SRF, NICRA project.



Scientist (Agronomy) deliberating improved sorghum cultivation practices



**National Nutrition Week, September 1-7, 2024**

On the occasion of National Nutrition Week, September 1-7, 2024, ICAR-KVK, Chikballapura organized series of activities to create awareness about importance of balanced and nutritious diet. Dr. Soumya Hiregoudar, Scientist (Home science) and Dr. Tanweer Ahmed, Scientist (Agricultural Extension) organized a training programme on Assessment of nutritional status of rural women and children at Doddaganjuru village of Chintamani taluk. Assessment of Body Mass Index (BMI) of farm women with age group between 20-62 years showed that 18 women fall under normal, 08 fall were under nutrition and 04 were over nutrition category. Among the Children with age group of 05-12 years total 07 children were found to be under undernourished. Based on the above results recommendation of the nutritious diet to combat malnutrition was provided. Dr. Papireddy, Scientist and Head inaugurated one day training programme on balanced diet to combat the malnutrition organized for anganwadi workers and technical session was carried out by Dr. Soumya Hiregoudar, Scientist (Home science). Further, a programme on value addition in millets for nutritious diet was organized for self help group (SHG) members. 30 anganwadi workers, 28 SHG members and 12 children participated in the series of programme.

**Skill Development Programme on Entrepreneurship development through Cocoon Biocrafts**

ICAR-KVK Chikballapura in coordination with All India Coordinated Research Project – Women in Agriculture, GKVK, UAS, Bangalore organized Skill Development Programme on Entrepreneurship development through Cocoon Biocrafts. Dr. H.S. Shivaramu, Director of Research, UAS, Bangalore along with the other dignitaries inaugurated the programme and opined that entrepreneurship development would lead to gender empowerment. Dr. Papireddy, Senior Scientist and Head, highlighted about different skill development activities carried out at the Krishi Vigyana Kendra and urged the participants to make use of the facilities. Dr. B. Kalpana, Professor and Head, AICRP-WIA, emphasized on creation of wealth out of waste through value addition in pierced cocoons. Dr. Geetha M Yenkanchi, Scientist, AICRP-WIA addressed on to create employment generation to farm women through skill development is the motto of AICRP-WIA. Dr. Aruna. G.R, Technical officer demonstrated preparation of Cocoon garlands. Dr. Pallavi, Assistant Professor, College of Sericulture demonstrated preparation of Cocoon flowers, Bouquets and frames. Dr. Soumya Hiregoudar, Scientist (Home Science), addressed on packaging, labeling and marketing of bioproducts and Dr. Tanweer Ahmed, Scientist (Agricultural Extension) addressed on opportunities for self-employment and innovative marketing strategies. Total 25 rural women were participated in the programme.



Rural women of Doddaganjuru Village



Assessment of nutritional status of children at anganwadi



Training programme on balanced diet to combat the malnutrition



Inauguration



Group Photo



Preparing of bio crafts by participants

**Celebration of National Nutritional Month - 2024**

ICAR-Krishi Vigyan Kendra, Chikkamagaluru has organized One day Nutrition education and information programme for Anganwadi workers of Mudigere Taluk. A nutrition education and information programme on the eve of National Nutrition Maha-2024, held annually in September 2024- at KVK Mudigere jointly organised in collaboration with Women child welfare department, focuses attention on the importance of making informed food choices and developing sound eating and physical activity habits.

Dr. Sneha Shigihalli Scientist (Home Science) addressed that the National Nutrition Month is the perfect time to focus on the advantages of eating nutrient-dense foods. Nutrient-dense foods provide an impressive range of essential vitamins, minerals, macronutrients, and antioxidants. Eating these foods regularly can encourage a healthy diet, boost immunity, and help prevent disease and ailments.

In addition, nutrient-dense foods are usually low in calories yet packed full of essential vitamins, minerals, amino acids, and fatty acids our bodies need for normal growth and development. They can even help us achieve ideal body weight goals because they take longer to digest than more processed options. So this National Nutrition Month, make sure you're eating nutrient-dense food as part of a balanced diet for optimal health!

Recognizing the need to make healthy food choices and the nutritional and financial impacts during this National Nutrition Month and throughout the year. Making healthy decisions every day can have countless benefits, including improving overall well-being. Eating healthily on a budget is achievable with some planning and strategies to reduce food waste and lower reliance on unhealthy processed options. Finally, there are reliable resources available when it comes to looking for healthy eating information.

Mr. Mahesh, Child Development Project Officer of Mudigere Taluk, addressed in his speech the National Nutrition Mission, a multi-ministerial convergence flagship program of the Indian

government that began on March 8, 2018, to improve the nutritional status of children under six, adolescent girls, pregnant women, and lactating mothers in a time-bound manner using a collaborative and result-oriented approach. The Ministry of Women and Child Development (MoWCD), Government of India, is celebrating the 7th Rashtriya Poshan Maah 2024 from September 1st to September 30th, 2024, under POSHAN Abhiyaan.

This National Nutrition Month reminds us that small changes to food choices and physical activity can help improve our health and well-being, regardless of age. National Nutrition Month encourages us to recognize the importance of what we eat and how it influences our quality of life, providing us with resources and tips to help us navigate food choices.

The programme was chaired by KVK scientists, Dr. Suchitrkumari M H., Scientist (Plant protection).



### Training programmes on Animal nutrition and Health

Two training programmes on Animal nutrition and Health was organized at ICAR Krishi Vigyan Kendra, Babbur farm, Hiriyur in collaboration with on 12-09-2024 and 13-09-2024.

Dr. Kumara O., Senior Scientist and Head, KVK, Babbur farm, Hiriyur presided over the programme and during his presidential address he discussed that in recent years the number of cattle in farmers house is becoming less. Farmers are neglecting the use of farm yard manure and other organic manures and as a result of this they are facing many problems with respect to soil health, plant nutrition, pest and disease attack etc. He also suggested the farmers to adopt Integrated farming system. Rearing desi breed cattle will be one of the important income generating activity for farmers, they can earn income on daily basis by selling the milk. Along with this, farmers can make use of cow dung and urine for preparing jeevamrutha, beejamrutha etc, using these organic formulations will improve the soil health status as well as make the plants healthy and sturdy against many pest and diseases.

Dr. S. Onkarappa, Scientist (Plant Protection), KVK Babbur farm participated in the programme as chief guest and during his speech he suggested the farmers to adopt organic farming and integrated farming system which helps in maintaining human health and also suggested them to keep in contact with KVK scientists for advisory on pest and disease incidence.

Mr. Anand R. Bingeri, Project Officer, BAIF, Tiptur inaugurated the programme and during this inaugural speech he briefed about the activities of BAIF and informed about main centres of BAIF institute are located at Pune and in Karnataka the Head office is at Tiptur, Tumakur district. He also shared information about Shwethadhara project. Dr. Saraswathi J.M., Scientist (Home Science), and Dr. Mahantesh, Scientist (Horticulture) were present in the inauguration programme, Mrs. Geetha Kumari B N, Senior technical Officer, KVK hosted the programme.

Around 47 farmers and Farm women from various taluks of Chitradurga have participated in the programme. (Dr. O. Kumara and Mrs. Geetha Kumari B N)



### Field Day programme on Little millet

A field Day programme on Little millet was organised in collaboration with Department of Agriculture, Hiriyur at Rangavvanahally village, Hiriyur taluk on 13-09-2024.

Dr. Kumara O., Senior Scientist and Head, KVK inaugurated the programme and during his inaugural speech he briefed about the nutritional value of various millets. He discussed about local names of various millets and suggested that one should use millets in their daily diet since millets are rich in vitamins, minerals and dietary fibre. They serve as a good source of protein, micro nutrients and Phytochemicals. They also help in weight reduction and maintenance of BMI and Blood pressure, they can be consumed by people suffering from Diabetes.

Mr. Manjunath, Assistant Director of Agriculture, Hiriyur was presided over the programme and he discussed about the various schemes and programmes implemented by Agriculture Department, he also suggested the farmers to grow more of millet crops, which are having good demand in cities.

Mr. Rajanikanth, Assistant Director of Agriculture, DATC, Babbur Farm was participated as Chief guest in the programme and he briefed about the safe and judicious use of pesticides. He also suggested the farmers to follow all the precautionary measures while spraying the pesticides. He also discussed about the importance of seed treatment.

Around 100 farmers participated in field day and also local farmers leaders were present in the programme. (Dr. O. Kumara and Mrs. Geetha Kumari B N)



### Field Day on High yielding Ridge Gourd (Variety Arka Prasanna)

**Contributors:** Dr. Rashmi R., Dr. Kedarnath and Dr. T.J.Ramesha

The ICAR- Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the FLD-Field Day on **Demonstration of High yielding Ridge gourd variety Arka Prasanna** at Nittade, Belthangady taluk. On this occasion Dr. Rashmi R., Scientist (Horticulture) provided detailed information to farmers about Ridge gourd cultivation practices to achieve higher yields. Dr. Kedarnath, Scientist (Plant Protection), Mangaluru explained about plant protection activities for sustainable and effective management of pest and diseases. Mr. Sandeep Wilson, farmer shared feedback on Arka Prasanna variety that it is **early variety first picking starts at 42-45 days, green, long, tender fruits, and excellent cooking quality** compared to local variety. A total of 25 Farmers and farm women participated in the programme.



### Skill Development Training Programme on Quality seedling production of Horticultural Crops

**Contributors:** Dr. Rashmi R. and Dr. T. J. Ramesha

ICAR-Krishi Vigyan Kendra (Dakshina Kannada), Mangaluru organized five days **‘Skill Development Training Programme on Quality seedling production of Horticultural Crops’** for farmers and farm women at Betampady, Puttur from 27 to 31 August 2024. Mrs. Anitha M., Progressive farm women inaugurated the programme. Dr. T. J. Ramesha, Senior Scientist and Head of ICAR-KVK Mangaluru presided over the programme and briefed about the importance of quality planting material in Horticultural crops. The five days training focused on scope and importance of plant propagation, Sexual and Asexual propagation, budding, layering and grafting, Mass Scale Plant Production of fruit Plants, vegetables, Flowers, integrated nutrient management in nursery and integrated weed, pest and disease management in nursery and method demonstration of pro-tray method of quality vegetable seedling production, grafting and budding in fruit crops.

Dr. Rashmi R. Scientist (Horticulture) ICAR-Krishi Vigyan Kendra Mangaluru, served as a resource person for the technical sessions and Mr. Chethan, Nurseryman served as a resource person for method demonstration on grafting and budding in fruit crops. Protrays and Jiffy plugs were provided to 25 participant farmers of the programme.



**Exposure Visit of TSP Beneficiaries**

ICAR-Taralabalu Krishi Vigyan Kendra conducted exposure visit of TSP-Farmers from Kalledevarapura village of Jagalur taluk to Horticulture Research and Extension Centre, Arsikere, ICAR-Krishi Vigyan Kendra, Kodagu and ICAR-JSS Krishi Vigyan Kendra, Mysore. Mr. M.G. Basavanagowda, SMS (Horticulture) was incharge of the visit. During the visit the farmers came to know about the different coconut based cropping systems, varieties of coconut, major plant protection system in coconut at HREC, Arsikere. In Krishi Vigyan Kendras they studied about different demonstration units established by Krishi Vigyan Kendras, Farm activities and special achievements of Krishi Vigyan Kendras.



**Skill Development Training on Post-Harvest Technology and Value Addition**

On the eve of 100 days programme ICAR-Taralabalu KVK, Davanagere conducted 5 days Skill Development Training Programme on Post-Harvest Technology and Value Addition. Twenty-five members from Shubhalakshmi Mahila Mandal were participated in the programme.

During this programme, Dr. Basavanagowda M G, SMS (Horticulture) provided information on Golden Jubilee Celebration of KVKs, Kisan Samridhhi and also hands on training on preparation of Amla Laddu.

Dr. Supriya P Patil, Programme Assistant (Home Science) imparted knowledge on Value addition in Agriculture and Horticulture crops, FSSAI license, packing, branding and nutritive analysis of the product. She also gave hands on training on preparation of BaKAHu, Bakahu burfi, Coconut chips, Tomato Soup Powder, Foxtail Millet Besan Laddu, Little Millet Nipattu and Omega 3 Rich Laddu.

