KVK TIMES

A Window to KVKs of ICAR-ATARI, Bengaluru, Zone-XI
Vol 02 Issue 13, 01-15 January, 2024

Celebrated the International Year of Millets 2023 with Full Fervor ..,

Golden Jubilee Celebration of KVKs

Value Addition in Millets is the Focus

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

ICAR-Taralabalu Krishi Vigyan Kendra
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Happy New Year
2024

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Message



Dr. V. Venkatasubramanian
डॉ। वी. वेंकटसुब्रमण्यन
Director
नदिशक

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

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

I am happy that ICAR-Taralabalu KVK, Davanagere is bringing up the 13th issue of second volume of KVK TIMES covering the 1 - 15th fortnight of January 2024. I congratulate the KVK fraternity of Zone XI specially Dr. Devaraja T.N., Senior Scientist and Head and his team of KVK, ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere for bringing out this unique edition of KVK Times.

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Date: 18-01-2024



Prelude

My warm happy new year wishes to all the KVK colleagues. I am feeling extremely happy that Volume – 2, 13th issue KVK TIMES of Zone-XI is being brought out by ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere. The KVKs are main pillars in introducing the technologies to the farming community and creating the sensitization on technologies in agriculture. They play a major role in enhancing the crop production and productivity through the adoption of technologies by the farming community. Documentation of various activities carried out by KVKs is animportant task and this will help in furthering sustainable technologies in agriculture and to know works done by each other KVK. So the novel idea of ICAR-ATARI, Bengaluruin bringing out 'KVK TIMES' to continuously document the work of all the KVKs in Zone XI ishighly appreciable.

I congratulate Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru, Zone XI, his team and all the members of KVK family for their collectiveeffort in emphasizing the KVK activities of this fortnight. I extend my wishes to Dr. Devaraja, Senior Scientist & Head of ICAR-Taralabalu KVK Davanagere and his team in bringing out e-newsletter in a colourful way during first fortnight of January, 2024.

Directorate of Extension, KSNUAHS, Shivamogga feels proud to state that ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere have brought laurels to the University by bagging best KVK awards at National and Zonal levels. I wish them all the best for their upcoming activities.

Director of Extension

Recipient of INDIRA PRIYADARSHINI VRIKSHAMITRA AWARD - 1987

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Message



Agriculture and allied sectors are only critical to meet the food and nutritional demands of the teaming population but also the overall development of the country. At present, there are challenges like doubling of farmer's income by optimal and eco-friendly resources- land labour, capital and management, producing "more-from less for more" with agriculture becoming more and more knowledge demanding. KVKs are playing vital role in enhancing the agriculture food production by introducing technologies for location specific, organizing training to update the extension personnel with emerging advances in agriculture research, organizing short term and long term training courses and Frontline Demonstrations hence it is acting as avoluntary sector for improving the agricultural economy.

I am feeling very proud and happy about ICAR-Taralabalu Krishi Vigyan Kendra for their constant dissemination of technologies to the farming community across the district and helping out the farmers in adapting the same and our KVK received Best KVK Award from ICAR-NRCB, Tiruchirapalli, Tamil Nadu for spread of Banana related technologies during 2022 and recently, it has facelifted its campus and other infrastructure facilities.

At this juncture, I congratulate Taralabalu Krishi Vigyan Kendra for bringing the Volume – 2, 13th issue KVK TIMES of Zone-XI for this fortnight from 1-15th January 2024. Millets are always important part of our Indian diet system. Utilizing them to improve our health system is need of the hour.

My sincere thanks to Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, zone XI for his constant support in carrying out the KVK activities. I also extend my thanks to Dr. Gurumurthy K.T., Director of Extension, KSNUAHS, Shivamogga for their constant encouragement to our KVK activities. I praise the attempts of Dr. Devaraja T.N., Senior Scientist & Head, ICAR–Taralabalu Krishi Vigyan Kendra and all the staff of the KVKs for bringing out the issue of KVK TIMES. My best wishes to the KVK fraternity for their future tasks.

Dr. Basavarajappa K.P.
Secretary, Taralabalu Rural Development Foundation, Sirigere
and Former Member, Planning Commission, GoK.

ACKNOWLEDGEMENT



It is a pleasure and great privilege for me to express my profound gratitude to Dr. V. Venkatasubramanian, Director and all the nodal scientists and staff of ICAR-ATARI Zone –XI, Bengaluru for providing us an opportunity to bring out issue KVK TIMES of Zone-XI for this fortnight from 1-15th January 2024. I sincerely thank Dr. Basavarajappa K.P., Secretary, Taralabalu Rural Development Foundation, Sirigere and Former Member, Planning Commission, Government of Karnataka for his constant support and encouragement in overall development of KVK. I extend my sincere thanks to Dr. Gurumurthy K.T., Director of Extension, KSNUAHS, Shivamogga for their technical support and constant encouragement for our KVK activities.

Millets are supposed to be super foods with good concentration of essential fibres. We, the modern people have started to slowly realise the significance of diet fibre in our health. Altering genetic system of crops for want of a specific character elucidation will also affect the natural potential of such crops. For example, altering the duration of crops will certainly affect the complete expression of its yield, potential and other characteristics.

Another important observation in consumption pattern amongst Indians is the excessive inclusion of carbohydrates. This fact has deleterious effect on the health of general public as most of the cereals have become only carbo source rather than complete foods.

"Celebrating Millets for Better Future" is the focus here onwards. Processing centres are coming up in good number in the state. Recent International Millet Mela at Bengaluru has opened up plethora of opportunities to various entrepreneurs including farmers.

Year 2023 was immersed with several activities related to millets commemorating the Intensity of Millets all over the world. This new year 2024 must give impetus to grow with millets in terms of better health and wealth.

I record with immense pleasure, the overwhelming response of Zone XI KVK family in sharing spectrum of their activities especially related to Millets which largely helped to precisely compile and bring out the Volume – 2, 13th issue of KVK TIMES for the first fortnight of January, 2024.

KVK philosophy has entered its Golden Jubilee year in 2024 ! It's a memorable journey for a project mode initiation realizing an institutional status in Government sector ! We are grateful to ICAR & TRDF for providing this opportunity and indebted to forming community for being grate partners in our journey.

I wish to place on record our sincere thanks to all my fellow colleagues of KVK family Zone-XI for their sustained efforts in sharing the required information in time.

I profusely thank Scientists and staff of ICAR-Taralabalu KVK for their support in compilation of information, offering valuable suggestions and efforts to bring out this issue of KVK TIMES. Special thanks to my colleagues Dr. Avinash T.G., SMS (Plant Protection) and Santhosh B., Programme Assistant (Computer) for continuously compiling the news and complete the assignment with pleasure in time.

Most importantly, I would like to thank again our beloved ATARI Director, Dr. V. Venkatasubramanian and our Nodal Scientist, Dr. D.V. Kolekar immensely for providing this wonderful platform of KVK Times, fortnightly. Entire ATARI office Scientists and Staff have always bestowed us with affection and support which is heartily acknowledged and thanked profusely.

Dr. Devaraja T.N.
Senior Scientist and Head

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KARNATAKA KVKs

KVK Bagalkote

Inaugural Function of DAESI (Batches I & II)

KVK Bagalkote was organized the Inaugural function of the DAESI programme on 01.01.2024 at ICAR-KVK Bagalkote. The Programmae was inaugurated by Dr. S. S. Angadi, Director of Extension UAS, Dharwad. Dr. Lakshmi Narayan hedge, Director of Extension UHS, Bagalkote was the president of the programme during in his presidential speech he addressed the Trainees regarding the DAESI programme. Dr. M. Gopal, Professor and State nodal officer DAESI of UAS, Dharwad participated as Chief guest of the function and gave detailed information regarding rules and regulation of DAESI training, he also explained the objectives of the programme to trainees. In the presence of Dr. S. B. Patil, Senior Scientist and Head Dr. Siddappa Angadi Senior Technical officer anchored the programme. A total of 80 trainees participated in the programme. During this event all the staff of KVK, Bagalkote were present and succeed the event.





On Campus FAP at KVK Bagalkote

An awareness programme was conducted on 12.01.2024 to DAESI Trainees of Bagalkote district at KVK Bagalkote. A total of 28 Trainees participated and got benefit of this programme. Mr. Basavaraj Nagaleekar (SMS Agrometeorology) explained about climate change, Global warming, Impact of climate change on Agriculture, Climate resilient techniques to overcome impact of climate change on agriculture and Weather based Agricultural practices followed in farm. And also explained, details about DAMU activities in KVK and Weather based Agro-advisories. And weather related mobile applications like meghdhoot, Damini and Mausam.



Field visit to farmer's field for selection of best farmer under ATMA project

Dr. Sudha, Scientist (Plant Pathology) along with ATMA staff visited farmers fields of Shiraguppi, Dommanal, Mallapur, Shigikeri, Shirur, Kaladagi, Ankalagi and Sharadal villages of Bagalkote taluk on 10.01.2024 and 11.01.2024 for selection of Best farmer and farm women of the Bagalkote block.





KVK Belagavi - I

Minor Millets Enhanced Incomes, Empowerment and Nutrition in Farming Committee

Minor millets comprise a group of cereal species that are genetically diverse and adapted to a range of marginal growing conditions where major cereals such as wheat, sorghum, and maize are relatively unsuccessful. Millets require few inputs and withstand severe biotic and abiotic stresses. They are also more nutritious than major cereals. Despite these advantages, neglect in several arenas has resulted in a steady decline in the cultivation of minor millets in Belagavi district over the past few decades.

In the context, ICAR BIRDS Krishi Vigyan Kendra Tukkanatti Belagavi-1, is successful established six minor millets crop capteria in six locations of Belagavi district and one in KVK farm for KVK visitors and also sources for surrounding minor millets growing areas farmers. Popularizing the high yielding varieties, modern technologies awareness and value addition in millets growing areas.However, the use enhancement of millets also represents an interesting opportunity to contribute filling the yield gap in food that the world is suffering from.

We undertook action research intended to stem the decline in cultivation and enhance the conservation and use of minor millets 6 capteria units established and spread across 16 villages in three taluks of Belagavi district. Our aim was to improve incomes, nutritional status, and empowerment, especially for women. Overall, our holistic approach to main streaming species such as finger millet, little millet, foxtail millet, and barnyard millet indicates that these neglected and underutilized species can play a strategic role in improving many dimensions of livelihoods. We have organized training cum awareness programmes, method demonstrations, scientific field visits and two field day during Kharif season 2023.

- M.N. Malawadi, Scientist (Agronomy)







KVK Belagavi - II



Smt. Iravva Mathapati

A Millet Entrepreneur Initial situation

Smt. Iravva Mathapati resides in a farmhouse at Mudakavi village. She, along with her husband use to cultivate bajra, jowar and groundnut crops and was getting low farm income. It was difficult for them to meet the family expenditure with three sons and their wives.

The quest

KVK trained Smt. Iravva Mathapati and her daughters-in-laws for preparation of millet biscuits. Under the entrepreneurship development programme KVK standardized millet biscuits and provided oven and trays to start the millet biscuit enterprise. Besides this, KVK facilitated the branding of biscuits in the name of Millet bite (foxtail millet), Millet Delight (little millet) and Millet Crunch (finger millet) and also obtained FSSAI license for sale of millet biscuits.

Enterprise Unit

After obtaining all the inputs from the KVK, she has established a small bakery unit at her processing unit. For production of biscuits, she purchased dough kneader and commercial scale oven. Everyday she produces around 200-300 biscuits and pack them in a box. They sell these biscuits to wholesalers, retailers and consumers directly. They have provided employment for four women along with family members. She is being invited by line departments to act as resource person to motivate other self help groups. She has been awarded with Krsihi Pandit, Shreshta Krishi Mahile and DD Mahila Kisan for her entrepreneurship activity.

Production / year : 17,000 packets

Turnover / year : Rs. 5.0 lakhs









Millet Entrepreneur

KVK Mattikopp has trained Smt. Manjula Hiremath, an entrepreneur, who prepares rotti of sorghum and bajra. She is engaged in preparation of 1000 rotties / day on eve of Makara Sankranti festival. Apart from the festival orders she has bulk orders for Marriages/ Social functions. In earlier years she had pedal operated rotti making machine, wherein she used to produce only 200-300 rotties per day. Due to continuously pedalling of the machine she has faced health related issue. Thereafter, she was instructed to purchase automatic rotti making unit along with a kneader. This rotti making machine is solar operated and she can operate the machine throughout the day without the problem of electric cut. After the installation of this automatic rotti making machine she produces every day around 1000 rotties and also supply to hotels/restaurants too. She has employed 3 women to make rotties daily. She produces around 60,000 to 80,000 rotties every year during peak season time from October to June with turnover of Rs.4.00 lakhs/year.



On Campus Training Programme

On 6 January 2024 one day On Campus training programme was organized at KVK to PU Science students form Government P.U. College, Nesargi, Bailhongal on "Propagation Methods in Horticulture Crops". A total of 33 students along with four staff members were present in the training.

Praveen Yadahalli, Scientist (Horticulture) explained the different propagation methods involved in different horticulture crops covering sexual and asexual methods. Later in the field, hands on experience was also made to students on different grafting and budding methods in fruit crops.

G.B. Vishwanath, Scientist (Agronomy) covered KVK activities beneficial for rural youths, opportunities P. U. Science students in pursuing farm science course like B.Sc in Agriculture/ Horticulture/ Veterinary Science etc., and also DAESI course in establishing own enterprise.



Scientists Visit to Farmers Fields

Joint preliminary survey has been organized by KVK in association with ICAR-National Bureau of Soil Survey and Land Use Planning, Regional Centre, Hebbal, Bangalore at Halaga and Dhamane villages of Belagavitaluk on 08.01.2024. Survey has been carriedout to collect information on sequential cropping system in paddy crop for the project sanctioned by Department of Agriculture & Farmers Welfare, Ministry of Agriculture, GoI, New Delhi to ICAR-NBSS&LUP regional centre, Bengaluru on 'Pilot project on Crop Diversification'.

Dr. V. Ramamurthy, Principal Scientist (Agronomy) & Head and G.B. Vishwanath, Scientist (Agronomy), KVK, Mattikopp collected the information from the farmers about list of crops that are grown in residual moisture after harvest of paddy varieties, seed treatment, method of sowing nutrient applications, plant protection measures and post harvest technologies.



Demonstration of Improved Production Technologies in Water Melon

ICAR-KLE KrishiVigyan Kendra, Mattikopp in an area of 3 acres demonstrated the improved production technologies in water melon. The technology demonstrated at the instructional farm involved raised bed method, use of mulching sheet, drip and fertigation technologies, adoption of transplanting method to get early harvest, stagger planting method to minimize price fluctuation of the produce in the market and adoption of integrated pest and disease management. The water melon seedling was transplanted by Shri B. R. Patil, Chairman, ICAR-KLE KrishiVigyan Kendra, Mattikopp as a beginning of Summer season first crop to be transplanted in the KVK instructional farm.



Local Governing Body Meeting

The Local Governing Body meeting of ICAR-KLE KrishiVigyan Kendra, Mattikopp was held on 10 January 2024. The Local Governing Body (LGB) of KLE KVK will review the activities every quarterly. Shri B. R. Patil is the Chairman of LGB and the members of LGB includes Shri Anil V. Patted, Board of Director, KLE Society, Belagavi, Shri Y. S. Patil, Board of Director, KLE Society, Belagavi, Shri Praveen A Bagewadi, Board of Director, KLE Society, Belagavi and Dr. Sunil S. Jalalpure, Joint Secretary, KLE Society, Belagavi. The meeting started with the welcome by Mrs.Sridevi B. Angadi, Senior Scientist & Head of the KVK and presented the land development activities in the instructional farm, presented the mandated activities like OFT, FLD, Trainings, Extension activities, Revolving Fund activities, Seed Production activities under seed hub pulses and oilseeds, Plant Health Clinic activities, soil testing laboratory activities etc. After the meeting the Chairman and members visited various units at KVK instructional farm.



Exposure Visit of DAESI Dealers to ICAR-CCARI, Goa

An exposure visit to ICAR- Central Coastal Agricultural Research Institute, Goa was organized to Diploma in Agricultural Extension Services for Input dealers (DAESI – 5th batch) on 12 January 2024.

During the exposure visit, Mr. Shahi Vishwakarma, Senior Technical Offer, took around the entire institute and farm too DAESI participants. He explained about importance of soil testing, how to use soil health card and visited to different demo units like areca nut plantation (Mangala and Hirehalli varieties), bio-gas unit production unit, marine fish training unit etc., and also explained about different varieties developed by the institute along with its salient features.



KVK Ballari

Field day on pigeon pea variety GRG-811 & TS-3R

ICAR-KVK, Ballari and Agricultural Department jointly organized field day programme on promotion of pigeon pea varieties GRG-811 and TS-3R at Joladarasi, Ballaritaluk on 12-01-2024. During the late kharif 2023-24, farmers of rainfed areas such as Sidaginamola, K. Veerapura, Karekallu and Joldarasi have completely switched over to pigeon pea cropping system instead of maize and sunflower. During the onset of season, ICAR-KVK, Ballari promoted, UAS, Raichur released high yielding pigeonpea varieties such as GRG-811 and TS-3R thrashRaitaSamparka Kendra. Nearly 4500 ha area has been covered. During the programme, farmers addressed on various crop production and protection technologies such as nipping during vegetative stage, application of pigeon pea magic micronutrient and soil application of trichoderma enriched FYM for enhancing crop productivity. Nearly 80 farmers were participated.





KVK Bengaluru Rural

Millets Training Programme Under ARYA Project

ICAR- KrishiVigyan Kendra, Hadonahalli, Bengaluru Rural District organized six days Skill development training programme on "Cultivation practices of millets, processing and value addition"under Attracting and Retaining Rural Youth in Agriculture (ARYA) project to Rural youth from 8th to 13thJanuary 2024.

During the training programmeDr. Venkate Gowda, J., Scientist (Agronomy), ICAR- Krishi Vigyan Kendra, Bengaluru Rural District delivered lecture on improved cultivation practices and new varieties of millets. Dr. Ashwini, Assistant Professor, Institute of Baking Technology & Value addition, GKVK, UAS, Bangalore wasinvited as Resource Person and demonstrated the millet based bakery products such as cookies, doughnuts and cake. Mrs. Meghana, S.V., Scientist (Home Science), delivered lecture on processing and value addition of millets. Also highlighted about the importance of FSSAI registration and marketing strategies for millet value added products. Mrs. Navanitha, millet entrepreneur participated as resource person and demonstrated the millets value added products like malt, laddu, mixture and nippattu.

Total 20 Rural women were participated in the skill training programmeand encourage them to take up 'Millets value addition' as an enterprise.

Chief Editor : Dr. Hanumantharaya B.G.,
Senior Scientist & Head
Editors : Mrs. Meghana S.V., Dr. Venkate Gowda J.





KVK Bidar

Millets become a Dietary Staple and Thrive in Bidar District - A Remarkable Impact

The Bidar district has witnessed a remarkable transformation in its agricultural landscape, courtesy of the dedicated efforts by the ICAR- Krishi Vigyan Kendra, Bidar. Through a multifaceted approach encompassing demonstrations, capacity-building programs, value addition activities, and recipe contests, ICAR-KVK Bidar has played a pivotal role in expanding the cultivation of millets in the region. Millets, once relegated to the sidelines, have now become a staple in the daily diet of several villages in Bidar district.

The health benefits associated with millets have contributed significantly to their newfound popularity. Rich in nutrients and gluten-free, millets have emerged as a wholesome and nutritious dietary choice. In some villages, millets have become an integral part of the daily meals, promoting not only good health but also sustainable agricultural practices.

Interestingly, the urban population has also caught on to the millet trend. With an increased awareness of the health benefits, urban dwellers are incorporating millets as a compulsory item in their daily diet. The year 2023, designated as the International Year of Millets, witnessed ICAR-KVK Bidar's unwavering commitment to promoting all nine types of millets in the district. This concerted effort has not only raised awareness about the nutritional advantages of millets but has also spurred a surge in demand.

Farmers in Bidar district are responding to this increased demand by cultivating millets on a larger scale. Expressing their satisfaction, some farmers have attested that the concerted efforts of ICAR-KVK Bidar have played a pivotal role in encouraging them to embrace millet cultivation. As millets gain popularity and recognition for their health benefits, ICAR-KVK Bidar's initiative stands as a shining example of sustainable agricultural practices and community well-being.

Contributors : Mrs. Jyothi S. Kamthane &
Dr. Sunilkumar N.M.







Empowering Farmers Through Practical Learning : FFS on IPM in Cotton at Khajapur Village

In a proactive move towards sustainable agriculture, the ICAR - Krishi Vigyan Kendra, Bidar orchestrated a transformative Farmers Field School (FFS) on Integrated Pest Management (IPM) in Cotton at Khajapur village. With an enthusiastic turnout of 58 farmers, the event aimed to equip them with practical knowledge and skills to mitigate pest-related challenges in cotton cultivation.

The day unfolded with immersive practical demonstrations, providing farmers a hands-on experience in implementing IPM techniques. From identifying pests and their natural predators to mastering the art of biological control, the farmers were immersed in a holistic learning experience. The interactive nature of the sessions fostered a dynamic learning environment, encouraging participants to actively engage with experts and fellow farmers.

Group discussions played a pivotal role in the knowledge-sharing process, allowing farmers to exchange insights and experiences. This collaborative approach not only enhanced their understanding of IPM but also fostered a sense of community amongst the participants. The open dialogue facilitated the adaptation of innovative strategies, empowering farmers to tailor IPM practices to the unique needs of their fields.

By the end of the Farmers Field School, the participants left with newfound confidence and a comprehensive understanding of Integrated Pest Management. ICAR-KVK Bidar's initiative in Khajapur village stands as a beacon of sustainable farming, emphasizing the significance of knowledge dissemination and community collaboration in shaping the future of agriculture.

Contributors : Mrs. Jyothi S. Kamthane &
Dr. Sunilkumar N.M.








Exploring the Bounty : Groundnut Field visit at CFLD Demo Unit in Pandargera Village

Embarking on a journey to the heart of agriculture, a recent field visit on 8th Jan 2024 to the Groundnut fields of CFLD Demo Unit in Pandargera village, Basavakalyan taluka, Bidar district, offered a firsthand glimpse into the intricate world of sustainable farming practices.

Nestled amidst the rustic charm of Pandargera village, the Groundnut fields stood as a testament to the efficacy of modern agricultural techniques. ICAR - KVK Bidar, with its commitment to empowering rural communities, has established a CFLD Demo Unit where farmers can witness and adopt progressive farming methodologies.

The sprawling expanse of the Groundnut fields showcased not only a bountiful harvest but also the integration of eco-friendly practices. Farmers at the unit were implementing advanced irrigation systems, organic fertilizers, and pest control measures, contributing to both increased productivity and environmental sustainability.

During the visit, farmers had the opportunity to engage in interactive sessions with agricultural experts of ICAR-KVK Bidar who shared insights into optimizing groundnut cultivation. Practical demonstrations on proper seed selection, spacing, and post-harvest handling enriched the farmers' understanding, equipping them with knowledge to enhance their own yield.

The Groundnut field visit wasn't just about witnessing a successful harvest; it was a holistic experience fostering knowledge exchange and community empowerment. As the sun set over the verdant fields of Pandargera, the visit left an indelible mark, inspiring farmers to implement newfound techniques and paving the way for a more resilient and prosperous agricultural future in Basavakalyan taluka.

Contributors : Mrs. Jyothi S. Kamthane &
Dr. Sunilkumar N.M.



KVK Chamarajnagara

Millets its works, developments and value addition to commemorate the end of International Year of Millets 2023

Millets are gaining importance as the heath awareness and concern are increasing among the human population owing to health risks that are aggravating as a result of imbalanced diet. Now, with a theme of "Healthy Millets, Healthy People" we are celebrating International Year of Millets. Millets including sorghum, pearl millet, finger millet, foxtail millet, proso millet, little millet, barnyard millet and kodo millet, are becoming solution to address many health issues like diabetes, cardiovascular diseases, anemia, malnutrition, constipation, blood pressure, obesity and cancer, irrespective of the different age group across the world.

ICAR-KVK, Chamarajanagara has organized and conducted various extension activities such as capacity building programmes, frontlline demonstrations, awareness programmes, field days, recipe contests, millet fairs and exhibitions to deliver the importance of millets to farmers, farm women and extension personnel. Under the guidance of ATARI, Benagluru, KVK organized and conducted millet recipe contest at high, medium and low millet growing regions of Chamarajanagara district. Further, in the state level millet recipe contest organised and conducted by Karnataka State Department of Agriculture at Bengaluru on 17.12.2023, Chamarajanagara district team comprising Shri Mahesh, Ummatturu village and Smt. Shruthi, Ankahally village bagged first place and the participants were selected out of the competition conducted at the district and the jury team at district level included three scientists from KVK Chamarajanagar.