Dr. K P Basavarajappa, Secretary Taralabalu Rural Development Foundation, Sirigere highlighted the importance of food processing and Kisan Samridhhi.



**Field Day in Integrated Crop Management in Onion**

ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere conducted field day on “Integrated Crop Management in Onion” at Nibagur village of Jagalur taluk. Bhima Dark Red variety of Onion was provided to Farmers for demonstration. By practicing scientific management practices like seed treatment, use of micronutrient, prophylactic spray with plant protection chemicals helps in getting the better quality yield as described by Horticulture Scientist Mr. Basavanagowda M.G. Mr. Nagaraj, Farmer shared his experiences in cultivation of the onion crop with other farmers. Dr. Avinash T.G., Scientist (Plant Protection) gave details on the crop rotation, plant protection measures and storage issues.



**Agriculture Drone Technology demonstration in paddy**

ICAR- Taralabalu Krishi Vigyan Kendra, Davanagere conducted the spraying of the NANO urea and Neem oil in Paddy crop through the Agriculture Drone sprayer under Agriculture Drone Technology Demonstration Project at Halebathi, Davangere taluk of Davangere District. Mr. Mallikarjuna B.O SMS (Agronomy) explained that as a part of 100 days program, we are introducing the new method of spraying to the crops in this village. Explained about the technologies involved in Agriculture drone sprayer and its effectiveness on crops, soil and human health regarding the integrated nutrient management practices. Explained in detail the central government schemes regarding the drone trainings and youths can become

entrepreneur. Mr Nagaraju H.M, Progressive farmer expressed that time, water and energy is saved by using the drone and in future this will be made available in our village on rental basis. Taken up the spraying of 48 acres of paddy crop.



### Training program on Climate resilient technology in field crops

Mr. Mallikarjuna B.O. SMS (Agronomy) conducted the training program on the management of field crops under change in the climate conditions for the CCINM, trainees attended the program at ICAR – Taralabalu KVK, Davangere. Explained them about the climate resilient technologies during the excess moisture and low moisture conditions. Field visit to the kvk instructional demonstration plots (Direct seeded rice, Cotton and Soy bean) Plots.



### Assessment of Different Methods for Management of Thrips in Banana

On farm trial on Assessment of Different Methods for Management of Thrips in Banana implemented in Halekal Village of Jagaluru taluk. In the OFT Two technologies are assessed along with Farmer practice. Technology option 1 from TNAU – Coimbatore, Covering of bunches with polythene sleeves soon after opening of last hand. Technology option 2 from ICAR-AICRP on fruits Gandevi, Gujarat, bud injection with Imidacloprid 17.8% SL at the time of flowering. These technologies are assessed with regular farmer practice. Dr. Avinash T. G. SMS (Plant Protection) said that Thrips becomes major problem in Banana due favourable environment condition and lack of proven technology for the effective management. Due to its infestation farmers are getting reduced marketable quality and less price. In the present study suitable technologies are assessed for effective management of the pest. During the visit H. M. Sannagoudra SMS (Soil Science) highlighted the nutrient importance in getting good yield.



### Awareness Program on Soil Health and Fertility

Dr. Pallavi T., Subject Matter Specialist (Soil Science) contributed her expertise as resource person in training and awareness programme on 'Soil Health and Fertility' organized by Dept. of Agriculture on 05.09.2024 at Bommapura village, Hubli taluk. The program addressed a wide range of essential topics related to soil health and fertility management. Dr. Pallavi emphasized the importance of meticulous soil sampling, precise soil testing and insightful

interpretation of soil health cards. She urged the farmers to consider the soil test based recommendations from the scientists for the application of fertilizers. Furthermore, she advised the farmers to practice Integrated Nutrient Management (INM), to amalgam chemical fertilizers along with organic manures, green manures and bio-fertilizers, besides agronomic measures viz. cover crops and crop rotation to improve soil fertility, enhance crop production as well as farm income sustainably.



### Distribution of Krishi Mela Posters

Krishi Mela at University of Agricultural Sciences, Dharwad is Held from 21-24th September, 2022. In order to reach this information to every village, posters are being distributed by KVK



**KVK-Ernakulam Partners with Krishikoppam Kalamasserry to conduct Fish Farmers Seminar**

The ICAR Krishi Vigyan Kendra (KVK) actively participated in a seminar for fish farmers, organized by Krishikoppam Kalamasserry, on September 1, 2024, at NIFAM, Kadungaloor. The event

was attended by approximately 70 fish farmers, along with officials from the Fisheries Department. The seminar was inaugurated by Shri P. Rajeev, Honorable Minister for Law, Industries, and Coir. Dr. P.A. Vikas, Subject Matter Specialist (Fisheries), led the main session, delivering an insightful presentation on the prospects and challenges in fish farming.





**SKILL TRAINING ON TAILORING TRADE**

The Skill Training Programme was organised to enhance the livelihoods of Scheduled Caste (SC) women from 21-08-2024 to 30-08-2024 at ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti in collaboration with ICAR-NAARM, Hyderabad. The training programme was inaugurated by Dr. Balakrishnan, Principal Scientist and Chairman of the SCSP Scheme, ICAR-NAARM, Hyderabad. During his inaugural speech, Dr. Balakrishnan emphasized the importance of extending such schemes to every Scheduled Caste (SC) family in the district and encourage women to grab the opportunity for self-employment through the skill training.



The Chief Guest of the programme, Dr. Shivakumar, Director, SBI-ASF-RSETI, Hulkoti, highlighted RSETI's commitment to self-employment initiatives and urged both unemployed youth and young women to take full advantage of the programmes available. The President of the inaugural programme, Honorable Shri D.R.Patil, Chairman of ASF & KVK, Hulkoti and Ex-MLA, Gadag, spoke on the necessity of self-employment and skill acquisition for every

household in the district. Further he said that, women play a significant role in family development through her dedicated efforts. Furthermore, he proposed that the ICAR-NAARM, Hyderabad and ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti to collaborate more closely in the coming years to foster self-employment across Gadag district families.

On this occasion, Shri J.K.Jamadar, Station Director, Sahakar Radio Gadag, Shri Nagarahalli, Rtd., DDP Land, Gadag, Dr L.G.Hiregoudar, KVK advisor and Secretary ASF, Hulkoti and Smt.Nagaveni Vadavadagi, Trainer / Resource Person were also present in the programme.

Dr. Sudha V. Mankani, Senior Scientist and Head (I/c.) welcomed the Guests and introduced the objectives of the training programme. Further, 20 sewing machines were distributed to SC Women of Beladhadi tanda village of Gadag taluk to support their transition into self-employment, marking a significant step toward enhancing their economic independence and contributing to their families livelihoods.



### National Nutrition Week

ICAR-KVK, Hassan celebrated the National Nutrition week programme in collaboration with the women and child welfare department, Hassan on 04/09/2024 at KVK, Kandali, Hassan. Mrs. Bhagya, Member of Kandali Grama Panchayath, Hassan has inaugurated the programme and in her inaugural speech she said that this nutrition programme should be a day-to-day meal program for all the people in the country then only this celebration will become meaningful. she also said that eradicate malnutrition people should change the people mindset to give nutritious food for their family and children.

Dr. Rajegowda, senior scientist and head, KVK, Hassan has chaired the programme and during his presidential remarks he said that creating the awareness among the people about importance of balanced food is very much need of hour. So, participants should imbibe the knowledge from this programme and transfer this knowledge on nutrition to their family and their neighbors.

Dr. M. Shivashankar, Scientist (Home science) KVK, Hassan during his introductory remarks, he mentioned the statistics that country had 46 per cent of malnutrition which is very high in Bihar and Uttar Pradesh state and Karnataka has 44 per cent of malnutrition among the people so to address this issue, creating awareness among people about the importance of nutrition food is very important and to achieve this objective this national nutrition week is celebrating in every parts of the country on September first week of every year. Further, after the inauguration he delivered the class on Nutri-garden importance in daily diet, Nutri-garden layout and components of Nutri-garden. Finally, they were taken to the well-maintained nutri-garden plot at aduguru of Hassan taluk. Dr. Nagaraja, T., Dr. Pallavi, N., scientists of KVK, Hassan and women farmers of Hassan district were participated in the programme and the programme was anchored by Dr. Sanketh, C. V. Scientist (Agricultural Extension), KVK, Hassan.



### Capacity building programme on “Scientific Sheep and Goat farming”

ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) organised two day's training programme on “Scientific Sheep and Goat farming” from 12.09.2024 to 13.09.2024. Dr.Guruprasad.G.S, Senior scientist and Head, KVK Haveri in his inaugural speech briefed about importance of animal husbandry activities in sustainable Integrated Farming System. Further, he highlighted Sheep and Goat rearing can be practiced by any of economical group of people for self-sustaining their livelihood.

Chief Guest of the programme and Progressive farmer Mr. Chandrappa Nagenhalli, explained that in the rural areas even women and unemployed youths can involve in sheep and goat rearing to obtain sustainable income.

Two days programme was organised by Dr. Mahesh Kadagi. Scientist (Animal Science) and he explained different topics including different breeds of Sheep and Goats, Feed and fodder management of Small ruminants, Commonly occurring infectious and non-infectious diseases, their control measures and Different Schemes of State and Central Government including National livestock Mission (NLM).

Dr. Siddagangamma, SMS (Agronomy) narrated different legume and non-legume green fodder cultivation methods for year round fodder supply and Dr. Akshata, SMS (Home Science) briefed about value addition of sheep wool and goat milk.

Last day of training programme trainees were visited KVK Demo units Viz Sheep Farm, Fodder Block, Azolla Unit, Dairy Farm and Nursery Unit. Totally 50 farmers were participated.



### Celebration of National Nutrition Week-2024

On the occasion of National Nutrition Week-2024 ICAR- KVK Hanumanamatti (Haveri) in collaboration with SKDRDP trust conducted off campus capacity building training programme on “Nutri Gardens- As a Sustainable Solution for Nutrition Security” at Ranebennur, Kumarapatnam and Byadgi. During the celebration, Dr. Akshata Ramannanavar SMS (Home Science) delivered a talk on the theme “Nutritious Diets for Everyone.” She emphasized the importance of nutrition through “My Plate for The Day” concept developed by NIN Hyderabad which promotes health, prevents hidden hunger and protects from

diseases. Further highlighted that according to “My Plate for The Day” one should include right amounts of green leafy vegetables, other vegetables & fruits, cereals and nutriceals, pulses along with an adequate intake of meat and meat products, nuts & seeds, oils & fats and Milk/Curd/Buttermilk. She also advised reducing the consumption of refined sugars, oils and maida. The program mainly stressed the importance of including green leafy vegetables, other vegetables, and fruits in daily diets to prevent micronutrient deficiencies and promote overall well-being. In the training program encouraged participants to establish nutri-garden at their backyard/premises and explained about the layout of nutrigarden for continuous supply of fresh vegetables to meet the nutritional security of the family. Dr. Basamma Hadimani SMS (Plant Protection) stressed on natural and eco-friendly methods of pest and disease control in nutri gardens. On this special occasion distributed Nutrigarden Seed kits to farm women. The event concluded with a strong emphasis on adopting healthier dietary practices. A total of 80 farm women witnessed the program.



### Skill development programme on Beekeeping

ICAR-KVK, Haveri in collaboration with ATMA, Agriculture department, Haveri organized five days skill development program on “beekeeping” on 08-09-2024 to 13-08-2024. The program was inaugurated by Dr. Guruprasad G. S., Senior Scientist and Head, KVK Haveri and he delivered lecture on introduction to apiculture and role of beekeeping in IFS for increasing farmers income. Shri. Harish Shiravalli, Ph. D. Scholar, Dept. Entomology, UAD Dharwad, demonstrated and gave hands on training on handling of bees, their caste system, role and extraction of honey. Shri Shankaragouda Patil, Progressive Farmer, Byadgi highlighted importance of beekeeping in seed production and urged to participants to practice bee keeping for sustainable income. The training sessions were handled by Dr. Basamma Hadimani, SMS (Plant Protection). About 40 farmers participated in the program.



ICAR- Krishi Vigyan Kendra Idukki to implemented Scheduled Caste Sub Plan project funded by ICAR-Indian Institute of Rice Research, Hyderabad, entitled: “Enhancing The Livelihood Security of Scheduled Caste Farmers of Chillithodu Ward in Mannamkandam Village of Adimaly Block in Idukki District of Kerala Under SCSP Scheme 2023-24” Under IIRR, Hyderabad SCSP Scheme”.

Scheduled Caste Sub Plan Scheme “Enhancing The Livelihood Security of Scheduled Caste Farmers of Chillithodu Ward in Mannamkandam Village of Adimaly Block in Idukki District of Kerala Under SCSP Scheme 2023-24” jointly implemented by Krishi Vigyan Kendra, Idukki and Adimaly Grama Panchayat with the funding of ICAR- Indian Rice Research Centre, Hyderabad was conducted at Chillithodu Ward.

Sri. Ansari, Valara block division member presided over the programme. Dr.S Jayababu, SMS Animal Husbandry, KVK Idukki, welcomed the delegates and Scheduled Caste farmers who participated in the function. The program was inaugurated by Smt. Soumya Anil, President, Adimaly Grama Panchayat. In her inaugural address he deliberated on the importance healthy and safe to eat production of crops and also maintaining traditional

germplasm of Paddy by the Scheduled Caste Communities as a part of traditional variety conservation. she also pointed out the techniques to ensure the livelihood security of paddy farmers and given suggestions to farmers. Dr. R Marimuthu, Senior Scientist and Head deliberated on project details during the function. Smt. Nisha Santhosh, CDS Chairperson, social workers, Agricultural Assistant Adimaly Krishibhavan felicitated the programme. After the inaugural session, technical products namely Bioinputs like Pseudomonas, Trichoderma, Neem Soap, Arka Microbial Consortium, Peacilomyces, VAM, IIRR Vegetable special, PGPR Capsule, Knapsack sprayers, were distributed to the SC farmers. Ms. Ashiba A, Subject Matter Specialist (Agronomy), Krishi Vigyan Kendra, Idukki conducted a class on Integrated Nutrient and fertilizer application in Rice Cultivation. The scheme was implemented for 100 selected Scheduled Caste farmers. The project was implemented by the Project coordination of Principal Investigator Dr. R Marimuthu, Senior Scientist and Head, KVK Idukki and Co- Investigators Ms. Preethu K Paul, SMS Agricultural Extension, KVK Idukki, Mr. Sudhakar Soundarajan, Subject Matter Specialist (Plant Protection) and Ms. Ashiba A, Subject Matter Specialist (Agronomy).



### Awareness program on NABL government Soil Testing Laboratory Recognition Scheme

Directorate of Extension, University of Agricultural Sciences, Raichur conducted one day Awareness program on NABL Government Soil Testing Laboratory Recognition Scheme in collaboration with National Accreditation Board for Testing and Calibration Laboratories and Quality council of India, Bangalore at Conference hall, UAS, Raichur on 10.09.2024.

Inaugurating the program Dr. S. B. Goudappa, Director of Extension said that this type of workshop helps to our staff to handling the equipments and accurate results. Dr. D. V. Shrinivas Reddy, Principal

Scientist, ICAR-ATARI, Zone XI, Bengaluru chaired and during his address he said that soil scientists and technical staff of soil science laboratories make use of this opportunity to upgrade your labs for the accuracy in results for soil health management. Later, Sri. Siribabu, Assistant Director and Sri. Krishnaraj, Project Manager, QCI-NABL Regional Office, Hebbal, Bengaluru presented about NABL registration, recognition procedures. In this programme Dr. K. Narayana Rao, Dean, College of Agriculture, Dr. Jagruti B. Deshmanya, AO, UAS, Raichur, Dr. Basavanneppa, Head, OFRC, Soil scientists and technical officers (Soil Science) and PG Students were presented and got benefitted from the programme.



### Training programme on Improved practices in Mango and Onion

Horticulture Extension Education Unit, Yadgir, UHS, Bagalkote and Department of Horticulture, Yadgir jointly organized One day training program on Improved Practices in Mango and Onion to the farmers and staffs at Yadgir on 11.09.2024.

Dr. Sanmati Nayak, A.T.S., Scientist (Horticulture), ICAR-Krishi Vigyan Kendra, Kalaburagi-I participated as a resource person and delivered a lecture on improved production technologies in Mango and Onion crops. Dr. Shashikala Ruli, Scientist (Home Science) briefed about importance and procedure of storage and value addition of mango and onion. Dr. Rajakumar, M., Scientist (Entomology) explained about integrated pest and disease management in both the crops. In this programme, Md. Azamuddin, Deputy Director, Department of Horticulture, Yadagir, staffs and more than 50 farmers were presented.



**Field visit to “Para wilt” affected Cotton plots of Jewargi Taluka**

On September 05, 2024, scientists from KVK, Kalaburagi-II (Raddewadagi) conducted a visit to the “Para wilt” affected Cotton plots at Sangavi village of Jewargi taluka. The fields were unfortunately affected with “Para wilt” due to heavy downpour. Dr. Chethan, T. Scientist (Horticulture) respectfully recommended creating appropriate drainage channels to withstand heavy downpours, as it was observed in the same field that there was a possibility of water stagnation during heavy rains. It was proposed to Dr. Mallappa, B. Scientist (Agronomy) to consider using pesticides that are part of the package of practice for this reason. In the same field, scientists noticed a magnesium nutritional deficiency called leaf reddening in cotton. Dr. Chandrakant, Scientist (Soil Science) suggested the application of magnesium sulphate @ 10 gm/litre to overcome the deficiency symptoms.



**CDP on improved production technologies to SC farmers under SCSP programme**

On September 10, 2024, ICAR-KVK, Kalaburagi-II (Raddewadagi) organized an off-site capacity-building session for Scheduled Caste (SC) farmers in Ranjanagi village, Jewargi taluka, as part of the SCSP initiatives. The session focused on addressing issues related to Kharif crops. Dr. Chethan, T. (Scientist, Horticulture), presented a talk on enhanced production techniques for chilli and tomato cultivation. Dr. Mallappa (Scientist, Agronomy) provided insights into improved production methods for red gram. A live demonstration of nipping machines was also conducted in the field. Approximately 32 farmers participated in this off-campus capacity-building program, gaining valuable knowledge and inputs to enhance their agricultural practices.



## Unlocking the Potential of Mushrooms: KVK Kannur Leads Hands-on Training for Aspiring Entrepreneurs

A five day skill development training on mushroom cultivation and processing was successfully conducted at Krishi Vigyan Kendra (KVK) Kannur from September 2 to 6, 2024, under the 100 Days Action Plan Programme. The training aimed to equip participants with hands-on knowledge and skills for mushroom cultivation, processing, and marketing. The programme was inaugurated by Dr. Jayaraj P., Senior Scientist and Head, KVK Kannur. In his inaugural address, he highlighted the growing opportunities in mushroom cultivation and the potential for value addition, which can significantly boost rural entrepreneurship.



The training concluded with positive feedback from participants, who expressed confidence in starting their mushroom ventures. KVK Kannur continues to empower rural communities with practical knowledge and skills, fostering sustainable agricultural entrepreneurship.



The technical sessions featured subject matter experts from KVK Kannur. Dr. Manju K. P., Assistant Professor (Entomology), led a comprehensive session on the cultivation of different varieties of mushrooms, focusing on scientific methods and techniques to enhance yield and ensure quality. This was followed by a session on mushroom processing and value addition, conducted by Dr. Elizabeth Joseph, Assistant Professor (Home Science). She demonstrated the various methods to process mushrooms into high-value products, emphasizing their economic benefits. Dr. Jayaraj P. also conducted an interactive session on the branding and marketing of mushrooms, providing insights into strategies for reaching a broader market.

A total of 30 participants actively took part in the training programme. They were also inspired by the experience-sharing session, where Sri. Rahul N. V., Smt. Sushama, Smt. Remyamol, mushroom entrepreneurs, previously trained under the ARYA (Attracting and Retaining Youth in Agriculture) programme of KVK, shared their success stories and practical experiences.



### Demonstration of Drone micronutrient (KAU-Sampoorna) application in Paddy field

ICAR-KVK, CPCRI, Kasaragod conducted a field demonstration on "**Micro nutrient application in paddy using Drone**" at Kumdamkuzhy Kottavalay Padasekharam, Bedadka Panchayath on September 10 & 11, 2024 in association with ATMA, Kasaragod. The program was inaugurated by Ms. M Dhanya, the President, Bedadka Panchayat, and was attended by ward members and agriculture department officials. A demonstration was carried out in 20-acre; conducted by Dr. Benjamin Mathew, SMS-Horticulture, and Dr. Daliyamol, Scientist-Plant Pathology, ICAR-CPCRI; the licensed drone pilots of CPCRI. Sixteen farmers from the Kottavayal Padasekharam participated in the demonstration



### World coconut Day 2024

ICAR-CPCRI & ICAR-KVK jointly organized the World Coconut Day with the theme "Coconut for a circular economy building: partnership for maximum value" was celebrated on September 02, 2024 at ICAR-CPCRI, Kasaragod. The programme was inaugurated by Sri. P. Prasad, Hon'ble Minister for Agriculture, Govt. of Kerala and was presided over by Dr. S.K. Singh, DDG (Hort. Sci.) ICAR, New Delhi. The minister emphasized the importance of coconut based farming system for the promotion of circular economy. He also mentioned the coconut-based secondary agriculture to benefit entrepreneurial growth in agriculture. Around 160 farmers and entrepreneurs

participated the programme. During the programme "Aerated coconut water" a technology developed by ICAR Krishi Vigyan Kendra was transferred to an entrepreneur from Uppala, Kasaragod which was launched with the brand name 'Zila'.



### Inauguration of "SAAS-Millet Unit" at Periya

The ICAR-KVK trained entrepreneurs have started a millet processing unit named "SAAS" at periya Kasaragod with the financial support from Pullur Periya Grama panchayat. The unit was inaugurated by Mr C.K. Aravindakshan, President, Pullur periya Grama panchayat on 4th September 2024. The group established the processing facilities which include milling, drying & packaging unit and produce Poshak Powder, Millet health mix & Ragi Powder. The unit was established by Ambika, Anitha, Sumitha & Shiny and mentored by Ms. Usha N Nair, Periya. The programme was scheduled during the National Nutrition Week celebration of KVK and the message on the theme "Nutritious Diets for Everyone" was delivered by Dr Manojkumar TS, Head, and Dr Saritha Hedge, SMS-Community science KVK, Kasaragod.





**Capacity building programme on 'Nutrition Gardens and Healthy Diets' conducted at Jungle Haadi by ICAR-KVK Kodagu**

On 9<sup>th</sup> September 2024, ICAR-KVK Gonikoppal, Kodagu, celebrated Poshan Maah (Nutrition Month) by hosting a capacity-building programme focused on 'Nutrition Gardens and Healthy Diets.' The event commenced with a warm welcome from Mr. Prabhakara, Head of KVK, who emphasized the critical role of nutrition in our daily lives. The session featured Dr. Mrunal Barbhai D, SMS (Home

Science), who led an engaging and interactive discussion on various nutrition-related topics. Dr. Barbhai covered essential aspects such as balanced diets, the benefits of incorporating leafy vegetables, and the management of nutritional deficiencies through healthy eating. As a highlight of the programme, participants were served ragi malt, demonstrating a practical application of nutritious food preparation. The event was attended by 30 enthusiastic participants, including Panchayat member Mrs. Vijaya, who also contributed to the programme's success.



### National Nutrition week - Poshan Abhiyan programme

ICAR KVK Kolar in collaboration with the Department of Women and Child Development, Department of health and district judicial service Kolar organized Poshan Abhiyan programme at KVK, Kolar on 03.09.2024. Shri Sunil S. Hosamani district judge inaugurated the programme and Dr. Venkastehalu, Dean, COH, Kolar presided the programme. Narayan Swamy, Deputy Director, women and child development, D. N. Jagadeesh DHO, Kolar district and Dr Ragavendra Shertigar district Ayush officer chaired the event as the chief guests.

Dr. Shivakumar, Head of Clinical and Nutrition Department from SDUAHER Kolar delivered a lecture on the importance of micronutrients in human health. Dr. Prema, Health education officer Kolar expatiated the importance of a balanced diet in human health and Dr. Chikkanna, Scientist (Home Science) briefed on the importance of the minor millets in human diet. Around 120 Anganwadi teachers participated and benefitted from the programme.