Field Day - Introduction of Climate Resilient Horsegram Variety CRHG - 19

ICAR-KVK, Chamarajanagara organized and conducted a field day programme on Introduction of Climate resilient Horsegram variety CRHG-19 at NICRA village, Puttanapura, Gundlupete taluk. Dr. Deepa J, Scientist (Home Science) deliberated about the health benefits of horse gram containing good amount of protein for tissue development, dietary fibre which aid to prevent degenerative diseases, contains iron that helps in maintenance of Hb level and its value added products. Mr. Rajath H. P., SMS (Agromet) highlighted the features of Horsegram variety CRHG-19, released by CRIDA, Hyderabad which is drought resistant, short duration (85-90 days), non- shattering and resistant to anthracnose leaf spot, powdery mildew and whitefly infestation. He also stressed about the good agronomic practices like timely and line sowing and intercultivation operations which facilitates better yield. Mr. Mohan, SRF (NICRA) explained about timely harvesting, threshing and storage of the produce to avail better market price. Further, Ms. Nandini, ATM (ATMA), shared information among the farmers about the facilities available to take up soil and water conservation measures at field level. The VCRMC committee members of NICRA Village also participated during the programme and expressed their experience about NICRA interventions undertaken in the village. In total, 35 farmers/farm women were present during the programme.



KVK Chikkaballapura

International Year of Millets 2023

Kisan mela and millets festival was organized by ICAR-Krishi Vigyan Kendra, Chikkaballapura on 18.7.2023 at Kaiwara village of Chintamani taluk and Dr. S.V. Suresha, Honorable Vice Chancellor, UAS, Bangalore inaugurated the programme and emphasized on promotion of millet production and its processing. Dr. V.L. Madhuprasad, Director of Extension highlighted about entrepreneurship development in millets. Dr. K.B. Umesh, Director of Research, GKVK, UAS, Bangalore explained about the importance and health benefits associated with millets. Scientists from GKVK, UAS, Bangalore and line department officials witnessed the programme. Technical sessions were organized during the programme. Millet growing farmers were felicitated during the programme. Exhibition stalls were put up in the programme. 250 farmers participated in the programme.





Millet Recipe Contests

ICAR-KVK, Chikkaballapura organised Millet recipe contests in Chintamani, Sidlaghatta and Bagepallitaluk of Chikkaballapura district. Dr. Papireddy, Senior Scientist and Head emphasised on millet production and its importance. Dr. Akshata Ramannanavara, Scientist (Home Science) explained about value addition in millets. Millet based recipes were displayed during the programme and best five recipes at each taluk were awarded.



Training of IFS

On campus training was organised at ICAR-KVK, Chikkaballapura on Integrated Farming System (IFS) under SCSP project. Dr. Papireddy, Senior Scientist and Head explained about importance of integrated farming system, different components of IFS, economic analysis of IFS. Participants were taken to model integrated farming system unit of KVK, Chikkaballapura.



KVK Chikkamagaluru

Chikkamagaluru Millet Habba

Organised district level Millet festival in collaboration with the Ministry of Food Processing, and Agriculture Department at the AIT College in Chikkamagaluru.

Thammaiah. H. D, MLA (Chikkamagaluru) in his inaugural speech mentioned that, government is providing incentives to grow millets. Similarly, he suggested that various awareness programs should be organized on behalf of the department to educate the consumers about the importance of millets and should encourage to use Millets.

Zilla Panchayat CEO Dr. B. Gopalakrishna said that United Nations has declared the year 2023 as the International Year of Millets. Millets are holding the hands of farmers even in case of extreme weather. Their importance is also great from the point of view of health. Millets are good diet for diabetic patients.

Dr. Krishnamurthy, A.T. Senior Scientist and Head, Krishi Vigyan Kendra, Chikkamagaluru, mentioned the importance of millets for healthy living . He also explained about the demonstration and extension activities being carried out by the KVK to create awareness and to encourage the farmers to grow millets in Chikkamagaluru districts.

Agriculture Department Joint Director H. L. Sujata mentioned that our elders were doing organic farming in the past. She said that now again farmers are returning to organic farming, Agriculture department is encouraging farmers to grow millets through organizing different extention activities.

Mr. Varasiddi Venugopal, President Municipal Corporation, Poornima, Joint Direcror of Horticulture, AIT College Principal Dr. Jayadev, B. C. Narendra, Progressive Farmer Erehulu Eshwarappa, Gurushanthappa, President District Krishika Samaja, and others were present in this event.





Field Day of FLD on Demonstration of Ragi Variety KMR - 630

ICAR Krishi Vigyan Kendra, Chikkamagaluru, has organized a field day on ragi variety KMR-630 at Jodilingadahalli, Kaduru taluk on January 2, 2024.

Dr. Krishnamurthy, A.T. Senior Scientist and Head, Krishi Vigyan Kendra, Chikkamagaluru, in his introductory speech , since farmers require more labor for harvesting and threshing of ragi manually, as the availability of labor is low and wages are high, they requested to use varieties suitable for mechanized harvesting. Further, he explained the demonstration and extension activities being carried out by the KVK for the benefit of farming communities and also advised them to adopt this technology and disseminate it to other farming communities also.

Dr. Ullasa. M. Y., Scientist (Agronomy), KVK, Chikkamagaluru, briefed that, farmers should add more organic matter to the soil and sow in rows. Chemical fertilizers should not be mixed with seeds for any reason. He said that for the control of the disease, farmers should give importance to seed treatment.

Further, Beeregowda, a progressive farmer and beneficiary expressed the opinion that, under the guidance of Krishi Vigyan Kendra scientists, with the ragi variety KMR 630, he is varieties to get higher yields and should carry out the cultivation as per the advice and instructions of the scientists at Krishi Vigyan Kendra. He also mentioned that he would share the seeds of this variety with other farmers.

This field day was witnessed by 35 farmers and benefited out it.





KVK Chitradurga

Recipe Contest on Millets

Recipe contest on Millets recipe was organized by Krishi Vignan Kendra in Collaboration with Department of Agriculture at Joint Director office Chitradurga on 13/12/2023. Nearly 27 self Help Group women participated in Recipe Contest. All the contestants prepared varieties of such as Ragi Halva, Ragi Malt, Ragi Masala roties, Bajra roti, Jowar Roti, Navanecolour rice, Millets Bath, Bajra Laddu, Arka Chakkuli, Millets Puliyograre, Bajra masala roti, Millets Nippattu, Millets Pulav, and other related dishes were kept. A team of four members was constituted to evaluate the recipes kept for contest. One of the team member is Dr. Saraswathi J.M, Scientist (Home Science), KVK ,Chitradurga .Team members evaluated the recipes based on taste, nutrients, way of presentation, appearance, hygiene, method of preparation, proportion of millets usage and nutrient components. Based on these parameters scores were allotted for individual contestant to make a list of top five scorers. Top five participants who scored highest were given certificates on behalf of Krishi Vigyan Kendra and from the Department of Agriculture cash prize was announced for top three scorers.

- Dr. Saraswathi J.M, Scientist (Home Science), KVK, Chitradurga.





Workshop on Millets

Workshop on Millets was organized by Krishi Vigyan Kendra in collaboration with Department of Agriculture atKellodu village of Hosadurga taluk on 30-11-2023. This programme was inaugurated by Honb'le MLA of Hosadurga constituency Mr. B.G. Govindappa. During his inaugural speech he discussed that millets are the traditional crops of the region and farmersshould take up more of millet cultivation and he also mentioned that Hosadurga is the millet bowl of Karnataka. He also briefed about the benefits of millet based diet. The Joint Director of Agriculture Dr. Manjunatha B was present as the Chief guest during the programme and during his speech he opined that FPO should take important role in production, marketing and value addition of millets.Dr.Kumara, O., Senior Scientist and Head, KVK, Chitradurga opined that millets are the nutri cereals rich in fibre and have

very good health benefits for people suffering from various ailments like diabetes etc., .Farmers should take up value addition activities of millets which can fetch very good income with minimum effort.

- Dr. O. Kumara, Sr. Scientist & Head and
Mrs. Geetha Kumari B.N., Sr. Technical Officer,
KVK, Chitradurga.



International Millets Mela 2024

International Trade Fair is organized by the Department of Agriculture, Government of Karnataka from 5th to 7th January 2024 at Palace grounds, Bangalore.This mela being the platform for farmers, farmer groups to connect and explore the opportunities in the field of processing, value addition and marketing of millets. KVK Chitradurga have displayed various millet crop varieties, their technologies and value added products in an exhibition stall at millets mela. This mela was inaugurated by Mr. Cheluvaraya Swamy, Honb'le Minister of Agriculture, Government of Karnataka. During his inaugural speech he discussed about the highlights of the programme and suggested the farmers to get aquant with various value added products of millets and their marketing strategies. He also briefed about the various machineries displayed in the mela for the benefit of farmers. Dr. R.C. Jagadish, Honb'le Vice Chancellor, KSNUAHS, Shivamogga was the chief guest during the programme. Around 60000 people have visited the KVK stall.

- Dr. O. Kumara, Sr. Scientist & Head and
Mrs. Geetha Kumari B.N., Sr. Technical Officer,
KVK, Chitradurga.





KVK Dakshina Kannada

14th Scientific Advisory Committee Meeting

14th Scientific Advisory Committee Meeting of ICAR-Krishi Vigyan Kendra, Dakshina Kannada was held on 06-01-2024 at ICAR-KVK, Dakshina Kannada, Mangaluru. Hon'ble Vice chancellor Dr. K.C. Veeranna, KVAFSU, Bidar, Chaired the session, Dr. N.A. Patil, Director of Extension, KVAFSU, Bidar, Dr. M J. Chandregowda, Nodal Officer of KVK (DK), ICAR-ATARI, Bengaluru, Dr. K.T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga, Dr. H.N. Anjanayappa, Dean, College of Fisheries, Mangaluru, Dr. S.R. Somashekara, Associate Director of Extension, Scientists from ICAR-CPCRI, Vitla, ICAR-CMFRI, ICAR-DCR, Puttur, Senior Scientist and Heads of KVK-Udupi and Kasargod, Representative from All India Radio, Mangaluru, Head from AHRS, Ullal, SAC Members, KVK Scientists and officers from developmental departments were present. As a part of the SAC, exhibition was put up showcasing activities about fresh water pearl culture by innovative farmer Mr. Naveen Chatubai, Products from South Canara Coconut farmer's producer company, Vitla and rice

germplasm collection by Mr. B. K. Devarao, Genome Saviour awardee.

Dr. T.J. Ramesha, Senior Scientist & Head welcomed the gathering and presented the proceedings and action taken report of 13th SAC meeting subsequently the activities carried out during the year 2023-24 with respect to OFTs, FLDs, trainings, extension activities&sponsored programmeswere also presented by the scientists. In the presidential speech by Prof. K. C. Veeranna, Hon'ble Vice chancellor, KVAFSU, Bidar highlighted about the farmers oriented schemes and activities implemented by the university and also suggested that the scientific technologies / research findings should reach to the farming community. Dr. M.J. Chandregowda, Nodal Officer suggested to organize the programmesin convergence with the developmental departments for mobilization of resources. The Director of Extension KVAFSU, Bidar suggested to focus upon veterinary, fisheries and post-harvest technologies for doubling the income of farmers. On this occasion, two issues of KVK news letters were released and two progressive farmers were felicitated by the dignitaries.

Contributors : Dr. Rashmi R., Scientist (Horticulture),
Dr. T.J. Ramesha, Senior Scientist and Head,
Mr. Sathisha Naik K., Programme Assistant (Computer)





Implementation of FLD Programme on Paddy

Field visit was made under "FLD Programme of popularisation of paddy variety (KAJE 25-9) for upland situation in Dakshina Kannada District"to the Alampuriguthu village of Bantwaltaluk. Dr. Harish Shenoy Assistant Professor (Agronomy) visited the field and assessed the crop condition and interacted with the farmers about the crop variety. The scientist also visited the plot of IFS farmer Shri Vittal Naik of Uli Village of Bantwal Taluk where KVK had implemented technology interventions in various components of the farm from 2012 to 2016.

Contributors : Dr. Harish Shenoy and Dr. T.J Ramesha



FLD - Popularisation of paddy (Variety-Kaje 25-9)



Visit to IFS Farmer

ICAR - Taralabalu Krishi Vigyan Kendra, Davanagere

Millet Walkthon

All staff of ICAR-Taralabalu Krishi Vigyan Kendra Davanagere participated in Millet Walkthon organized by Department of Agriculture, Davanagere on 4.01.2024. This event was organized to create awareness among the urban households about the health benefits of millets. Dr. Venkatesh M.V. (DC), Suresh B Itnal (CEO), staff of KVK and Agriculture Department, participated in the event. In walkthon, slogans related to advantages of millet consumption, health benefits were chanted. From all departments around 215 staff members participated in the programme.



Organized Training on Millet Value Addition

ICAR - Taralabalu Krishi Vigyan Kendra, Davangere in collaboration with Chaudhari Charan Singh National Institute of Agricultural Marketing, Jaipur, Rajastan organised 2 trainings of three days each on 'Millet processing, branding, packing and marketing' for rural women. The main objective of this program is to promotion the usage of millets at household level in daily diet and to prepare value added products for marketing. The core issue is to introduce healthy food habits and to address malnutrition.



Preparation of household millet products like millet dry fruits Laddu, Basin Laddu, Millet Avalakki, Millet idli, Millet dosa, Millet Chakkali, Millet payasa, Millet malt, etc. were demonstrated for the trainees. Exposure visit to millet processing industry, millet processing SHG and millet cocokies production unit were organised on the occasion. Total of 78 farm women participated in the two trainings. The trainees were provided with certificate.

Contributor : Mr. Raghuraja J. SMS (Agri. Extension)

District Level Millet Recipe Contest

Dr. Supriya P. Patil, Home Scientist, ICAR-Taralabalu KVK, Davanagere participated as Judge in District Level Millet Recipe Contest organized by Department of Agriculture, Davanagere on the eve of International year of millets and Organic mela-2024 on 14.12. 2023.Sixty three members had participated in the event and they prepared the food items like Chakali, Karachikai, Cakes, Cookies, Keelsa, Dosa, Kichadi, Laddusetc from different millets. In this contest, in sweet category D. Siddesh from Anekonda (Kodo Millet Gulladike Laddu) got 1st place, A. M Rakesh from Davanagere (Millets Laddu) got 2nd place and ShilpaDarshan from Davanagere (Ragihalu Keelsa) got 3rd place. In spicy category G.M.S. Rajesh from Davanagere (Little Millet Poha Chuda) got 1st place, P.G. Shashikala from Kotemallur (Foxtail Millet Butti) got 2nd place and SarojaPatil from Nittur (Browntop Kotte Kadabu) got 3rd place. Joint Director of Agriculture, Deputy Director of Agriculture, Assistant Director of Agriculture, Deputy Director of Women and Child Welfare, Deputy Director of Horticulture and all staff of agriculture department had participated in the event.

Contributor : Dr. Supriya P. Patil,
Programme Assistant (Home Science)



Foxtail Millet Variety – DhFt-109-3 Drought Tolerant

Implemented the FLD – Integrated crop management in Foxtail millet at Kalledevrapura, Jaglaur taluk. Mr. Mallikarjuna B.O., SMS (Agronomy) visited the FLD plots and even though there was a dry spell of more than 60 days the crop sustained and farmers harvested nearly 3-4 q/ha as compared with maize crop where they had harvested 1.5 q/ha. Fox tail millet variety DhFt-109-3 has drought tolerant capacity and yielded even under no rainfall situation. Celebrated the field day and farmers shared their experience of the variety comparing with maize and local foxtail millet variety.

Mallikarjuna B.O., SMS (Agronomy))



Exposure Visit to Bidarakere Farmer Producer Company

As a part of exposure visit, Mr. Mallikarjuna B.O., SMS (Agronomy) took the Directors of Biderakere Taralabalu Amruth Farmer Producer Company to Millets and Organics International trade Fair organized at Palace Ground, Bangalore by Government of Karnataka. FPO directors went around the mela and interacted with stake holders regarding the making brands for selling their products especially millet based products. Farmers attended the interaction meet with different stake holders and got information for their FPOs activities

Dr. Sreenivasappa, Professor, Department of Horticulture, UAS, Bangalore explained in detail the production technology of different medicinal and Aromatic extraction units. Took the participants around the crop demonstration plots and extraction units in the lab.

A field visit was made to the medicinal plant Dawana and Tulsi at Doddabalapura surrounding villages with the coordination with ICAR- KVK, Doddabalapura.

Mallikarjuna B.O SMS (Agronomy)



International Conference at TNAU, Coimbatore

Mr. Basavanagowda M. G., Scientist (Horticulture), ICAR - TaralabaluKrishiVigyan Kendra, Davanagere presented oral paper on "Case study of Entrepreneurs promoted by Farmers Producer Organization in Davanagere district of Karnataka State" at International Conference on Emerging Post Harvest Technologies for Shelf Life Enhancement and Valorization of Horticulture crops at TNAU, Coimbatore.



Registration of Farmer's Rice Varieties by National Innovation Foundation, Gujarat

Sri Anjaneya A.N. of Kumbalur, Hariharataluk, Davanagere district got two of his Rice varieties namely, SindhuraMadhuShala and AndanuruSanna registered with National Innovation Foundation, Gujarat.



Institutional Attachment of Horticulture Students

Final BSc Horticulture students from College of Horticulture have under gone two week institutional attachment in ICAR-Taralabalu KVK, Davanagere. Dr. Devaraja T.N., Senior Scientist and Head of the KVK explained about KVK mandates and activities going on in KVK. During the programme students learnt practical information on preparation of Potato Dextrose Broth (PDB) Media for mass production of Trichoderma and Final formulation of it. Scientific rearing of Honey bees and their management practices were explained to students. Soil and water analysis and preparation of soil report, value addition of food products, method of propagation of Horticultural plants, principles of organic farming practices, water conservation methods, use of Azolla in Agriculture, modern dairy management, Natural Farming Practices and its cultivation method, extension methods and other aspects related to practical aspects weretaught to students during their attachment training at KVK. Mr. Mallikarjuna B.O., SMS (Agronomy) Co-ordinated the attachment training programme.



Agriculture Drone Technology Demonstration in Chick Pea Crop

ICAR- Taralabalu Krishi Vigyan Kendra, Davanagere in collaboration with ICAR –KVK, Udupi conducted the spraying of the Chick pea magic and Neem oil in Chick pea crop through the Agriculture Drone sprayer under Agriculture Drone Technology Demonstration Project at Bheemaneri, Channagiri taluk of Davangere District. The program was inaugurated by Dr. Gurumurthy K.T., Director of Extension, KSNUAHS, Shivamogga. Mr. Mallikarjuna B.O SMS (Agronomy) explained in detail about the technologies involved in drone sprayer and its effectiveness on crops, soil and human health. We covered chickpea crop area around 135 acres with two drones for two days. There was a good cooperation by farmers making the event successful.

Dr. Dhanajaya, SSH, KVK Udupi, Dr. Devaraja T.N., SSH KVK, Davangere, Dr. Naveen, Scientist (Agronomy) and Dr. Gangappagouda Biradar, Extension Leader, ARS, Kathalgere were present in the program

Mallikarjuna B.O., SMS (Agronomy)

ಪ್ರಜಾವಾಣಿ

ಕಡಲೆ ಬೆಳೆ ಬೆಳೆದಿದ್ದ ರೈತರು ಭಾಗಿ

ಡ್ರೋಣ್‌ನಿಂದ ಔಷಧ ಸಿಂಪಡಣೆ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ



ಸಂತೇಬೆನ್ನೂರು ಸಮೀಪದ ಭೀಮನೆರೆ ಗ್ರಾಮದಲ್ಲಿ ಮಂಗಳವಾರ ಕೃಷಿ ತಜ್ಞರಿಂದ ಕಡಲೆ ಬೆಳೆಗೆ ಡ್ರೋಣ್ ಮೂಲಕ ಔಷಧ ಸಿಂಪಡಣೆ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಗೆ ಚಾಲನೆ ನೀಡಲಾಯಿತು

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ಸಂತೇಬೆನ್ನೂರು: ಕೃಷಿಯಲ್ಲಿ ಡ್ರೋಣ್ ಬಳಕೆ ಬಗ್ಗೆ ರೈತರು ಮಾಹಿತಿ ಪಡೆದುಕೊಳ್ಳಬೇಕು. ಆಧುನಿಕ ಸಂಶೋಧನೆಗಳು ಕೃಷಿ ಕ್ಷೇತ್ರದ ಕ್ಲಿಷ್ಟಕರ ಸಮಸ್ಯೆಗಳಿಗೆ ಪರಿಹಾರ ನೀಡುತ್ತಿವೆ ಎಂದು ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ ಗುರುಮೂರ್ತಿ ತಿಳಿಸಿದರು.

ಸಮೀಪದ ಭೀಮನೆರೆ ಗ್ರಾಮದಲ್ಲಿ ಮಂಗಳವಾರ ಐಸಿಎಆರ್ ತರಳಬಾಳು ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಶಿವಮೊಗ್ಗದ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕಾ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಉಡುಪಿ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ ಹಾಗೂ ಕತ್ತಲಗೆರೆ ಕೃಷಿ ಸಂಶೋಧನಾ ಕೇಂದ್ರದ ಸಹಯೋಗದಲ್ಲಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಡ್ರೋಣ್ ಮೂಲಕ ಕಡಲೆಬೆಳೆಗೆ ಸಿಂಪಡಣೆ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ ಉದ್ಘಾಟಿಸಿ ಅವರು ಮಾತನಾಡಿದರು.

ಡ್ರೋಣ್ ಬಳಕೆಯಿಂದ ಸಮಯ, ನೀರು ಉಳಿತಾಯವಾಗಲಿದೆ. ಕೂಲಿಗಳ ಸಮಸ್ಯೆಗೆ ಪರಿಹಾರ ಸಿಗುತ್ತದೆ. ಒಂದು ಎಕರೆ ಸಿಂಪಡಣೆಯನ್ನು ಕೇವಲ 10ರಿಂದ 15 ನಿಮಿಷದಲ್ಲಿ ಪೂರೈಸಲಿದೆ. ರೈತರಿಗೆ ಉತ್ಪಾದನಾ ವೆಚ್ಚ ಕಡಿಮೆ ಆಗುವುದು. ಗ್ರಾಮದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ 150 ಎಕರೆ ಕಡಲೆ ಬೆಳೆಗೆ ಡ್ರೋಣ್ ಮೂಲಕ ಔಷಧ ಸಿಂಪಡಣೆ ಮಾಡಲಾಗುವುದು ಎಂದು ತರಳಬಾಳು ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ ಬೇಸಾಯ ತಜ್ಞ ಬಿ.ಒ.ಮಲ್ಲಿಕಾರ್ಜುನ್ ಮಾಹಿತಿ ನೀಡಿದರು.

ಕಡಲೆ ಬೆಳೆಗೆ ಕಡಲೆ ಮ್ಯಾಜಿಕ್ ಹಾಗೂ ಬೇವಿನ ಕೀಟನಾಶಕ ಸಿಂಪಡಣೆ ಮಾಡುವುದು ಸೂಕ್ತ ಎಂದು ನವೀನ್ ಸಲಹೆ ನೀಡಿದರು.

ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದ ಮುಖ್ಯಸ್ಥ ಟಿ.ಎಸ್. ದೇವರಾಜ್, ಧನಂಜಯ್, ಬಿರಾದಾರ್, ಗ್ರಾಮ ಪಂಚಾಯಿತಿ ಅಧ್ಯಕ್ಷ ವಿಕ್ರಮ್ ಪಾಟೀಲ್, ರಾಮತೀರ್ಥ ರೈತ ಉತ್ಪಾದಕ ಕೇಂದ್ರದ ಅಧ್ಯಕ್ಷ ಬಿ.ಸಿ.ರುದ್ರೇಶ್, ರೈತರಾದ ಪರಮೇಶ್ವರಪ್ಪ, ವಿಶ್ವನಾಥ್, ಸಂಜೀವರೆಡ್ಡಿ, ಪ್ರವೀಣ್, ಮಂಜುನಾಥ್, ರಘು, ಹಾಲೇಶ್ ಇದ್ದರು.

Exhibition of KVK Promoted Products at ATARI, Benagaluru

ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere exhibits its FPO promoted products in ATARI-Benagaluru during the visit of Dr. Himanshu Pathak, Secretary (DARE) and Director General (DG), ICAR to ATARI office Bengaluru on 10th January. The main products kept in the exhibition include Cookies made out of Foxtail, Proso, Barynyard and Kodo millets, BaKaHu based products like Burfi, Bakahu powder and Millet energy mix powder. The Senior Scientist and Head of the Krishi Vigyan Kendra Dr. Devaraja T.N, Mr. Basavanagowda M.G. (SMS Horticulture) and Mr. Santhosh B., Programe Assistant (Computer) participated in the exhibition.