### Off campus training on Defoliating pests of mulberry and their management

KVK Kolar and Dept of Sericulture, Kolar jointly organized off campus training on Defoliating pests of mulberry and their management at Nayakarhalli, Kolar taluk on 3.9.2024. Shri S.N. Srinivas, DDS Kolar & Shri Byregowda, ADS, Kolar witnessed programme. Around 40 sericulture farmers participated and benefitted from the programme.



### On campus capacity building programme on Disease management in milch animals and production of quality milk

KVK, Kolar Scientists organised on campus capacity building program on Disease management in milch animals and production of quality milk on

04.09.2024 under SCSP programme at KVK, Kolar. Dr. Vishwanath, Chief Veterinary Officer, Kolar delivered a lecture on Disease management in milch animals and production of quality milk. Dr. Manjunatha Reddy T.B, Scientist (PP) organized & coordinated the programme. Around 40 farmers were participated in the program and 25 cow mats were distributed to beneficiary dairy farmers.



### Trimonthly workshop

ICAR-KVK Kolar organized a trimonthly workshop for horticulture department officials of Kolar, Chikkaballapur and Ramanagar districts on 05.09.2024. Dr. Kumar Swamy, Deputy Director of Horticulture, Kolar participated as Chief Guests. Dr. Manjunath Reddy, Scientist (PP), Dr Aswath Narayan Reddy, Assistant Professor (Entomology), Dr. Asha K.M., Scientist (Hort.) participated as Resource Persons. Dr. Anil Kumar S., Scientist (Soil Science) served as a Resource Person and presided over the workshop. A total of 60 horticulture department officials participated in the workshop.



### Training session of Farmer Field School

ICAR KVK Kolar inaugurated and initiated the first session of Farmer Field School on "Good Agricultural practices in Mango orchard for achieving high and good quality yield" at Lakshmisagara village of Srinivaspura taluk on 06.09.2024. Dr. Shivanand V Hongal, SS&H inaugurated the session and addressed the farmers on ill management practices followed by the farmer's in their fields. Dr. Asha, K.M., Scientist (Horticulture) organized the programme and delivered lecture on after harvest management practices in mango orchard including clean cultivation, soil fertility management, pruning techniques, nutrient management, management of stem borer infestation in mango, water management, etc. During the session a method demonstration on

pruning techniques, application of calcium, preparation & application of stem protection paste was also conducted. As part of FFS T-shirts were distributed to 25 participants. Mr. Srinivas Gowda, Director, Mango FPO Lakshmisagara alongside 35 farmers participated and benefited from the programme.



### Two day capacity-building program on promoting agri-entrepreneurship, institutional arrangements, and market linkages for FPOs

ICAR-KVK Kolar organized a two-day capacity-building program on promoting agri-entrepreneurship, institutional arrangements, and market linkages for FPOs, in collaboration with the Segahal Foundation, Kolar from 09.09.2024 to 10.09.2024. Parthasarathi and Dhananjaya from Skill Green Global served as resource persons, delivering lectures and hands-on training on business development skills. Dr. Anil Kumar S, Scientist (SS&AC), KVK, Kolar highlighted about Kisan Samridhi branding opportunities and the marketing assistance provided by KVK Kolar for FPOs, entrepreneurs and individual farmers. A total of 40 participants were benefitted from the program.



### Awareness programme on "Reasons for Non-Spinning of Silkworm an Awareness programme on "Reasons for Non-Spinning of Silkworm and their precautionary measures"d their precautionary measures"

KVK Kolar and Dept of Sericulture, Kolar jointly organized awareness programme on "Reasons for Non-Spinning of Silkworm and their precautionary measures" for Owners of Chawki Rearing Centres, FPO Directors and Bivoltine progressive farmers at Govt. Model Grainage, Kolar on 11.09.2024. Shri S.N. Srinivas, DDS, ZP Kolar briefed on Silkworm crop loss due to residual toxicity of pesticide under mulberry. Dr. Shashidhar K.R., Scientist (Sericulture) explained about Suitable and safe use of pesticide for mulberry. Dr. Anil Kumar S., Scientist (Soil Science) addressed on soil fertility management in mulberry. Around 50 members participated and benefitted from the programme.



### Farm Workers Army- A solution to the shortage of labourers in Kollam District

In Kerala one of the major reasons for the farmers to refrain from Agriculture is higher wages of labourers and poor quality of work. An SC Farmers Implements and Equipment Utility Centre was established at KVK Kollam for improving livelihood of SC farmers. This facility provides access to SC farmers to usage of farm implements/ machinery necessary for their farming of major crops which in turn reduce the cost of cultivation and drudgery of agricultural labourers of SC population. It also provides work opportunities to skilled labour among SC population and timely agricultural operation thereby increase

production and time. To strengthen the technical skill of SC farmers, a capacity development programme on “**Operation, repair, service and maintenance of small farm machineries**” was conducted at KVK, Kollam for the period from 5/8/24 to 9/8/24 for 5 days to bridge the gap of lack of agricultural labour trained in the proper use of machinery and thereby provide an avenue for self employment to the target group of Sc farmers. The programme covers the operation and maintenance of brush cutters ( battery operated and petrol operated), Power weeder, Mini Tillers, Power Tiller, Auger digger, Pole pruners, Rocker sprayer, Coconut climbers etc.). 10 coconut climbers were also distributed to the participants.



### Field day on Sunflower (RSFH-700) in gudur village

ICAR KVK Koppal organized field day on 2.9.2024 in gudur village Karatagi taluk Koppal district. Dr. Kavitha Y Ullikashi scientist (Home Science) inaugurated the programme by watering the plant, in his inaugural speech mentioned that sun flower is an important oil seed crop contributes 14 per cent of the total oil seed production from other major oil seed crop. Sunflower RSFH-7000 is short duration; it is fit for well in multiple and inter cropping system. Sunflower has wide adaptability to different soil and also tolerant to

drought and saline condition. Since due to disease the production was affected, hence UAS Raichur developed variety with resistant to rust and necrosis disease. Dr. Radhaa J Scientist (seed science and technology) explained the different characteristics of the RSFH-700 variety released by the UAS, Raichur and encouraged the farmers to adopt in large scale. Dr. Jyothi .R Scientist (Horticulture), explained the ICM practises in sunflower. Sri Progressive farmer shared his experience of sunflower crop with other farmers. About 60 farmer and farm women were benefitted the programme.



### Celebration of parthenium awareness day by ICAR KVK Ganagavthi

*Parthenium hysterophorus* L. (Asteraceae), native to North and South America and the West Indies, is a weed that causes severe health issues, such as dermatitis, asthma and bronchitis among humans and livestock and agricultural losses, posing a threat to biodiversity and crop yield losses. To sensitise the public, farmers, school and college students on the harmful effects of parthenium, ICAR KVK Ganagavthi organised parthenium awareness day on 4.9.2024 in ICAR KVK Koppal premises. Farmers of Koppal participated in the programme. Dr. Kavitha Y Ullikashi scientist (Home Science) explained the impact of parthenium on agriculture and human health. Dr. Jyothi. R Scientist (Horticulture), explained the management of parthenium in agriculture fields. More than 50 farmers participated in the programme.

### Celebration of Poshan Maha and nutrition recipe competition in school

Under Poshan Abhiyaan, 'Rashtriya Poshan Maah' is celebrated each year in the month of September with the aim to create awareness about nutrition and healthy food. ICAR KVK Koppal home scientist Dr Kavitha Y Ullikashi participated in nutrition programme in BBC primary school gangavathi. The inaugurated programme by watering plant by smt Manjula. Dr Kavitha Y Ullikashi Scientist (Home Science) explained the management of malnutrition in children. Smt Veena Scientist (agriculture engineering) explained about importance of millets in daily diet. She also explained the low-cost Nutri rich recipes for children Nutrition recipe competition for mothers of primary school children.



### NABARD Project on IPDM in Coconut

KVK Kottayam conducted two capacity-building programmes under the NABARD sponsored project, "Comprehensive Management of Pest and Diseases of Coconut in Kottayam District" on 05.09.2024. The training covered integrated management practices for major coconut pests and diseases, including red palm weevil, rhinoceros beetle, and bud rot. Bioinputs such as trichoderma cake, enriched goat manure, and talc formulation of trichoderma were distributed to the farmers. The program was conducted at Meenadom and Akalakkunnam Panchayats. Subject matter specialists, Mr. Manuel Alex and Dr. Smitha Revi, NABARD district manager, Sri. Reji Varghese and officials from the agriculture department attended the function.



### Capacity building programme on post harvest processing and value addition of agricultural crops under SCSP programme

KVK Kottayam organized three days capacity building training on 'post harvest processing and value addition of agricultural crops' from 05.09.2024 to 07.09.2024 for farmers belonging to scheduled caste. Fifteen farmers participated in the training programme. Technology for minimal and intermediate processing of fruits, storage of fruit pulps, preparation of fruit sip ups, non-alcoholic fruit beverages (squash, Syrup, crush, RTS), concentrated products (jam, jelly, varattu), dehydrated products (chunks, tutti fruttii, bar), pickled products, frozen battered and breaded products (cutlet, momos) and value added products from milk fish and mushroom were demonstrated. Sessions were also conducted on documentation, packaging, labelling and branding of products.



### Pre-season training on scientific rice cultivation

A pre-season training on scientific rice cultivation was organized by KVK Kottayam in collaboration with the Department of Agriculture on 09.09.24. The training was attended by 36 progressive farmers from Nattakom Krishi Bhavan. Dr. Smitha Revi, Assistant Professor (Agricultural Entomology), Dr. Asha V. Pillai, Assistant Professor (Agronomy), and Smt. Chris Joseph, Assistant Professor (Soil Science and Agricultural Chemistry) covered various aspects of scientific rice cultivation.



### On-campus capacity building programme on mushroom cultivation

KVK Kottayam organized an on-campus capacity building programme on mushroom cultivation on 03.09.2024. The training was led by Dr. Smitha Revi, Assistant Professor (Agricultural Entomology). A total of 41 participants attended the programme, receiving hands-on training in mushroom cultivation.



### KVKs Zonal workshop held at IISR, Kozhikode

The Zonal Workshop of KVKs of Kerala, Karnataka and Lakshadweep was jointly organized by ICAR- ATARI, Bengaluru and ICAR – Indian Institute of Spices Research, Kozhikode at ICAR – IISR, Kozhikode from 2 to 4 September, 2024 under the theme “Strengthening KVKs as Resource Centres through Seeds, Planting Materials and Bio-Products” and attended by head / scientist of all the 48 KVKs of Zone - XI. The workshop was inaugurated by Dr. Rajarshi Roy Burman, ADG (AE), ICAR, New Delhi. Dr. S. N. Sunil, Director, ICAR- NBAIR, Bengaluru, Dr. R. Dinesh, Director, ICAR, IISR, Kozhikode, Dr. Jacob John, Director of Extension, KAU, Thrissur, Dr M K Naik, former Vice Chancellor, University of Agricultural and Horticultural Sciences, Shivamogga, Dr. Pranjib K. Chakrabarty, a former member of ASRB, New Delhi, Dr. S. B Goudappa, Director of Extension, University of Agricultural Sciences, Raichur, Dr. Manoj P Samuel, Executive Director, CWRDM, Kozhikode were participated and addressed the delegates. Dr. V. Venkatasubramanian, Director, ATARI, Bengaluru welcomed the gathering and Dr. P. Ratha Krishnan, Principal Scientist and Head, KVK, Kozhikode proposed the vote of thanks. Kisan Samridhi Award 2024, Best Woman Entrepreneur Award 2024 and three Best Spice farmer awards were presented along with release of publications, short videos, bio inputs by KVKs. These three days event consists of visits to CWRDM and IISR facilities, ICAR awardee farmer plots, KVK, Kozhikode and technical sessions by eminent scientists from IIHR, CPCRI, IASRI, IISR, KAU and KVKs. Exhibits with spices, millets and their value-added products were also displayed by IISR, licences and farmer for the benefit of participants.