Contributor : Dr. Devaraja T. N.,
Senior Scientist and Head







Cross Learning Visit from KVK Udupi Scientists

Dr. Dhanajaya B., Senior Scientist and Head and Dr. Naveen N.E Scientist Agronomy visited ICAR-Tralabalu Krishi Vigyan Kendra, Davanagere as part of their cross learning program. Dr. Devaraja T.N, Senior Scientist and Head of the KVK briefed about current activities going on in the KVK and took them around the instructional farm and demonstration units maintained in the KVK. Visiting scientists also interacted with all scientists of KVK Davanagere.

Contributor : Dr. Devaraja T. N.
Senior Scientist and Head



Training on Natural Farming

ICAR Taralabalu Krishi Vigyan Kendra conducted training on natural farming at Kandagal village of Davanagere taluk. Mr. H. Sannagoudra, SMS (Soil science) Demonstrated the preparation of different solutions like Jeevamrutha, Beejamrutha etc. Mr. Basavanagouda M G explained the role of biofertilizers in natural farming. Mrs. Reshma, Senior Assistant Director of Horticultre provided the information on importance of natural farming in plantation crops. 50 selected farmers and officials of state department of Horticulture were involved in programme.

Contributor :
Mr. H.M. Sannagoudra, SMS (Soil Science) &
Mr. Basavanagowda M.G., SMS (Horticulture)





KVK Dharwad

Women Scientist Award

Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad received the "Women Scientist Award" during 3 Days International Conference on "Impact of Climate Changes on Global Food, Livestock, Livelihood and Environmental Security: Advance Approaches and Mitigation Strategies" jointly organized by Navsari Agricultural University, Navsari, Gujarat and NADCL, Baramulla, UT of J & K in-collaboration with ICAR-NAHEP, Centre for Advanced Agricultural Science & Technology (CAAST), NAU, Navsari held at Main Campus, Navsari Agricultural University, Navsari, Gujarat during 28-30 December 2023 in hybrid mode.



Certificate of Merit

CERTIFICATE NO. NAUNADCL386

The award selection committee of ICCGFLLES-2023 confer its

Women Scientist Award

to

Dr. Jayashree Pattar

Scientist (Animal Science)
ICAR-Krishi Vigyan Kendra, Dharwad
University of Agricultural Sciences, Dharwad, Karnataka India

For outstanding contribution in the extension of

Animal Science

On the occasion of
3 Days International Conference on
"Impact of Climate Changes on Global Food,
Livestock, Livelihood and Environmental Security:
Advanced Approaches and Mitigation Strategies" (ICCGFLLES-2023)
Jointly organized by
NAU, Navsari, Gujarat and NADCL, Baramulla, UT of J & K
in-collaboration with
ICAR-NAHEP, Centre for Advanced Agricultural Science & Technology
(CAAST), NAU, Navsari,
Held at main campus, Navsari Agricultural University,
Navsari, Gujarat

During 28 to 30 December 2023

Dr. Alpesh Lava
Organizing Secretary
Head Dept. of Social Science, ACH
NAU, Navsari, Gujarat

Dr. N. M. Chauhan
Organizing Chairman
Director of Extension
NAU, Navsari, Gujarat

P. Qamar-ud-Din Shah
Chairman
NADCL Baramulla

Participation of KVK Scientist as Resource Person

Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad participated as resource person and delivered lecture on 'Role of edible oil cake in animal feed' during the officers training under National Mission for Edible Oil (MNEOTRFA) organized by KSDA, Dharwad at DATC, Dharwad on 10.01.2024. Around 25 agriculture department officials were present during the training.





Sponsored Training on Integrated Sheep / Goat Cum Poultry Farming

ICAR-KVK Dharwad organized 6 days Integrated sheep/goat cum poultry farming from 8-17 January 2024 at Dept. of Animal Science, UAS, Dharwad sponsored by Rastriya Krishi Vikas Yojana (RKVY) to final year students of Experiential Learning Programme. During the training programme, various topics like importance of sheep and poultry in integrated farming system, breeds, selection of animals and medicinal importance of sheep/goat milk, grading up of breeds, identification of heat and breeding, feed and fodder management, housing system, control of diseases in sheep and poultry, maintenance of registers and project report preparation, use of farm residues method demonstration on selection of sheep/goat breeds, azolla, egg candling, silage and vermicompost preparation were demonstrated. Resource persons from line department and bank were also enlighten the participants about facilities and schemes related to sheep and poultry in central and state Dept. of Animal Husbandry and Veterinary Services. Total 38 students were benefitted by training.



Method demonstration on use of Mango Special

ICAR-KVK Dharwad organized method demonstration on use of Mango Special spray in mango orchard under FLD on ICM in Mango on 06.01.2024 at Kelageri village of Dharwad taluka. Arka mango special a micro nutrient mixture is beneficial for increasing the fruit size and quality of mango which is sprayed before flowering and after fruit formation once at pea size and another at lemon size mango fruits. About five farmers participated in the method demonstration.



Participation of KVK Scientist as resource person in Sorghum Field Day

Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad participated as resource person and delivered lecture on 'Cultivation of sorghum crop and management of fall army worm' during Field Day on Sorghum organized by KSDA, Hubballi at Sutagatti village of Hubballi taluka on 01.01.2024. Around 65 farmers and farm women participated in the programme.



Method demonstration on use of UASD compost culture

ICAR-KVK Dharwad organized method demonstration on use of UASD compost culture for decomposing sugarcane trash under FLD on Insitu composting of Sugarcane trash using UASD compost culture on 04.01.2024 at Honnapur village of Dharwad taluka and on 07.01.2024 at Aravatagi village of Dharwad taluka. Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad conducted method demonstration for 29 farmers of Honnapur and Aravatagi villages and explained about procedure and methodology of compost culture use with cow dung slurry to sugarcane trash @ 1 kg compost culture per 1 kg sugarcane trash.





Follow-up field visit to FLD on Safflower

Follow-up field visit to FLD on Demonstration of Safflower variety A-2020 was done by ICAR-KVK, Dharwad Scientists on 13.01.2024 to Karadigudda village of Dharwad taluka. Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad observed that performance of A-2020 Safflower variety is better as compared to check variety A-1 and this year the aphids infestation is less compared to last year.



Follow-up field visit to FLD on Wheat

Follow up visit to FLD on Nutrient Management in wheat using microbial cultures at Karadigudda village of Dharwad taluka on 13.01.2024 was carried out by Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad. Scientist conveyed the message that though microbial cultures i.e., both through seed treatment and later with spraying microbial cultures benefits both root and shoot development leads to better performance of the crop.



Participation of KVK Scientist as resource person in Chickpea Field Day

Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad participated as resource person and delivered lecture on 'Cultivation of chickpea crop and management of rust' during Field Day on Chickpea organized by KSDA, Hubballi at Unkal village of Hubballi taluka on 06.01.2024. Around 62 farmers and farm women participated in the programme.



Contributors :

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

KVK Gadag

KVK Trained Women Winner in Millet Competition

Karnataka State Department of Agriculture, Gadag organised Millet recipe competition on 13-12-2023. Dr.SudhaMankani, SMS (Home Science) participated as Judge for the millet competition. Many trained farm women from KVK took part in culinary competition. One among them is Smt. MuttavvaPujar from Shigataryanakeri village of Mundaragi block where in NICRA Project is operating got 1st Prize for district level. She prepared Raagi Rose cookies which is unique and tasty. She has received a prize money of Rs.5000 and a Certificate.



Dr. Sudha V. Mankani, Senior Scientist & Head (I/c.) of ICAR-KVK, Gadag)

She has also secured 2nd Prize at State Level Millet Cooking Competition that was held on 24th of December, 2023 at Bengaluru. She received award from Honourable Chief Minister of Govt. of Karnataka Shri Siddaramaiah during Millet and Organics International Trade Fairorganised from 5th to 7th January, 2024 at Bengaluru.

Field Day on Rabi Sorghum and Demonstration of Drone Sprayer

Field day on Rabi Sorghum and Demonstration of Drone Sprayer was organized by ICAR-KVK, Gadag under NICRA Project at Shingatrayankeri village of Mundaragi Taluk. SPV 2217 variety of Rabi Sorghum was demonstrated in the village. Field day was organized in Rabi Sorghum field of Shri Manjappa Abbigeri.

ShriN.H.Bhandi, SMS (Soil Science) explained about special traits and profitability of SPV 2217 variety over the existing varieties and urged farmers to follow ICM practices to get better crop yield. Shri Shankargouda Patil, Progressive Farmer of Shingatrayankeri village expressed happiness about the SPV 2217 variety of Rabi Sorghum and told that farmers are expecting good yield from this variety even during the prevailing drought situation.



Drone Sprayer was Demonstrated in Rabi Sorghum

Drone sprayer was demonstrated in Rabi Sorghum, Tuberose and Bengal gram crops in different farmers' fields. Dr. Vinayaka Niranjan, SMS (Ag. Engg.) explained about operating methods, utility and effectiveness of drone sprayer and insisted farmers to make use of the drone technology. Shri Mahesh Gaddigoudar and his team from Fowler Westrup Co. Ltd. demonstrated the drone and explained about the custom hiring service of drone sprayer. Totally 44 farmers from Shingatrayankeri and Shivajinagar villages were present during field day and witnessed the drone demonstration.



Shri N.H. Bhandi, SMS (Soil Science) and
Dr. Vinayaka Niranjan, SMS (Ag. Engineering)]

Organisation of Kissan Mela at Nicra Village

Under National Inititative for Climate Resilient Agriculture, Kissan Mela was organised at Singatarayanakeri village of Mundaragi taluk on 29-12-2023.On this occasion, farmers were sensitized about dryland horticulture, crop conditions, pest and disease management in rabi crop conditions in the present situation etc., Shri N.H.Bhandi, SMS (Soil Science) discussed about Natural Farming, Soil Health, Soil Nutrients etc., Dr. Vinayaka Niranjan, SMS (Agri. Engg.) briefed about importance on usage of combined harvester in Chickpea and Safflower crops to reduce manpower involved in harvesting. Progressive farmers namely ShriMariyappa Pujar, Shri Suresh Abbigeri, Shri Shankaragouda Patil, Shri Hanumantappa Roddanavar, Shri Chandrappa Kadampur, Shri Bheemappa Roddanavar and around 135 farmers participated in the programme.

Shri N.H. Bhandi, SMS (Soil Science),
ICAR-KVK, Gadag.



Millets : A Sustainable, Nutritious and Delicious Choice

ICAR-KVK Hassan in collaboration with Department of agriculture, Hassan organized the District level millet recipe competition, Millet Mela and Millet walkathon on the eve of International year of millets-2023 at JDA office Hassan.

Dr. Shivashankar, M. Scientist (Home Science), Krsihi Vigyan Kendra, Hassan during his introductory speech she addressed the importance of millet consumption and ways to promote millet production and consumption. Further, he explained the history of millets cultivation, status of malnutrition, improved agronomic practices, varieties released by university of agricultural sciences, Bangalore, processing and marketing aspects of millets.

Mrs. Poornima, CEO, Hassan has inaugurated the programme and in her inaugural speech she said the importance of millets recipes in human diet and in providing nutrition to the humans. She also mentioned that millets value added foods were nutritious, tasty and sustainable one and one who chooses these foods will look healthier and happy, that why millets is a sustainable, nutritious and delicious choice to eat. Mrs. Rajasulochana, JDA, Hassan chaired the programme and during her presidential remarks she mentioned the importance of millets to achieve nutritional security.

During the porgramme the dishes made from different types of Millets made the mouths of the attendee's water and an effort was made to make the people aware of the nutritional importance of pseudo cereals, the benefits of consuming them, the method of preparing value added products and displayed several dishes viz., navane payasa, navane laddu, navane palav, same laddu, navane, haraka, same and ragi mixture and chakkuli, ragi dosa, ragi shavige, ragi halwa, ragi laddu, ragi uppittu, ragi flour, ragi paddu, pakoda and idli.

Mrs. Leelavathi, Principal, Government home science college, Hassan, Mr. Krishnegowda, President Krishika samja, Hassan, Mr. Manu, ADA, Department of Agriculture, Hassan, Mrs. Manjula, DPD, ATMa, Hassan and 35 women participants for recipe competition

were participated in the programme and involved in farmers scientist interaction during the programme. Finally three women's were honored for the best millet recipe competition.

Further a district level millet walkathon was also organized in collaboration with all line departments, Zilla panchayath, All India radio, Hassan and Doordarshan, Hassan from Hassan district parade ground to Hemavathi statue near city bus stand for 2 Kms. During the walkathon quotes on importance of millets, value added products posters, health benefits, nutrition values were displayed through placards and also through slogans to create awareness among the people. Nearly 1500 people were participated in this walkathon and many people were witnessed the programme by standing all along the road side.





Field Day

ICAR-KVK, Hassan has conducted the Field day on improved varieties in Ragi, Redgram, Field bean, and Horse gram and human health camp at K. Hosahalli, Hassan taluk under the adopted village programme on 12/01/2024. Mr. Mohan, Agriculture officer, Department of agriculture, Dudda has inaugurated the programme and in his inaugural speech he said that farmers should adopt both improved varieties and organic farming practices in their farm to improve yield.



Dr. Shivashankar, M., Scientist (Home science), KVK, Hassan, has chaired the programme and during his presidential remarks he said that to get higher income farmers should practice scientific farming by taking advice from the scientists. Further, he stressed importance of adopting organic farming to improve soil health for giving good soil to the future generation. Dr. Shrinivas Deshpande, Scientist, KVK, Hassan during his introductory remarks he briefed the objective and importance of field day. He also explained the results of improved varieties in Ragi (KMR-301), Redgram (BRG-4), Field bean (HA-4) and Horse gram (PHG-9) by comparing their yield and quality with the existing cultivated varieties. Further he explained the importance of mechanization in agriculture and importance of agro-forestry in farming.

Dr. Nagaraja, T., Scientist, KVK, Hassan has briefed how pest and disease will reduce the yield and cause lose to the farmers. Further, he suggested farmers to take up integrated pest and disease management in crops to avoid crop lose.

After that farmers were taken to the demonstration plots to show the results of improved varieties and forest trees like hone, teak, neem were distributed to the farmers.

Mr. Krishnegowda, Mr. Hanumayya. Mr. Deepak Progressive farmers of K. Hosahalli Village, K. Hosahalli School Head Master, Dr. Pallavi, Scientist, KVK, Hassan, Final Year B.Sc. (Horti) students, College of Horticulture, Mudigere and Farmers of K. Hosahalli and surrounding villages were participated in the programme.

KVK Haveri

District Level Training Program on Importance and Use of Drip Irrigation Under Centrally Sponsored Pradhan Mantri Krishi Sinchai Yojana

An awareness and training program on efficient utilization of water for crop management using drip Irrigation was organized in collaboration with ICAR-Krishi Vigyana Kendra and Sericulture Department, Haveri. Dr. J. S. Hilli, Dean (Agri) and Campus Head, College of Agriculture, Hanumanamatti in his inaugural speech opined that declination of total rainy days due to extreme weather in recent days as affected the cropping practices of the farmers. Hence farmers need to follow water saving irrigation practices such as drip and sprinkler irrigation to obtain maximum and quality yields. Further he urged the farmers that, for efficient utilization of water and conservation of soil moisture, farmer has to maintain soil health through application of organic manures.

Mr. M. S. Patil, Deputy Director of Sericulture, Zilla Panchayat, Haveri in his opening remarks said silk growers to take the benefits of centrally sponsored Pradhan Mantri Krishi Sinchai Yojana for adoption of drip irrigation. Then Mr. B. R. Angadi, Assistant Director of Sericulture, Haveri guided farmers to expand area under mulbery as district climate is congenial for mulberry cultivation. Senior Scientist and Head of the center Dr. Guruprasad G. S explained about ecofriendly management practices for major pests and diseases in mulbery. Then Mr. Vijaykumar (Premier Drip Irrigation Company), a resource person of the programme explained the benefits of drip irrigation in mulberry cultivation.

Dr. Santosh H. M. scientist (Horticulture), informed farmers about the importance of soil testing, sample collection and use of soil health card. Dr. Srinivasalu, Scientist, Central Silk Board, Bangalore gave information on deformed cocoon formation and its management.

In this program, Dr. Mahesh Kadagi, Mr. Chandrakant Kotabagi, other officers of Sericulture Department, Haveri and around 110 silk growers participated and benefited from this programme. In this programme, leaflet on sericulture was unveiled by the dignitaries.



KVK Kalaburagi - I

Vikasit Bharat Sankalp Yatra-2023-24

ICAR - Krishi Vigyan Kendra, Kalaburagi-I officials participated Prime Minister-Vikasit Bharat Sankalp Yatra (VBSY) programme at Dangapur and Bhusanoor villages of Aland Taluka, Kalaburagi dist.in collaboration with line department viz,Canara Bank, Karnataka Grameen Bank, Ujwala Yojana, NGO, Department of Agriculture and Horticulture on 08.01.2024.

The programme was attended by Dr. Zaheer Ahamed, Scientist (Pathology) interacted with participants on integrated disease management in field and horticulture crops and explained about drone technology. Dr. Shreenivas, B. V Scientist (Soil Science) explained about the KVK activities, facilities and services available at the KVK. Further, he discussed about importance of soil and water testing in Agriculture and importance of residue management in Agriculture. The programme was witnessed byRevansidda. Manager, Aditya, KGB, Line department officials, Gram Panchayat members, progressive farmers, students and public. Around 350publics were benefitted from these two programmes.





Training Programme on Organic / Natural farming

ICAR-Krishi Vigyan Kendra, Kalaburagi-I in association with Sri Dharmasthala Manjunatheswra, NGO, KalagiTq. Dist. Kalaburagi organised One day training programme cum exposure visit on Agriculture and Agril. Employments to the farm women of Kalaburagi district on 10.01.2024. During the programme,Dr. Zaheer Ahamed, Scientist (Pathology) interacted with participants on integrated disease management in field and horticulture cropsexplained about the KVK mandated activities, facilities and services available at the KVK and Dr. Shreenivas, B.V. Scientist (Soil Science) discussed about importance of soil and water testing in Agriculture and nutrient and residue management in Agriculture.

After the programme, participants visited to different method demonstration units of the KVK like, compost, vermicompost, hydroponics, azolla units, poultry unit, medicinal & aromatic plots, soil testing labs, organic inputs demo, museum, terrace garden and dairy farm. A total of 30 farm womens from different villages of Kalagi taluka were actively participated and benefitted from the training.







Programme 3 : Krishi Mela on Organic Farming

ICAR-Krishi Vigyan Kendra Kalaburagi-I, Zilla Panchayat, KSDA,Shri. Gurupadalingeshwara Muttyan Babalad math religious and charitable trust, Kalaburagi jointly organised one day Krishi mela on Organic Farming under organic millets scheme organised at Shri. Gurupadalingeshwara Muttyan Babalad Math, Muttyan Babalad, Kamalapur taluka, Kalaburagi district on 15.01.2024. On eve of organic Krishi mela, ICAR-KVK, Kalaburagi and Dept. of Agriculture, RSKs and privatecompanies were exhibited information about organic farming and products. Exhibited various organics products preparation like vermi compost, role of earth worms, PSB, rhizobium, azospirillum, azolla culture, jeevamrutha, beejamrutha, panchagavvya, agni astra, neemastra, dashaparni kashaya, gokrupamruthajal etc.

After the inauguration, Dr. S. A. Patil, Former Vice Chancellor, UAS, Dharwad, Director, IARI, New Delhi, discussed about Organic farming and scientific and business based agriculture can leadto success, economic development of the farmer. Sri. Samad Patel, JDA, Kalaburagi enlightened about the organic farming in present situation also focussed on organic carbon in our soil which is very low and suggested to use organic fertiliser more for improving soil health. Sri. Chandrakant Jeevanagi, ADA, Kalaburagi emphasised about different facilities and schemes available in department.

KVK Kalaburgi - II

Sri Gurupadalingeshwar swamiji and Madan Hipparaga swamiji presided the training cum interaction session of integrated organic farming system and importance of organic products.During this training, progressive farmers and farm women of Kalaburagi district were enlightened on integrated organic farming system. ICAR-KVK, Kalaburagi-Iscientist, Dr. Yusufali, Scientist (Agronomy), was spoken on Importance of organic farming in present situation and future prospects.Krishi Vigyan Kendra, Kalaburagi organized an exhibition stalls showcasing the technologies released by UAS, Raichur.During the programme, Farmers-Scientists interaction was arranged during the session farmers asked series of questions on importance of natural farming, organic farming, millets based agriculture, processing opportunities, improvement of soil fertility, soil and water conservations methods, vermi compost methods etc.In this programme DCC bank director, PKPS president, AOs from different RSKs, Dept. officials and staffs were presented. Around 1200 farmers from different villages of Kalaburagi district were participated in the programme.

Contributors : Dr. Raju G. Teggelli,
Senior Scientist and Head,
Dr. Shreenivas B.V., Scientist (Soil Science),
Dr. Zaheer Ahamed, Scientist (Pathology),
Dr. Yusufali Nimbargi, Scientist (Agronomy)





Commemorative Activities About International Year of Millet 2023

- **Supply of seeds :** During their respective season, ICAR-KVK, Kalaburgi-II (Raddewadgi) supplied the seeds of all types of millets to interested famers willing to grow in their fields for prescribed price fixed by the UAS, Raichur.
- **Demonstration on millets :** In view of International Year of Millet 2023, ICAR-KVK, Kalaburgi-II (Raddewadgi) demonstrated all types of millets with improved varieties in KVK demonstration plots and also in interested farmer's field.
- **On & off campus CDP programs :** On the eve of International Year of Millet 2023, on and off campus capacity development programs organized in the KVK jurisdiction villages. Urge the farmers to keep-up family members health by growing and consuming millets to prevent health issues like Nutrient deficiency, Sugar and Blood pressure and in each program participants were served with millet biscuit and millet food.
- **Field day on Millets :** In presence of UAS, Raichur dignitaries, KSDA, Kalaburgi officials and progressive farmers conducted field day along with young minds (School students) and farmers of KVK, Jurisdiction. During the event progressive farmers expressed positive views on millet consumptions and its health benefits to the gathered participants.
- **Dignitaries visited Millet demonstration plot :** Dr. M. Hanumanthappa, Vice Chancellor, Dr. S.B.Goudappa and Sri. Mallikajun, Board Member of UAS, Raichur visited millet demonstration plot on 3rd October, 2023 and expressed their views on different millet varieties grown in the demonstration field.

On 12th October, 2023, Dr. V. Venkata subramanian Director, ICAR - ATARI, Bengaluru along with Dr. S.B. Goudappa, Director of Extension, UAS, Raichur visited ICAR-KVK, Kalaburgi-II millet demonstration plot and expressed his happiness about different millet varieties seen in one acre plot as well as exhibition of live specimen of different millets in pots at main entrance of KVK.

- Exhibition : In every Krishi Melas and exhibition ICAR-KVK, Kalaburgi-II exhibited all types millets and its value added products developed by Dept. of food processing, UAS, Raichur and KVK contact farmers.
- Entrepreneurship with millets and its products : In coordination with IIMR, Hyderabad we encouraged agriculture graduates to initiate millet processing startup in the name of "Nidagundi shree Hadi Basavannappa oil seeds and millets producer company limited" at Jeratgi Tq. Jewargi.









Visit to OFT and FLD Plots

On 4th January 2024, Dr. Chethan T, Scientist (Horticulture) ICAR-KVK, Kalaburgi-II visited OFT on assessment of Chilli varities plot and FLD on pomegrante plot at Kellur village Tq. Jewargi and recorded parameters, also suggested management practices for the problem in those plots. In pomegranate, demonstrated the use of Sonar (Penicillium pinophilum) and Arka microbial consortium for management of nutrients and wilt.

Authors : Dr. N. Manjunath, Sr. Scientist & Head,
Dr. Chethan T, Scientist (Horticulture) and
Mr. Sanjeevkumar Patil, Technical officer (Computer)







KVK Kodagu

Six Days Training Programme on Agro Ecological Practices for Community Resources Persons of Farm Livlihood Krishi Sakthi

A six days training programme on Agro ecological practices for community resources persons of farm livelihood - Krishi Sakhi in collaboration with Sanjeevini, Karnataka, UAHS, Shivamogga and Department of skill development Entrepreneurship and Livelihood was conducted at ICAR-KVK Kodagu from 8th - 15th January, 2024. The programme was inaugurated by Shri. Kumar, District Programme Manager, Sanjeevini, Jilla Panchayath, Kodagu District. In the programme, Shri. Jagannath, District Manager, Shri. Yogesh, taluk programme manager of Sanjeevini, Shri. K.V. Veerendra Kumar, SMS(Plant Protection), Mr. Benecio Fernandes (Programme Assistant), Smt. Lakshmi (Farm manager) were present. The programme was presided over by Shri. Prabhakar, Head Incharge, KVK, Gonikoppal. A total of 35 Krishi Sakhis of Virajpet taluk participated in the training programme.