Glimpses of KVK Zonal Workshop

### World coconut day celebrated

World coconut day was celebrated on 2nd Sep, 24 at IISR, Kozhikode by distributing coconut seedlings to progressive farmers by Dr. V. Venkatasubramanian, Director, ATARI, Bengaluru and Dr. R. Dinesh, Director, ICAR, IISR. Another programme of felicitating Kera Kesari Awardee Mr. K. T Francis, Maruthomkara, Kozhikode was held at KVK campus and the programme was inaugurated by Dr A.R. Kurubar, ADE, UAS, Raichur with a felicitation by Dr. Raju G. Teggele, Head, KVK, Kalaburagi – 1. A filed visit of all 48 KVKs scientists to demonstration plot of coconut based multiple cropping system at KVK campus was also held.



Distribution of coconut seedlings to progressive farmers

### Field day of marigold harvesting and Onam celebration

Field days during harvesting of marigold cultivated trials using IIHR varieties viz., Arka Abhi and Arka Bhanu were organized at Manthankavu and Kothode respectively on 12.9.2024 and 13.9.2024. At Manthankavu, Mr. T. Damodaran, President, Naduvannur Grama panchayat inaugurated the programme and at Kothode, Mrs. Reena V P, member, Maruthomkara Grama panchayat inaugurated the programme. Progressive farmers, Dr. P Ratha Krishnan, Head, KVK; Subject experts Dr. P. S. Manoj and Dr. K. M. Prakash attended the events. Onam was also celebrated at KVK with a Pookalam and honouring of staff with gifts.



Field day of marigold flower harvesting

### KVK works on identification of suitable Coir pith as Soilless media

The Lakshadweep Island, composed of entirely by coral limestone, have soil whose parent material originates from the weathering of organogenic calcium carbonate. The soils are primarily sandy or loamy sand, with a predominant single-grain structure however occasional instances of granular or weak, fine sub angular blocky structures are also observed. Although the soil is rich in organic matter, the major soil-related constraints are poor water and nutrient retention capacity. Thus the soils are not well-suited for the cultivation of agricultural and horticultural crops which demands for soilless media. The soilless media will be a great advantage to those experiencing scarcity of quality soil.

To fulfill this need KVK-Lakshadweep has initiated a work with ICAR-IIHR towards production of fermented coco peat. To address this challenge, KVK initiated a study to identify the most suitable/available coir pith (i.e. unretted and retted) for the preparation of soilless media. The study involved analyzing the electrical conductivity (EC) and pH of the coir pith samples to determine their appropriateness and the availability of these resources. The results indicated that

the electrical conductivity (EC) values of retted coir pith samples were within the permissible limits and thus suitable for further use. In contrast, unretted coir pith samples exhibited higher EC values, exceeding the permissible limits for coco peat production as recommended by the Coir Board. All the lab facilities were provided by Department of Science and Technology UT Administration of Lakshadweep. The newly joined SMS of KVK, Dr. Abhishek Das, SMS (Soil Sciences) and Dr. Ansul Dulhan, SMS (Vegetable Sciences) initiated the work and coordinated by Dr. P. N. Ananth, Principal Scientist and Head, KVK-Lakshadweep. This work formed the basis for KVK to work on developing a protocol towards the production of suitable soilless media with the available resources in the island. Dr. G. Selvakumar and Dr. D. Kalaivanan, Principal Scientists from ICAR-IIHR Bangalore have supported and guided this work. In continuation of this, KVK and ICAR-IIHR is organizing training cum workshop during October, 2024 towards promoting entrepreneurship in this promising technological innovation.





### Skill Training on Scientific Rice Cultivation & Compost Preparation for Farmers

The Krishi Vigyan Kendra (KVK) in Malappuram concluded a highly informative and practical two-day training program focused on rice cultivation and compost preparation on 10th and 11th September 2024. The training, held under the Skill Training programme, was designed to equip 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.



### Vithu Vandī

KVK Malappuram successfully organized the "Vithu Vandī" initiative to support local farmers. The mobile seed cart travelled through various panchayaths of the Valanchery agricultural block on 10th September. The "Vithu Vandī" carried a variety of seeds, seedlings, and other essential agricultural products, offering farmers direct access to these resources. Farmers were encouraged to make full use of the service, which aimed at providing high-quality inputs to support their agricultural activities. The initiative, aimed at strengthening the farming community, received positive feedback as it brought critical resources closer to the farmers. It marked another step forward in promoting agricultural development in Malappuram.



### Orientation class for Dairy farm beneficiaries

On the eve of celebrating the successful implementation of a major Water shed development programmes under Perinthalmanna block sanctioned under PMKSY (Pradhan Mantri Krishi Sinchayi Yojana), more than 500 beneficiaries and implementing officers of various projects under the programme were gathered at Zahra convention centre near Angadipuram on 10th Sept. 2024. The meeting was inaugurated by Hon. MP Sri E.T. Mohammed Basheer, in the presence three MLAs of proximal constituencies, office bearers of the Block Panchayath and presidents of all the participating Gram Panchayaths. The official meeting was followed by the training class convened by Dairy development department for 140 beneficiaries provided with dairy cows under the programme. The Training session on "Dairy development primarily focussing on local resources to ensure sustainability" was handled by Dr. C. Ibraheem Kutty, SMS (Animal Science), KVK Malappuram.



### Skill Training on Fruit and Vegetable Processing and Value Addition

A skill training programme on "Fruit and Vegetable Processing and Value Addition" was successfully conducted. The training aimed at enhancing participants' knowledge and practical skills in the field of food processing, focusing on adding value to locally available fruits and vegetables. The sessions were led by Dr. Lilia Baby, Assistant Professor (Community Science). The participants were provided with comprehensive theoretical insights, followed by hands-on sessions where they learned to make various value-added products such as pickles, squash, ready-to-serve (RTS) beverages, sip-up and sauces. The training emphasized the importance of food safety, preservation techniques, and packaging to extend the shelf life of these products, making them market-ready. This programme provided an excellent platform for participants to gain essential skills in fruit and vegetable processing, helping them improve their livelihood opportunities through entrepreneurship in value addition.



### Friends of Coconut Tree (FOCT) Training

KVK, V.C.Farm, Mandya organized six days Skill Development programme. "Friends of Coconut Tree (FOCT)" sponsored by Coconut Development Board at KVK, V.C.Farm, Mandya from 09.09.2024 to 14.09.2024 for 20 Rural youths. During the training the youths were trained with climbers and also learn the plant health management of coconut trees. Scientists of KVK were sensitized the youth regarding improved production techniques in coconut by Dr. Divya, Scientist (Horticulture), INM strategies in coconut by Dr. Atheefa Munawery, Scientist (Soil Science), IPM strategies by Dr. Pavithra.S, Scientist (Plant Protection), Importance of intercropping in coconut by Dr. Rekha Badalingappanavar, Scientist (Agronomy), Importance of FPO's, Entrepreneur opportunities and marketing strategies in coconut was explained by Dr. Suresh, D.K, Scientist (Agriculture Extension), The information on different schemes provided for coconut area expansion IPM, INM strategies by the Horticulture department was shared by Mrs. Rekha.K.M, Senior Assistant Director of Horticulture Maddur, Mrs. Roopa, Deputy Director of

Horticulture, explained about importance and guidelines of coconut insurance Scheme and NREGA and urged trainees to utilize the available facilities by the line departments. Mr. Mohan, Assistant Manager, Canara Bank, Regional Office, Mandya attended the training and delivered lecture on insurance scheme and its guidelines as a part of exposure visit in the training one day exposure visit to Lokasara farm CDM branch was organized to the trainees, where trainees in coconut, nursery management in coconut. 6th day valedictory function was organized the programme was provided by Dr. Kamlabai Koodagi (Senior Scientist and Head), she emphasized on the importance of coconut in our day to day life. Mr. Gunashekar, Regional Office Coconut Development Board, Bangalore was present during the function and explained activities carried out in their initiation. Trainees shared their experience during the training programme. The 3 actively participated trainees were appreciated with each prize. All the trainees were distributed with coconut climber sponsored by coconut development board and participation certificate during the event. All the Scientists and Staffs were attended the function.



### National Nutrition Week 2024 Celebration: Distribution of Nutri garden Kits

On the occasion of National Nutrition Week-2024, ICAR JSS Krishi Vigyan Kendra, Mysuru conducted off campus capacity building programme on the importance of balanced diet and use Green leafy vegetables in daily diet focusing National Nutrition Week Theme "Nutritious diet for everyone" at Hartale village of Nanjangud taluk on 03/09/2024. Dr. Deepak SMS (Home Science) has given information about importance of nutri garden and how it helpful in improving the food practices through inclusion of vegetables in the daily diet. Dr. G. M Vinay SMS (Horticulture) has given information related to cultivation practices of fruit and vegetables in nutrigarden and effective utilization of kitchen waste. Also distributed nutri garden kits to farm families, given instructions for lay outing of nutrigarden and its management. More than 35 farm women were participated in the programme.



### National Nutrition Month 2024 Celebration: Capacity building Programme to Anganwadi Teachers

On the occasion of National Nutrition Month -2024 ICAR JSS Krishi Vigyan Kendra, Mysuru in collaboration with ICDS Nanjangud organised one day capacity building programme on Balanced diet for all age groups and preparation of complementary foods for children's to anganwadi teachers on 12/09/2024. The training programme involved various lecture sessions on complementary feeding, Balanced and nutritious diet for all age groups, department schemes, tradition foods practice and food exhibition was also arranged. More than 55 anganwadi teachers and 30 farm women's were participated and benefited from the programme.



### Project Advisory Committee (PAC) meeting of pulse seed hub project at KVK, Suttur

On 9<sup>th</sup> of September ICAR JSS KVK conducted a Project Advisory Committee (PAC) meeting at KVK, Suttur. The meeting was chaired by Dr. C.G. Betsurmamath, Executive Secretary, JSS Mahavidyapeetha, Mysuru. Dr. B.N Gnanesh, Senior Scientist and Head invited the dignitaries. Action taken and Progress report of the project was presented by Smt. H. V. Divya, SMS (Seed Technology). Sri. N. M. Shivashankarappa, Director (Hort), Sri. K. L. Revanna Swamy, Director General, JSS Mahavidyapeetha, was present in the meeting. The heads of KSSC, NSC, and ADA, GM Lead bank, Breeder, Progressive farmers, Members from stakeholders and other line department members actively participated in the meeting and gave suggestions for the improvement of the project.



### Celebration of World Coconut Day (September 2<sup>nd</sup>) at JSS KVK Suttur

ICAR JSS KVK Suttur Celebrated world coconut day in collaboration with IAT Chapter Mysore on 2nd September 2024 with a theme of "Coconut for a Circular Economy: Building Partnership for Maximum Value." On this special day, conducted an interaction with coconut growers/farmers on scientific cultivation and integrated pest & diseases management in coconut. In the programme, more than 60 farmers were participated and get benefited.



### EDP on Value Added Products of Moringa

The Entrepreneurship Development Programme 2024 focused on promoting moringa-based products has been a success, particularly in empowering local entrepreneurs. Under the guidance of Dr. Lakshmy P.S., Mrs. Aruna Suresh from Elappilly Panchayat in Palakkad District has launched a range of moringa products under the brand name B Natural. Mrs. Suresh, after receiving specialized training, has developed and marketed innovative moringa-based items such as moringa soup mix, moringa capsules, moringa leaf powder, and moringa idli mix. This initiative highlights the potential of moringa as a health product and sets an example for entrepreneurship in the agro-based sector, contributing to local economic growth and product diversification.



Moringa 1



Moringa 2

### Demonstration of mineral mixture for stress management in cattle under NICRA project

As part of NICRA project, a demonstration was conducted on use of mineral mixture for stress management in cattle. The mineral mixture was distributed to around forty dairy farmers in Pattithara panchayath. The function was inaugurated by ward

member Smt. Radha. A capacity development program for better dairy farming practices was conducted by Dr. Smijisha A.S, SMS, Animal science at the same event. The NICRA project's initiative to distribute mineral mixtures to dairy farmers in Pattithara Gramapanchayath is a valuable strategy for addressing the challenges posed by climate stress. By providing essential nutrients and supporting the health and productivity of dairy animals, the program contributes to the sustainability and resilience of the local dairy farming sector.