During the course awareness was created on various topics like possible opportunities of livelihoods, coffee cultivation & processing, organic farming, soil health management, importance of climate in crops, bee keeping, seed selection, production & treatment, Farm Field School, crop life cycle, communication skills, livestock management, available bank schemes & subsidies for women, etc. Filed visits were also arranged for the benefit of participants. At the end of the programme the women participants expressed satisfaction about the arrangement and facilities created by KVK Gonikoppal and wide range of information and exposure they received during the course.





KVK Kolar

Honourable MP Kolar Visited ICAR-KVK Kolar

ICAR – KVK, Kolar has organized six days skill development training programme of “Malakar” under "PM Vishwakarma Scheme" from 28.12.2023 to 03.01.2024. Trainees were engaged in preparation of bio crafts from grainage cut cocoons. Dr. M. Vijayendra, Retd. Professor from College of Sericulture and Dr. Rajesh A.M., COH, Kolar was the Master Trainers. Around 15 farm women/SHG members from Kolar district participated in the programme.

Shri S Muniswamy, Honourable MP, Kolar visited ICAR KVK Kolar and interacted with PM Vishwakarma trainees and KVK scientists on 03.01.2024.



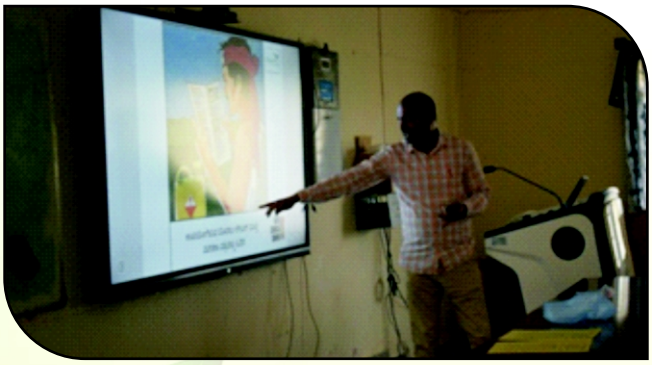






ICAR-KVK, Kolar organised on campus capacity building programme on " Safe use of pesticides"

KVK, Kolar along with Parijata Industries India Ltd. and Dept. of Horticulture, Kolar organised training programme on "Safe use of pesticides" on 03.01.2024. Dr. Manjunath Reddy T. B, Scientist (Plant Protection) delivered a lecture on Safe use of pesticides in horticultural crops, around 60 farmers benefitted from the training.





Field day on ARC techniques in Potato

ICAR KVK Kolar as copartner with RHREC Bengaluru, CIP Bengaluru, GIZ India, organized Field Day on ARC techniques in Potato at RHREC Bengaluru on 04.01.2024. Ramesh (IAS) Director of Horticulture-GoK, Director of Research Dr. Maheshwarappa, Director of extension Dr. Lakshmi Narayana Hedge, ADR RHREC - Dr. S. L. Jagadeesh, Dean (Hort.) CoH-Bengaluru Dr. G.K. Swamy, Dr. Shivanand V Hongal, SS & H, KVK, Kolar, officials from department of horticulture, RHREC & nearly 150 potato farmers from Kolar, Chikkaballapur, Chintamani & Hassan districts participated & benefitted from the program. An exhibition was also organized by displaying various accessions and genotypes of potato.



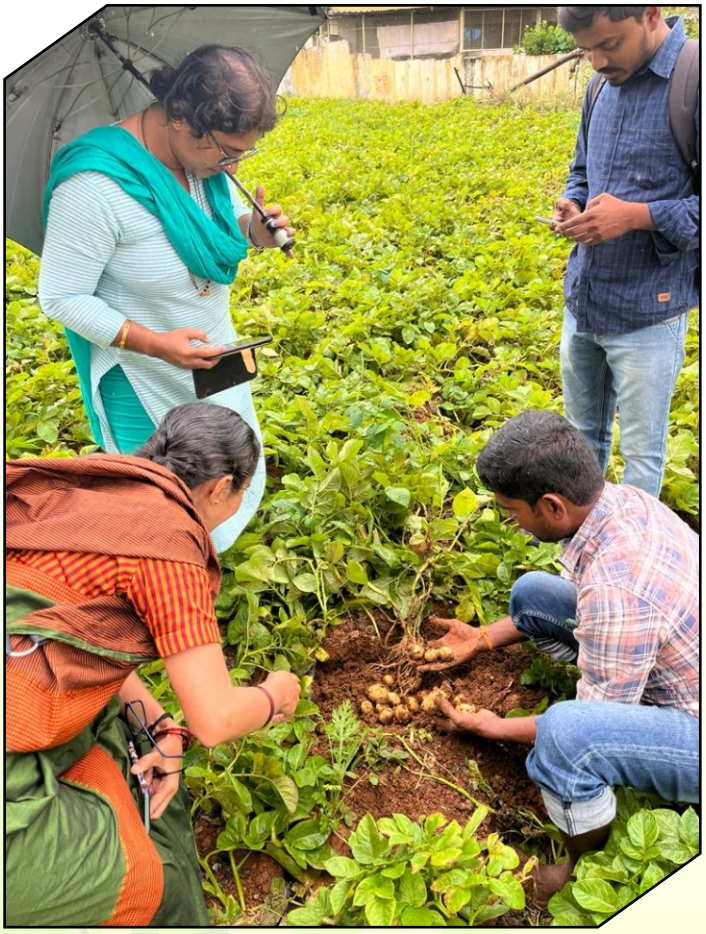


Field Day on feasibility of ARC Techniques in Potato

ICAR KVK Kolar in collaboration with department of Horticulture Bangarpet organized Field Day on feasibility of ARC techniques in Potato under the On farm testing at Siddanahalli village of bangarpete taluk on 08.01.2024. Dr. Shivanand V. Hongal presided over the function. Dr. Amrutha Bhat, Associate professor, RHREC, Bengaluru explained about management of ARC nursery and marketing facilities in ARC nursery. Dr. Prasssanna H.S. CIP, Bengaluru delivered lecture on Effective utilization of ARC techniques in potato for seed tuber production. Dr. Shivareddy, SADH, Bangarpet taluk explained about various benefits available from the department

of Horticulture. Dr. Asha K. M, Scientist (Horticulture) were present during the function. Around 50 farmers participated and benefited from the programme.





Vikasith Bharath Sankalpa Yatra Programmes

ICAR-KVK, Koppal Scientist participated in Vikasith Bharath Sankalpa Yatra Programme on 04.01.2024 at Hirekheda Village. Dr. Raghavendra Yaligar, Senior Scientist and Head, ICAR-KVK, Koppal participated in the programme and addressed the farmers and explained the activities of KVK's, information about Bee keeping, Vericompost preparation, Apiculture, benefits of Integrated farming system, usage of Drone in agriculture etc., to the farmers. In this programme, Honourable Member of Parliment of Koppal, Sri Sanganna Karadi, Ex MLA of Kanakagiri Constituency : Sri Basavaraj Dhadesugur, President and members of Gram Panchayath, Hirekheda Village, Bank Managers, staff of post office, Staff of Anganavadi, Asha workers and farmers/farm women were participated in the programme.

ICAR-KVK, Koppal Scientist participated in Vikasith Bharath Sankalpa Yatra Programme on 07.01.2024 at Mylapura and Challur Village. Dr. RaghavendraYaligar, Senior Scientist and Head, ICAR-KVK, Koppal participated in the programme and addressed the farmers and explained the activities of KVK's and information about the recent technologies released by the SAU's. In this programme, Honourable Member of Parliment of Koppal, Sri Sanganna Karadi, Ex MLA of Kanakagiri Constituency : Sri Basavaraj Dhadesugur, President and members of Gram Panchayath, Bank Managers, staff of post office, Staff of Anganavadi, Asha workers and farmers / farm women were participated in the programme.

ICAR-KVK, Koppal Scientist participated in Vikasith Bharath Sankalpa Yatra Programme on08.01.2024at Bevinahal Village. Dr. Jyothi R, Scientist (Horticulture),explained the activities of KVK's and had given the information about the horticulture crops suitable for Koppal District. President and members of Gram Panchayath, Bank Managers, staff of post office, Staff of Anganavadi, Asha workers and farmers/farm women were participated in the programme.

ICAR-KVK, Koppal Scientist participated in Vikasith Bharath Sankalpa Yatra Programme on 12.01.2024 at Gangavathi. Dr. RaghavendraYaligar, Senior Scientist and Head, ICAR-KVK, Koppal

participated in the programme and addressed the farmers and explained the activities of KVK's and information about the recent technologies released by the SAU's. In this programme, Honourable Member of Parliment of Koppal, Sri Sanganna Karadi, Ex MLA of Gangavathi Constituency : Sri Paranna Munavalli, President and members of CMC, Gangavathi, Bank Managers, staff of post office, Staff of Anganavadi, Asha workers and farmers / farm women were participated in the programme.





Skill Training for Rural Youth on Composting and Liquid Fertilizer Preparation

A skill training on "Use and preparation of organic manures and liquid fertilizers for better soil health" to the rural youth of Mandya District was organised by ICAR-Krishi Vigyan Kendra, V.C. Farm, Mandya from 8th-13thJanuary, 2024 which was sponsored by MANAGE, Hyderabad. The scientists from Krishi Vigyan Kendra and College of Agriculture, V.C. Farm, Mandya and the officers from the Department of Agriculture served as resource person for upgrading the knowledge on composting methods and liquid fertilizer preparation among the youth. A detailed insight on the importance on use of organic manures in agriculture for better soil health, different methods of composting including the agro-industry bi-products, Management of composting units, preparation and use of liquid fertilizers and maintenance of liquid fertilizer unit for sustainability and to become an entrepreneur, the facilities available at the department were provided. In addition as a hands on experience composting methods were demonstrated at Krishi Vigyan Kendra and visit to farmers field of Mr. Shivaramu, Mallaiyanadoddi village and Mr. Suresh, Karekura village, where in the trainees interacted with the farmers and got to know the practical significance of unit management, the economics involved and how does the marketing can be channelized. The trainees were inspired by the farmers who have been practicing the composting as an enterprise.



KVK Mysuru

Technology Week on Millet

The technology week on millet crops have been organized on the occasion of Adi Jagadguru Sri Shivratreeshwara Shivyogigalavara Jatra Mahotsava from 18 to 23 January 2023 in the divine presence of His Holiness Sri Shivarathri Desikendra Mahaswamiji.

Millet live crops has been demonstrated and exhibition cum sale of millet seeds and value added products has been organized. Apart from this, a millet cooking competition was organized. Three prizes each were awarded for sweet and savory millet food separately.

Agricultural seminar has been organized on 21.01.2023, Ms. Shobha Karandlaje, Union Minister of State for Agriculture and Farmers' Welfare inaugurated the event. The Director, ICAR-ATARI, Bengaluru was presided over the seminar. Millet growing farmers, experts, traders and organizations were participated in the seminar.



Millet Mela at Mysuru

Millet Mela have been organized at Nanjanabahadur Choultry at Mysuru, ICAR JSS Krishi Vigyan Kendra, Suttur collaboration with Sahaja Seeds and Belavala Foundation, Mysuru during 26-27 Augsut 2023. This Millet Mela was inaugurated by His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, Suttur Math. During the mela millet cooking competitionand drawing competition were conducted. More than 150 millet stalls were exhibited during the mela. Millet seeds, valued added millet products were exhibited. More than 30,000 farmers, farmwomen and urban folks were witnessed the programme.



Millet Cooking Competition

ICAR JSS KVK Mysuru have organized millet cooking competition at Muttathathi village of T. Narasipura Taluk on 4th October 2023 in collaboration with Pratham Poshan NGO of T. Narasipura. 3 millet cooking competition has been conducted at 3 villages. The selected farmwomen were selected to final round. More than 30 farmwomen were participated in the competition and exhibited more than 80 value added millet food products. Smt. H.V. Divya, Senior Scientist and Head (I/c) at district level and Sri. J.G. Rajanna, Programme Assistant (Soil Science) at village level were participated the programme.



Millet Round Table Meeting

The Round Table meeting on millets were conducted at Quorum Hotel, Mysore on 20th December 2023 with NGOs, Line departments, Agriculture universities, Research Institutes and policy makers. In the meeting, participants were discussed about the upliftment of millet farmers and daily use of millets thought the year. The key points discussed during the meeting were millets to be include in mid-day meal, state and central government provided ration, mass usage in hostels, usage in conference and workshops etc., The draft copy of the same to be finalized and submitted to the Govt. of Karnataka.