### KVK Palakkad- Participation in the "Thrithala Polima" Exhibition

The "Thrithala Polima", an Agri mela and exhibition organised by Kudumbasree, conducted from 12<sup>th</sup> to 14<sup>th</sup> September 2024 at Thrithala Panchayat, saw active participation from the Krishi Vigyan Kendra (KVK), which set up an exhibition stall aimed at disseminating valuable information to farmers. The stall featured various products and technologies developed by KVK, focusing on improving agricultural practices and enhancing farm productivity. The display attracted several farmers, who appreciated the range of resources available, including insights into modern agricultural methods and products. In addition to the exhibition, a special class on Climate-Smart Agriculture was delivered by Mr. Arun Thazhath, SMS Agronomy, KVK Palakkad. The farmers well-received the session, who expressed interest in adopting climate-resilient practices to cope with the evolving challenges in agriculture. Overall, KVK's stall was a notable success, both in terms of engagement with the farming community and the dissemination of practical agricultural knowledge. The exhibition provided an excellent platform for KVK to showcase its work and contribute to sustainable farming practices in the region.



## CAPACITY BUILDING PROGRAMME ON NATURAL FARMING

In an effort to promote sustainable agricultural practices and healthier lifestyles, ICAR KVK Pathanamthitta successfully conducted a two-day training programme on natural farming in collaboration with Dept. of Agriculture Development and Farmer's Welfare. The event held on the 29<sup>th</sup> and 30<sup>th</sup> of August 2024 at Malappally and Pulikeezhu blocks as part of the ongoing 100-day programme initiated by the KVK was inaugurated by Ms. Susan Thomas, President, Kallappara Panchayat and Ms. Janett Daniel, ADA, Pulikeezhu respectively. The programme featured demonstrations of various natural farming techniques with a special focus on the preparation of natural concoctions. These methods are aimed at reducing reliance on chemical fertilizers and pesticides aligning with the concept of better living through chemical-free food production. By embracing such practices, farmers and consumers alike are encouraged to move towards a healthier and more sustainable future.

The event drew participation from farmers and agricultural enthusiasts from the region, all of whom expressed keen interest in adopting natural farming methods. The hands-on demonstrations provided attendees with practical knowledge that can be directly applied to their farming practices. As part of the programme progressive farmers shared their experiences in adopting natural farming practices. Their insights provided valuable, real-world examples of the benefits and challenges of natural farming, offering encouragement and practical advice to fellow farmers in attendance. The Keynote address was delivered by Dr. C.P Robert, Senior Scientist and Head. The technical session was lead by Dr. Vinod Mathew, SMS (Agronomy). Ms Vani S, a practicing women farmer also shared her marketing strategies for Natural farming products. This initiative marks another step towards building a healthier, more sustainable agricultural ecosystem in the district. A total of 93 farmers participated in the programme.



## PROMOTION OF TURKEY FARMING IN PATHANAMTHITTA DISTRICT

As part of the district's ongoing efforts to promote diversified poultry farming, a successful turkey distribution and training program was conducted on 5<sup>th</sup> September 2024 by the KVK. This initiative aims to boost the adoption of turkey farming among local farmers, providing them with an alternative source of income and enhancing the district's poultry production. During the event selected farmers from the district were provided with high-quality turkey birds. The KVK also organized a specialized training session on modern turkey farming techniques focusing on aspects like health management, nutrition, and rearing practices to ensure sustainable and profitable farming. The training was led by Dr. Sency Mathew, SMS (Animal Science) who shared valuable insights and practical knowledge to help farmers get started with turkey farming.



### Golden Jubilee Torch receiving ceremony at ICAR-Krishi Vigyan Kendra, Raichur

ICAR-Krishi Vigyan Kendras are celebrating their Golden Jubilee Year in 2024, marking 50 years of empowering farmers since the establishment of 1<sup>st</sup> KVK on 21<sup>st</sup> March 1974 at Puducherry. ICAR-KVKs have been at the forefront of agricultural innovation, research and extension services catering to the diverse agricultural needs of farmers across the country. The KVK Golden Jubilee Torch relay symbolizes the spirit of KVKs service to the farming community. The torch symbolizes the transfer of knowledge, expertise, and commitment to the agricultural development from one generation to the next, signifying continuity and

resilience in the face of evolving challenges in the Agricultural sector.

It was a celebratory event of symbolic torch handover from Senior Scientist and head of ICAR-KVK, Kawadimatti to Senior Scientist and head of ICAR-KVK, Raichur. The ceremony was attended by esteemed dignitaries of the University of Agricultural Sciences, Raichur including Hon'ble Vice Chancellor Dr. M Hanumanthappa, Board of Members and Key officials of UASR, Scientists and Staff of KVK, Raichur, Stake holders, students and most importantly farmers of the district. This event mainly highlighted the pivotal role of ICAR-KVKs in enhancing agricultural productivity and promoting sustainable farming practices.



## IPM capacity building programme for input dealers

Dr. Rajendra Prasad, B.S., Mrs. Preethu, D.C., Dr. Sowjanya, S., Dr. Dinesha, M.S. and Dr. Deepa Pujar

ICAR-Krishi Vigyana Kendra Ramanagara in collaboration with Regional Central IPM Centre, Bengaluru organised two days IPM orientation training programme to farmers/pesticide dealers on 13<sup>th</sup> and 14<sup>th</sup> September, 2024. Dr. Rajendra Prasad, B.S., Scientist (Plant protection) in his introductory remarks highlighted that para extension workers (input dealers) are the source of information for the farmers, the scientific knowledge obtained in the training can reach maximum farmers. The Chief Guest Dr. Alamgeer Siddiqui, Joint Director (E), RCIPMC, Bengaluru highlighted the activities of Regional Central IPM Centre and also advised that management of major pests can be managed more effectively by adopting biological and traditional methods instead of just using chemicals. In the technical session of the first day Dr. Jayasimha, Assistant Plant Protection Officer, RCIPM, Bangalore explained the IPM methods and functioning of RCIPMC Bengaluru. Dr. C. R. Jahir Basha, Associate Professor, Dept. of Plant Pathology, GKVK, UAS Bangalore gave information on integrated disease

management in field and horticulture crops. Dr. K. Murali Mohan, Professor, Dept. of Entomology, GKVK, UAS Bangalore explained IPM practices in Maize, Coconut, Mango and Mulberry. Dr. Rajendra Prasad, B.S. method demonstrated mass production techniques of vermicompost, FYM and NSKE preparation. On the second day Dr. Rajendra Prasad, B. S., Scientist (Plant Protection), ICAR-KVK Ramanagara gave information about Safe and Judicious use of pesticides and knowledge of pesticides containers and precautionary measures to be followed in handling of pesticides. Mr. Pramod, Assistant Director of Agriculture, Ramanagara gave information about the Insecticide Act, 1968. Dr. Dinesha, M.S., Scientist (Agronomy) emphasized on Integrated Weed Management and Mrs. Preethu, D. C., Scientist (Soil Science) gave information about plant growth promoters and preparation of enriched compost. In this special program Dr. Bhavya, Assistant Plant Protection Officer, RCIPM, Dr. Deepa Pujar, Scientist (Horticulture), Dr. Sowjanya, S., Scientist (Agricultural Extension), Shri. Hanumantaraju, DAESI facilitator, KVK staffs and more than 40 input dealers participated and were benefitted.



## National Nutrition Week Capacity Development Programme on “Nutri- Garden for Nutrition Security”

As part of National Nutrition Week, one-day capacity development programme was organized for Anganwadi workers of Bhadravati Taluk on the topic of “Nutri-Garden for Nutrition Security” at ICAR-Krishi Vigyan Kendra, Shivamogga on 04-09-2024. **Dr. Sudharani, N.**, Scientist (Home Science) delivered the introductory remarks about the national nutrition week. **Dr. Santosh Kumar**, Program Officer, Department of Women and Child Development, Shivamogga inaugurated the programme. In his inaugural address, he opined that, Nutrition deficiencies can be managed effectively only with the involvement of community people. Further he explained that, the mission and goals of the Nutrition Week, malnutrition, anemia and other nutrition-related deficiencies in the country and it can only be achieved with the cooperation of the public. In this regard, he stated that, 'nutri-gardens' should be established in all Anganwadi kendras to create the interest among children and local community about the importance of nutrition in human existence. **Dr. B.C.Hanumanthaswamy**, Associate Director of Extension, KSNUAHS, Shivamogga presided over the program. In his presidential address, he said that, nutri-garden can be established in all schools, Anganwadi centers and in all backyards where space and fencing facilities are available to grow and consume chemical-free vegetables and fruits for good health of children and general public. During the programme, **Dr. Jyoti Rathod**, Head of Food and Nutrition Department, KVK Scientists viz., **Dr. Rudragouda**, Scientist (Agronomy), **Dr. Anjali, M. C.**, Scientist (Soil Science), **Dr. Manjunath Kudari**, Scientist (Agril. Extension) were present in the programme.

Guests distributed Nutrigarden seed Kit named 'Kisan Samridhhi' – a national level farmer's produce brand to the 30 Anganwadi workers who had gathered in this programme. A demonstration was arranged on the method of planting vegetable seeds and fruit seedlings.



## Capacity development programme on “Intercropping options in arecanut plantation and use of micro-irrigation in horticulture crops”

On 11-09-2024 a capacity development programme on “Intercropping options in arecanut plantation and use of micro-irrigation in horticulture crops” was organized by ICAR-Krishi Vigyan Kendra, Shivamogga in association with Karnataka State Department of Agriculture at Office of Assistant Director of Agriculture, Sagara. During the programme, information on integrated crop management of arecanut was delivered by Dr. Bharathkumar, M. V., Scientist (Horticulture), KVK, Shivamogga with special reference to the intercropping options in the area. Further, importance of micro-irrigation in horticulture crops was explained by Mr. Umesh, Agronomist, Netafim irrigation and Dr. Basamma Aladakatti, Assistant professor (Agril. Engineering), College of Agriculture Sciences, Iruvakkki. After the technical session, farmers-scientist

interaction was held and wherein the discussion on arecanut cropping system and micro-irrigation was taken place. During the programme, Deputy Director of Agriculture, Sagara Division, ADA, Sagara and ADA (training), Hallikere participated in the inaugural function. Totally 35 farmers benefited from this programme.



## The Campaign - Swachhata Hi Seva 2024

On 15-09-2024, Swachhata Awareness Rally, Door to door campaign was conducted at Bullapura village, Shivamogga Taluk. During the rally, Dr. Manjunath Kudari, Scientist (Agril. Extension), ICAR-Krishi Vigyan Kendra, Shivamogga explained about the Campaign - Swachhata Hi Seva 2024. He explained that, objectives of the Swachhata Abhiyan is to create awareness among communities towards sanitation and cleanliness. To bring about behavioral changes in the people towards sanitation and hygiene. Motivating the communities for adopting a proper sanitation model for better health and life. Totally 35 participants including farmers, farm women and children joined the rally to create awareness about the Campaign 'Swachhata Hi Seva' in the village.





## Capacity Building Programmes at KVK Thrissur

Krishi Vigyan Kendra (KVK) Thrissur regularly conducts various capacity building programmes aimed at empowering farmers, agripreneurs, and agricultural enthusiasts with practical knowledge and scientific skills to enhance agricultural productivity and sustainable farming practices. These programmes focus on various aspects of agriculture and allied sectors, covering the latest technological advancements and best practices in cultivation, livestock management, and plant propagation techniques. A glimpse of the recent training programmes conducted at KVK Thrissur are as follows.

### Hands-on Training Programme on Nursery Management

KVK Thrissur organized a comprehensive hands-on training programme on nursery management, which was attended by 28 participants. The objective of the programme was to equip participants with the skills and knowledge necessary for establishing and managing a nursery. The session covered several important aspects of nursery management such as:

Essential components and techniques for preparing an ideal potting mixture that supports healthy plant growth, methods of raising healthy and robust seedlings, which are essential for successful cultivation, various propagation techniques, including cutting, layering, budding, and grafting were demonstrated to the participants to help them multiply different plant species effectively. The training also covered essential pest and disease management practices for nursery plants, ensuring that participants can maintain healthy plant growth throughout the nursery cycle. The participants received hands-on experience in all the techniques discussed, preparing them to apply this knowledge effectively in their own nurseries.



### Capacity Building Programme on Scientific Management Practices of Goat Farming

Another capacity building programme at KVK Thrissur focused on goat farming, with an emphasis on scientific management practices. A total of 55 farmers from across the state participated in this programme, which was designed to provide them with the latest information and best practices in goat farming. The session covered several critical aspects:

Participants were guided on how to select goats with desirable traits such as disease resistance, high productivity, and optimal adaptability to local conditions. The importance of proper housing for goats to prevent diseases, ensure comfort, and enhance productivity was emphasized. The training provided detailed guidance on the housing requirements for goats. Participants were trained on the nutritional needs of goats and how to develop balanced feeding strategies for different age groups, ensuring optimal health and productivity. The programme also covered effective breeding practices, including artificial insemination and selective breeding to improve herd quality. Essential disease management practices, including vaccination, deworming, and recognizing symptoms of common goat diseases, were discussed. The farmers were also educated on biosecurity measures to prevent disease outbreaks in their herd. The programme provided participants with a solid foundation in managing a profitable and sustainable goat farming operation using scientific methods.



### Hands-on Training Programme on Mushroom Cultivation

In collaboration with the Department of Agriculture and Farmers Welfare, KVK Thrissur conducted a hands-on training programme on mushroom cultivation, specifically focusing on oyster mushrooms. A total of 20 farmers attended the programme, where they were introduced to the scientific techniques of mushroom cultivation. Key areas covered included:

Participants were trained on how to sterilize bedding materials to prevent contamination and ensure a successful mushroom crop. The preparation of mushroom beds, including the layering of substrates

and spawn, was demonstrated and practiced by the participants. Proper incubation conditions, including temperature, humidity, and ventilation, were discussed and demonstrated to ensure optimal growth of oyster mushrooms. This practical training allowed participants to gain firsthand experience in mushroom cultivation, empowering them to set up and manage their own mushroom farming enterprises. The participants left with increased confidence and knowledge to successfully cultivate mushrooms and contribute to their livelihood.

KVK Thrissur's capacity building training programmes play a vital role in empowering farmers

and agricultural practitioners with hands-on, scientific knowledge that can be applied directly in the field. By focusing on a range of topics such as nursery management, goat farming, and mushroom cultivation, these programmes aim to enhance the skill sets of participants, boost agricultural productivity, and promote sustainable farming practices. Through continuous efforts like these, KVK Thrissur is contributing significantly to the development of agriculture in the region, improving the livelihoods of farmers and promoting sustainable farming practices across the state.



## Evaluating the Use of a 2-Row Power Weeder in Paddy Cultivation: A Field Trial in Varkala

An on-farm trial was conducted to evaluate the effectiveness of a two-row power weeder in paddy cultivation. The trial was executed by the Krishi Vigyan Kendra (KVK) Thiruvananthapuram, with the inauguration led by Gramapanchayat President Smt. Priyanka Biril, accompanied by ward members, an Agricultural Officer, and local paddy farmers. The trial took place at Panayara Padashekham, Chemaruthy, in the Varkala block. Manual weeding in paddy fields is labor-intensive, and the use of chemical herbicides is often avoided due to their detrimental environmental and health effects. Consequently, there is a growing interest among farmers in alternative weeding methods. This trial aimed to assess the efficiency of a power weeder in managing weeds in paddy fields.

The trial was conducted using a two-row power weeder. Key parameters assessed included field capacity and operational efficiency. Five rural youths

were also trained in the operation of the power weeder to facilitate skill development and promote the adoption of this technology. The field capacity of the power weeder was observed to range from 0.12 to 0.20 ha/day. Farmers participating in the trial reported that the power weeder was highly effective in weeding operations, providing a practical alternative to manual weeding and chemical herbicides. Feedback from the farmers was uniformly positive, highlighting the device's efficiency and effectiveness in reducing labour and improving weeding precision.

### Training and Outreach

As part of the trial, training was provided to five local youths on the operation and maintenance of the power weeder. This initiative aimed to build local capacity and encourage the adoption of the technology. The trial and its outcomes were documented and disseminated through various media channels, including a feature on Doordarshan Kendra's "Karshikavarthakal" program and coverage in Malayalam dailies such as Kerala Kaumudhi and Mathrubhumi.



### Sanjeevini KSRLPS Krushi Shaki training programme

ICAR-KVK-Tiptur, Tumkur-1 conducted Sanjeevini KSRLPS Krushi Shaki training programme from 07-08-2024 to 12-08-2024 for 30 krushi shaki's of 2 batch. Dr. Govinda Gowda, Senior Scientist and Head, ICAR-KVK, Tiptur inaugurated the programme and briefed about scope and importance of natural farming. Dr. Shivappa Nayak, Scientist (Animal husbandry) briefed about livestock production. Dr. Keerthishankar, K., Scientist (Horticulture) explained about Different types of farming system and seed treatment. Dr. Tasmiya kousar, Scientist (Agronomy) explained the different types of soil, soil and water analysis and soil health card. Mr. Manoj, Scientist (Plant protection) talked different Biological methods of pest and disease control. Mr. Drashan, M.E., Explained about different teaching methods, Certification and KVK role etc.



### World coconut day

ICAR-KVK, Tiptur, TUMKUR-1 participated in National level World coconut day organized by Indian federation of working journalists at Tiptur and was inaugurated by Dr. G. Parameshwara, Hon'ble Home Minister, Govt. of Karnataka. On the occasion of world coconut day one-day national seminar on Coconut was organized by the Indian Federation of Working Journalists. This event served as a platform to celebrate advancements in coconut and its related technologies. The ICAR-KVK, Tiptur, Tumkur-1 played a pivotal role in this celebration by showcasing coconut varieties, mechanization in coconut, production, IMP and IDM technologies along with value-added coconut products. Their significant contributions were recognized through the presentation of certificates to Dr. Govinda Gowda, V. Senior Scientist and Head, Dr. Keerthishankar K., Scientist (Horticulture) and Dr. Sindhu P. B., Scientist (Home Science), at the 78th National Council Meet in Tiptur, representing the collective efforts of the entire KVK team.



### Demonstration of drone spray on Agricultural crops

ICAR-KVK, Tiptur, TUMKUR-1 scientist (Horticulture) Dr. KeerthiShankar. k and scientist (Home science) Dr.Sindhu P.B were invited as resource persons for the programme "Demonstration of drone spray on Agricultural crops" organised by Department of Agriculture and IFFCO chaired by Sri Shadakshari, MLA, Tiptur. During this programme Dr. Keerthishankar scientist (Horticulture) delivered a lecture on importance of drone technology in agriculture field and Dr. Sindhu P.B scientist (Home science) delivered a lecture on "value addition in ragi and its health benefits".



### FLD on Demonstration of Little Millet var. GPUL 6

ICAR-KVK, Tiptur, Tumkur-1 Scientist (Home Science) initiated FLD on Demonstration of Little Millet var. GPUL 6 and its marketing at Yelanadu village of Chiknayakanahalli taluk, Tumkur District. During this program information regarding ICM, marketing and its value addition was given. GPUL-6 seeds were distributed to 5 selected beneficiary farmer's.



### Training Programme on Fodder Crops

A training programme on fodder crops was successfully conducted under the NICRA project at Chikkadoddavadi, Koratagere Taluk, Tumakuru, on 23<sup>rd</sup> August 2024. The programme focused on equipping farmers with knowledge on various fodder crop varieties and methods to mitigate the effects of climatic challenges on their cultivation.

Mr. Ramesh P.R., SMS (Soil Science), provided an in-depth explanation of different fodder crop varieties and how they can help farmers cope with climate-related vulnerabilities. In addition, Mr. Prashant J.M., SMS (Horticulture), addressed queries from farmers regarding disease control in plantation and horticulture crops. Mr. Jagadish K.N., SMS

(Agricultural Extension), detailed the cultivation practices of the fodder variety BNH-10, highlighting its benefits for local farmers.

A total of 36 farmers participated in the event, with an emphasis on practical knowledge and hands-on learning. As part of the programme, 20,000 slips of fodder varieties, including BNH-10, Super Napier, and Guinea grass, were distributed to the farmers to encourage adoption and enhance fodder availability in the region.

This training is part of the ongoing efforts to support sustainable agricultural practices and boost fodder production in the face of changing climate conditions.



**Awareness program on PM KUSUM**



Pradhan Manthri Kissan Urja Suraksha evam Unnathi Mahabhiyan – awareness program was organized at KVK Udupi on 29.08.2024 in collaboration with Agriculture Skill Council of India. Mr. Veerabhadra Reddy, the Master Trainer of the program inaugurated the program and discussed on the various possibilities of solar options for agriculture purposes. Dr. Dhananjaya B, Senior Scientist and Head, KVK, Udupi welcomed the gathering with an introductory note. Dr. Shankar, Asst. Professor of ZAHRS, Brahmavara discussed various agricultural devices that can be run on solar power. Mr. Gunapal Kadamba, retired principal and progressive farmer, Shirlala, Karkala, Mr. Naveenchandra Jain, Progressive farmer, Karkala, Mr. Shambu Shankar Rao, Progressive farmer, Mandarthi were present during the event. Mr. Veerabhadra Reddy, the resource person presented various aspects of solar energy options for agriculture. Dr. Sadananda Acharya compeered the program while Dr. Naveen N. E. rendered vote of thanks.

Ganesh welcomed the gathering and rendered vote of thanks. Saplings of coconut were distributed to students.



**World Coconut Day**

World Coconut Day celebrated on 02.09.2024 at G. M Vidyaniketana Public School, Brahmavara. The event was jointly organized by ICAR-KVK Brahmavara, ZAHRS, Brahmavara and G. M, Vidyaniketana Public School, Brahmavara. The event was produced by Mr. George Kurian the Principal of G. M, Vidyaniketana Public School, Brahmavara. The programme was inaugurated by Prakashchandra Shetty Chairman and Managing Trustee of G. M, Vidyaniketana Public School, Brahmavara. As resource person Dr. Bhoomika H. R, Scientist (Horticulture) spoke on the importance of coconut on food and commercial crop. Dr. Chaitanya H. S, Assistant professor, ZAHRS, Brahmavara said coconut in diet is very important for overall health and cultivation of coconut in the region as major plantation crop. Mr

**Entrepreneurship Development Programme**

Entrepreneurship Development programme (EDP) on Coconut shell art was inaugurated at KVK, Brahmavara on 09.09.2024 by Sri Pradeep D'souza, District Skill Development Officer. In his inaugural address he emphasized on value addition and creation of useful products from waste. Dr. Sudheer Kamath, Head, G.K.M.S, Brahmavara was chief Guest. He spoke on the value of coconut shell art and its market potential. Dr. Dhananjaya B, Senior scientist and Head, Krishi Vigyana Kendra, Brahmavara welcomed gathering while introducing the training programme structure. Dr. Bhoomika H. R compeered the programme and Dr. Naveen N. E renderd vote of thanks. The training programme continued to 6 days.



### Awards to KVK Uttara Kannada promoted entrepreneurs

ICAR-Krishi Vigyan Kendra Uttara Kananda Sirsi is instrumental in supporting women / men entrepreneurs to empower them with knowledge, skill, finance and marketing. Two of the women entrepreneurs from Uttara Kannada district received Best women entrepreneur awards.

### Dr. Mala Giridhar received Best Woman Social Entrepreneur award 2024 during 31<sup>st</sup> Foundation Day and Kisan Mela held on 21<sup>st</sup> August 2024 at ICAR-National Research Centre for Banana Tiruchirappalli, T.N.

Mala Giridhar is a Clinical Psychologist, who has used her entrepreneurship efforts with the support of the local community in Sirsi, Uttara Kannada district of Karnataka; to develop a social enterprise that uses Banana Pseudostem sheath / fibre to employ persons with different types of disabilities. Around 30 people will disabilities and around 25 women are working and earning a living in this enterprise which engages and enriches. The enterprise produces over 25 products that have a huge market demand in India and abroad. All products are made from recycled, biodegradable material, mainly banana pseudostem sheath. This enterprise has lead to a life of purpose, dignity and care for a very marginalized group. KVK collaborated with her NGO Prashanthi Foundation in organizing skill trainings on products from Banana pseudo stem sheath/fibre and as a part of ARYA project, Kokum butter extraction machine and Tray driers were made provision to Siddi tribal communities for value added products from NTFP's.



### Smt. Vasundhara Hegde received Best Women Entrepreneur award 2024 during KVK s Zonal Workshop 2024 held from 02-04 September 2024 at ICAR-Indian Institute of Spice Research Kozhikode, Kerala.

Smt. Vasundhara Hegde, a dynamic B.A graduate has emerged as a remarkable example of success in innovative venture of food products. She setup her business enterprise in June 2021 titled "Manjushree Home Products" wherein she sells variety

of value added products. She has been providing organic and chemical free products and got big acceptance among consumers because of quality and significant benefits. She also introduced wide range of high-quality nutritious products including dry banana (Sukeli), raw banana flour (Bakahu), banana chips, dry jackfruit, jackfruit pulp, Jack papad, jack seed powder, kokum peel, kashaya powder and turmeric powder. She became part of ARYA project at KVK Sirsi and

improved her techniques in processing and packaging. Driven by her entrepreneurial skills she ventured into online marketing and found a



sustainable and suitable market for her products. Over the last two years, her products have carved a niche and presently she is selling her products across the country.

### One day training "Arecanut cultivation and management"

University of Agricultural Sciences, Dharwad, ICAR- Krishi Vigyan Kendra, Sirsi, Uttara Kannada and Doeguling Tibetan Settlement Office, Mundgod jointly organized one day training program on "Arecanut cultivation and Management" at KVK Sirsi on 30.08.2024. The training program was planned for the farmers of Doeguling Tibetan Settlement area, Mundgod. Dr. Yashaswini Sharma, Scientist (Horticulture) conducted the program and welcomed the beneficiaries and explained about improved methods and package of practices involved in cultivation of arecanut including nursery management, care, fertilizer application, drainage systems, processing and value addition in supari. Dr. Roopa S. Patil, Senior Scientist and Head, addressed farmers regarding management of pests and diseases in arecanut. In the afternoon session, farmers visited KVK nursery and learned about seedling production in arecanut. Later they visited Horticulture Research and Extension Center (HREC), Tarakanahalli Farm, Sirsi. Dr. Kiran and Dr. Sudheesh Kulkarni, Scientists at HREC explained about the research activities carried out at the farm and practically demonstrated importance of drainage and spacing in arecanut plantation. More than 30 farmers and farm women were participated and benefited from the program.



**Awareness Programme**

Awareness programme on Swachhata Hi Seva was organized for the B.Sc. Students of R.K. Patil, College Sank, Jath taluka Maharashtra. The students were explained about the KVK, Objectives, Mandates, and how KVK works for the upliftment and betterment of farmers. As a special programme students were

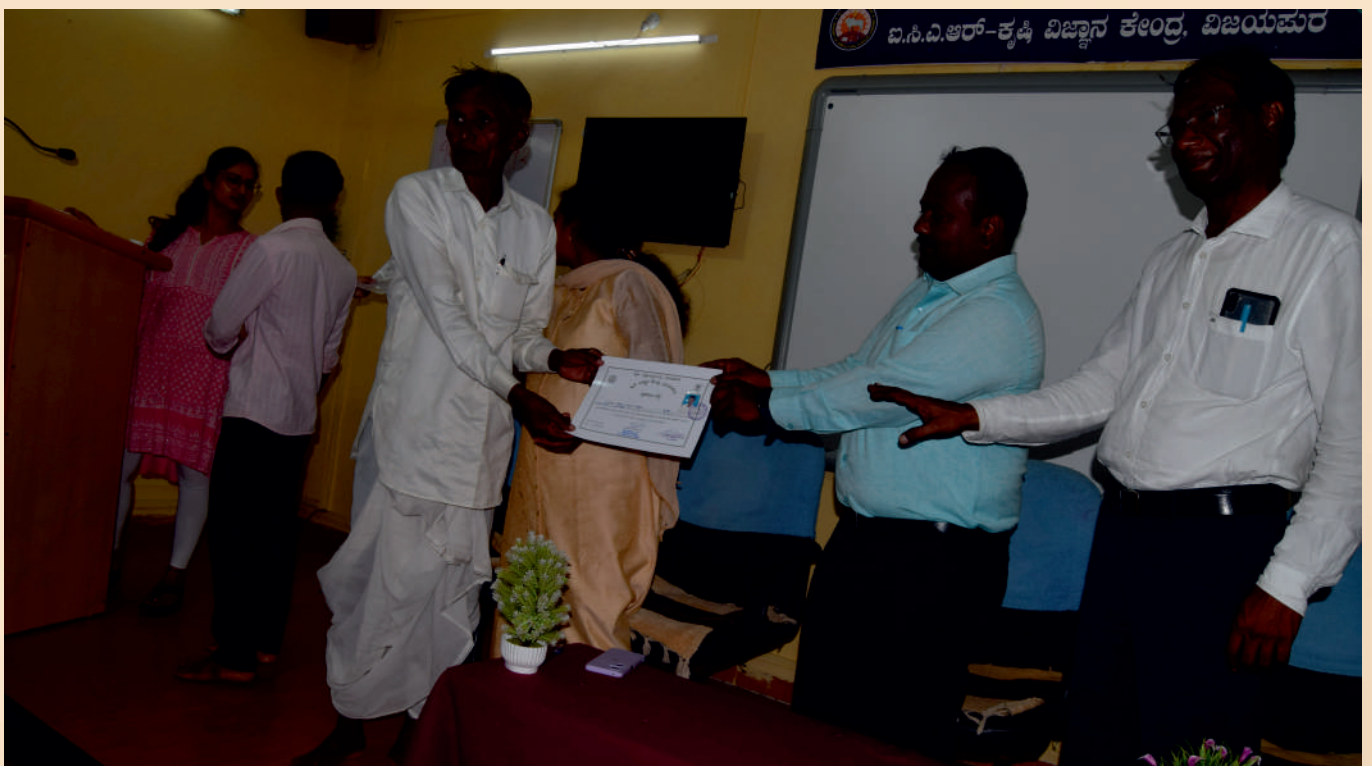
explained about KVK special activity during September-October 2024 Swachhata hi Seva how they can improve their village with keeping clean in their home, street and village. 120 students were participated in the programme.



**Honey Bee Training**

Five days training on honey bee cultivation 18-22 September-2024 was organized for SCSP famers and totally 25 farmers participated. The training included hands on training, of honey bees and skill was imparted

in colony bifurcation how to collect honey regular and off season maintained. Lastly honey bee colonies and safety kits were distributed to the SCSP farmers.





### Follow up visit to the farm testing on demonstration of soybean varieties for higher yield

ICAR-KVK Vijayapura-II (Indi) has undertaken a follow-up visit to evaluate the On-Farm Testing (OFT) demonstration of soybean varieties aimed at improving yield at Roogi village, Indi Taluk. For the 2024-25 cycle, the KVK, Indi has selected 10 demonstration plots on farmer fields for the OFT program. Dr. Prakasha G., Scientist (Agronomy), facilitated the process by providing critical inputs, including soybean seeds of various varieties (Dsb-34, KDS-726, KDS-753) and a local variety (JS-335). Additionally, Rhizobium was supplied for seed treatment. Both Dr. Prakasha G. and Dr. Prem Chand U, Scientist (Plant Pathology), visited the OFT plots at Roogi village to assess the impact of different soybean varieties. The evaluation focused on growth and yield parameters, as well as pest and disease incidence. Observations were recorded at 30, 60, and 90 days after sowing (DAS), and at harvest. Currently, the soybean crops are at 45 days, and the scientists have documented their observations and parameters at the farmer's field.



### Follow up visit to the front line demonstration on integrated crop management in sugarcane

ICAR-KVK Vijayapura-II (Indi) has conducted a follow-up visit to the Front Line Demonstration (FLD) on Integrated Crop Management in sugarcane. For the 2024-25 programme, KVK, Indi has selected 10 demonstration plots on farmer fields for the FLD program. Dr. Prakasha G., Scientist (Agronomy), provided essential inputs for the program, including bio-agents (*Trichoderma*), *Pseudomonas*, PSB, KSB, and compost culture), Sunhemp seeds, 19:19:19 fertilizer, and systemic insecticide (Acephate). During the visit, Dr. Prakasha G. assessed a demonstration plot at Bathagunaki village, implemented by farmer Muddugpouda Patil. The visit focused on recording growth parameters and pest and disease incidence. Observations included the incorporation of Sunhemp, a green manuring crop, into the sugarcane field as a nutrient source at 45 days after sowing (DAS).



**Contributors:** Dr. Prakasha G., Scientist (Agronomy) and Dr. Prem Chand U, Scientist (Plant Pathology)

## World Coconut Day Celebration at KVK Wayanad

KVK Wayanad celebrated World Coconut Day on 2<sup>nd</sup> September 2024 with coconut palm planting ceremony at its premises, led by Dr Arularasan GS, Asst. Professor (Agricultural Extension). The event highlighted this year's theme "Coconut for a Circular Economy: Building Partnerships for Maximum Value". Farmers and staff of the Kendra attended the event.



## Training on Nursery Management

KVK Wayanad conducted a 5-day training programme on Nursery Management for 12 farmers. The training covered a range of topics including preparation of potting mixture, types of pots, planting methods, soil testing and management, deficiency symptoms of plant nutrients, biocontrol agents, and various plant propagation methods such as budding, layering, grafting as well as marketing strategies. The theory sessions were handled by Smt. Ashitha MR, Asst. Professor (Horticulture), Ms. Athira KV, Ms. Sumi P, SRF and Dr. Arularasan GS, Asst. Professor, while the practical sessions were conducted by Smt. Sarija, Smt. Sruthi Krishna and Smt. Priya Mariam, Research Assistants, Smt. Santha, Smt. Prathibha and Smt. Nisha SHG members of this Kendra.



## Training on Mushroom cultivation

KVK Wayanad conducted a 5-day training programme on Mushroom Cultivation for 24 farmers. The training covered a range of topics including types of mushrooms, spawn production, cultivation practices, pests and diseases, shed preparation, composting techniques and marketing methods. The theory sessions were handled by Smt. Sruthi Krishna, Research Assistant and Dr. Arularasan GS., Asst. Professor, while the practical session was conducted by Krishna, SHG member of the Kendra.



## NICRA Training on "Rain water harvesting, Micro irrigation and Farm mechanisation for enhanced productivity in dry land areas"

KVK Wayanad conducted a one-day training programme for farmers on "Rain water harvesting, micro irrigation and farm mechanisation for enhanced productivity in dry land areas" as part of NICRA project at Mullankolli Krishi bhavan. Shri. Rajesh PD, Asst. Engineer, Agriculture Dept., Wayanad handled the awareness session. 28 farmers actively participated in the training programme.



### Krishi Sakhis Module-III Training programme

ICAR- KVK, YADGIR (Kawadimatti) Organized 6 days training program on Module-III to 62 Krishi Sakhis of Yadgir district. The programme was inaugurated by Dr. Jayaprakasha Narayan, Senior Scientist and Head, ICAR- KVK, Yadgir (Kawadimatti) emphasized on different methods of nursery rising and role of healthy seedlings to obtain higher productivity, Management of nursery through organics. Demonstration and practical exercises was conducted by Dr. Mallareddy, Scientist (Agronomy) about different methods of irrigation and drainage, role of water management in efficient utilization of water resources. Hands-on training was conducted by Dr. Rathnamma Scientist (Plant Pathology) on preparation of Handi kath botanical pesticides for control of pest and diseases, Beejamruth preparation for seed treatment, storage pest management, and different storage structures. Dr. Eramma was conducted classes on biofertilisers, cultivation practices of green manuring and green leaf manuring crops and demonstrated different methods of composting. Dr. Shruthi, given information about different variety of field crop seeds and role of seed vigor to get higher productivity.



### Field visit to HDPS and Closure spacing cotton fields

Team of Scientist from KVK, Yadgir along with Dr. D. V. Shrinivas Reddy, Principal Scientist and nodal officer for special pilot project on cotton under NFSM, ATARI-Bengaluru visited closure spacing and high density planting system cotton fields of Yadgir district and interacted with farmers to give information on role

of crop density for efficient utilization of natural resources to obtain higher yield per unit area and also explained about use of growth retardant in high density cotton to get more number of sympodial branches and quality cotton.





# **KVK TIMES**

*A window to KVKs of ICAR-ATARI, Zone - XI,  
Bengaluru*