Participation Millet Mela at Bengaluru

The Govt. of Karnataka has organized 3 day millet fair at Palace Grounds, Bengaluru During the mela millets and organic products will be exhibited on the theme' Karnataka: Cultivating Diversity, Harvesting Prosperity'. 300 millet stalls were exhibited in the mela and more than 1 lakh urban folks witnessed the mela. Sri. Gangappa HIpparagi, Farm Manager were participated in the mela.



VBSY Ratha at ICAR JSS KVK Suttur

On 1st January VBSY ratha came to ICAR JSS KVK, suttur and nearby villages. At KVK more than 60 farm and farm women's participated in the programme. Bankers explained about different insurance facilities viz., Atal Pension Yojana, Ujwal yojana, Raita Vidyanidhi etc., to the farm women. Smt. H.V. Divya Senior scientist and Head(I/c) explained about the different government schemes such as crop insurance, Suraksha Bhima yojana, Jeevan Jyothi Yojana, PMFME, Mudra yojana etc., to the participants Calendars were distributed during the programme. KVK staff members and other staff were participated in the pgoramme. Every day KVK technical staff members were participated in the VBSY Programme and gave the information on KVK and various schemes available in the Union government.



Workshop on Safe and Judicious use of Glyphosate herbicide

A three-day training program for pest control operators on pest, disease and weed management in agricultural and horticultural crops and safe judicious use of glyphosate herbicide was organized at ICAR JSS Krishi Vigan Kendra, in collaboration with Insecticides India Limited.

In this program, Dr. Y. P. Prasad, Subject Matter Specialist (Plant Protection) has explained to the introduction of glyphosate herbicide, its use and the damage caused to the environment. According to the Central Pesticides Board and Registration Committee, this herbicide called glyphosate is prescribed to be used only in barren lands and tea plantations.Sri. Shamraj, Subject Matter Specialist (Agronomy) informed to the participants about the use of herbicides in agriculture and horticulture crops at the right time. Smt. H.V. Divya, SSH (I/c) explained about harmful effect of herbicide on human health.



Field day on Yard Long bean crop

A field day was organized at Hulyalu village of Hunsur taluk of Yard long bean variety Arka Mangala in Yard long bean crop. Farmers felt very happy with

the variety Arka Mangala with a qualities of good length without fiber and thicker than other varieties. They also informed about the good yield and high demand in the market. More than 50 farmers and farm women were participated in the programme.



Field day on Dolichos crop

A field day was organized at Hulyalu of Hunsur taluk of Dolichos crop on 05th January 2024. Integrated Management of IPDM methodologies have been taught to farmers during the FLD programme, resulting farmers have good yield and shows their happiness about the IPDM methodologies. The crop gets less pests and disease resulting good price for their Dolichos nuts.



Nutri garden training

On 12th January Nutri garden training conducted to women's. On this occasion Smt.H.V. Divya Senior scientist and Head(I/c) gave a lecture on nutri garden plan, maintenance and its importance. Sri. J.G. Rajanna Programme Assistant(Soil science) explained about the nutrient management , Sri. Gangappa Hipparagi Farm Manager explained about the importance of nutri garden. In this programme more than 70 farm women participated and took the benefit. Nutri garden kits, fruit plants, medicinal plants were distributed in the programme.



SCSP Sub Plan Training on Cow Pea Seed Production

ICAR JSS KVK, Sutturu in collaboration with BorukaCharities, NGO conducted Training on Cow pea seed production to SC farmers at Vadayandalli, T. Narasipura taluk on 13th January 2024. During the programme, Smt.H.V. Divya Senior scientist and Head(I/c) gave a lecture on cow pea seed production, its buy back details. She also explained about the agri clinic facilities available at KVK, Suttur Krishimela and about different demo units of KVK. Sri. J.G. Rajanna Programme Assistant (Soil science) explained about the soil sample collection. After the Programme cow pea seeds were distributed to SC farmers and soil samples were collected. Smt. Mangala, Programme Co-ordinator and her staff, Boruka Charites and nearly 50 farmers and farm women participated in the programme.



Animal Health Camp

ICAR JSS KVK, Suttur in association with Dept. of AHVS, Nanjangud and INTAS Pharmaceuticals Pvt Ltd., conducted Livestock Infertility Camp at Jeemaralli, Nanjangud taluk. More than 60 cases were treated at the camp and majority of the problems diagnosed were Anoestrus, Repeat Breeding and Tick infestations. Dr. Mallikarjun, Assistant Director, AHVS Nanjangud and Dr. Raghavendra and Chief Veterinary Officer, Veterinary Hospital, Kalkunda and Dr. Rakshith Raj, SMS (Animal Science), JSS KVK, Suttur and other Department staffs were present during the camp.

Theme : Millets programme 2023-24

KVK, Mysuru have organized and participated in the Millet programme during the year



KVK Raichur

Unveiling the Potential of Cotton Shredder Technology - A Farm Tech Demonstration

The use of a cotton shredder in the cotton field is a significant technological advancement that can bring various benefits to farmers. The technology demonstration conducted by ICAR-KVK, Raichur aimed to educate and showcase the advantages of using cotton shredder to local farmers. In this regard, the demonstration was conducted at Krishnappa S/o Hanumantha field at Mandalgera village of Raichurtalukand district and VishwanathaGowda S/o Veeranagouda field at Jakkaladinni village of Sirwartaluk,Raichur district on 11/01/2024.

Er. Veena, Dr. Sangeeta, Dr. UmeshBabu B S, along with Er.Mareppa engaged in an interactive session with the farmers. Farmers had the opportunity to ask questions and seek clarifications regarding the operation and benefits of the cotton shredder. The experiences and feedback of about 15 to 20 farmers from Mandalgera village and Jakkaladinni village were collected.Farmers shared their thoughts on the new technology, providing valuable insights into its practicality and effectiveness in their farming practices.

The event served as a platform for knowledge transfer, with scientists and experts sharing their expertise with the local farming community. Farmers were encouraged to adopt the technology for improved efficiency and sustainability in cotton farming. The technology demonstration conducted by ICAR-KVK, Raichur played a crucial role in bridging the gap between scientific advancements and on-field application. It is expected that the information and experiences shared during the event will contribute to the widespread adoption of the cotton shredder technology among local farmers, ultimately enhancing their agricultural practices.





Integrated Crop Management in Rabi Crops

On Campus training programme on "Integrated Crop Management in Rabi Crops" was organised at ICAR-KrishiVigyan Kendra, Raichur on 05.01.2024. Dr. S.B.Goudappa, Director of Extension, UAS, Raichur, inaugurated the programme and informed about the importance of bio-fertilizers. Judicious use of chemical fertilizers, soil management and also urged the farmers to give more importance for adoption of new technologies developed by the UAS, Raichur.Dr. A.R. Kurubar, Associate Director of Extension, UAS, Raichur, Smt. Devika R., Joint Director of Agriculture, Department of Agriculture, Raichurexplained about the rules and regulations regarding input procurement and sale and fertilizer control act.Dr. A. R.Kurbar, ADE, UAS, Raichur and representatives from MCF, ADA Raichur were chief guests of the inaugural function. Dr.Hanumanthappasrihari welcomed all the dignitaries and alsorepresentatives from Mangaluru Chemical Fertilizers and inaugurated the programme. Dignitaries, urged the farmers to give more importance for adoption of new technologies along with integrated approach for higher yield and balancing the ecosystem.

Dr. Hanumanthappa Shrihari, Senior Scientist & Head, Krishi Vigyan Kendra, Raichur delivered lecture on ICM in Rabi Crops, Dr. Shreevani G.N., Scientist (Entomology) provided information on Pest Management in Rabi crops. Dr. Hemalatha K.J., Scientist (Horticulture) orated about the importance of horticultural crops during Rabi season, Dr.Ajith Kumar, Scientist (Plant Pathology), Main Agricultural Research, Station, Raichur presented information on management of diseases in Rabicrops. About 65 farmers participated and got enlightened about the new technologies from KVK, Raichur.







KVK Ramanagara

Celebration of Out Millets Our Pride

Millets have been an integral part of our diet for centuries. In addition to a plethora of health benefits, millets are also good for the environment with low water & input requirement. With the aim to creating awareness, increase production & consumption of millets ICAR-Krishi Vigyan Kendra Ramanagara celebrated International Year of Millets-2023 by organising various interactive activities around Millets like :

1) More than 25 training programmes covering improved varieties, improved cultivation practices, integrated pest and disease management, value addition, processing, branding and marketingand its health benefits covering more than 2000 farmers.

2) To popularize millets nutritional importance and health benefits and to increase its consumption KVK has organised 3 millets recipe competition in 3 taluks (Magadi, Kanakapura and Channapatna) of Ramanagara district where 140 farm women actively participated and showcased healthy and

mouth-watering millet receipes like ragi based mudde, roti, kodubale, cake, shavige, malt, bonda, chakkuli, Navane based palav, payasa, laddu, Barfi, Same Akki based Idli, curdrice, Baragu based Palav, Idli, curdrice, Sajje Roti, millet Malt, millet Dosa etc. The top five participants in all the 3 competition who prepared the best recipes were selected and were honoured with certificates and prizes.

3) In the year 2023-24 KVK has taken up frontline demonstration on improved medium duration finger millet variety ML322 and KMR-316 for late kharif, little millet (BL-6) for production, processing and value addition, and demonstration of biofortified Finger millet variety CMFV1 and fieldday has been organised.

4) To supply quality seeds KVK has taken up seed production of Ragi variety MR-6 in 3 acres and alsoto create awareness in KVK demo block barnyard millet, foxtail millet, little millet, brown top millets and biofortified variety Indravathi were grown and more than 300 farmers visited and got awareness.

5) Two KVK contact farmers has started millet processing under PMFME schemes and preparing products like Millet Malt mix, RagiPapad, White ragimixture,Ragiladoo and ragichakuli etc.

6) In collaboration with Department of Agriculture, FPO's, NGO's, Dhan foundation, SKDRDP, Krishi Vigyan Kendra has joined hands to organise and participate in International trade fair, Millet awareness programme, exhibition, melas and honoured millet growing farmers etc.







Training Programme on "Oyster Mushroom Cultivation"

ICAR - KVK Ramanagara organised one day training programme on Oyster Mushroom cultivation at adopted village Hakkinalu, Magadi (t). Dr. Sowjanya, S., Scientist highlighted the nutritional value and medicinal properties of mushrooms and demonstrated the mushroom cultivation technology like selection of an acceptable mushroom species, secreting a good quality of fruiting culture, spawn, preparation of selective substrate/compost, care of mycelial (spawn) running, management of fruiting/mushroom development, harvesting mushrooms, post-harvest handling and recopies of mushroom, packing and marketing information. Morethan 25 farmers and farmwomen participated and were benefited.





KVK Shivamogga

Primary Millets Processing

Dr. Sudharani, N., Scientist (Home Science), ICAR-KVK Shivamogga established "Primary Millets processing center" at Navile campus, Shivamogga. Honorable Vice Chancellor Dr. R.C. Jagadeesha inaugurated the unit for commercial usage. Dr. K.T. Gurumurthy (Director of Extension), Dr. Ganesh Naik (Dean Agri.), Dr. Pradeep (Associate Director of Research), Dr. Hanumanthaswamy, B.C. (Associate Director of Extension) were graced the occasion. Senior Scientist & Head, Dr. G.K. Girijesh explained about the commercial products prepared from the unit such as millets cleaning, milling flour, Wheat flour, Rice flourunder the brand name of "Kissan Samridhi". Further Home Scientist also displayed the value added products prepared at KVK for sale i.e. Millets malt, value added Wheat flour, finger millet flour enriched with methi and soya and also made provision for milling for general public as well. Principle Scientist of KVK Shivamogga, Dr. Rayudu also visited the unit and appreciated the entire staff for their efforts.

Scientist (Home Science) conducted method demonstration of Millets enriched bakery value added products such as Finger millet cookies, Foxtail millet cookies, finger millet chocolates to KrishiSakhis on 04.01.24 at KVK, Shivamogga.

Scientist (Home Science) organized "Millets recipe cooking competition cum Millets campaign" bycreating awareness on the medicinal importance of millets and also processing and value addition aspects of millets at Kumsi Village of Shivamogga Taluk. Where total of 70 farm women were participated and more than 30 diversified and unique millets recipes were prepared and exhibited for the competition. Dr. Hanumanthaswamy, B.C. (Associate Director of Extension) Senior Scientist & Head, Dr. G.K. Girijesh have inaugurated the programme. Whereas based on the sensory evaluation of judges selected best recipes and rewarded the farm women with the certificates as a token of appreciation.

ICAR-KVK Shivamogga encouraged and made provision for the sale of Unique millets recipes developed by women entrepreneur developed by KVK, Shivamogga Mrs. Leelavathi such as millets roti, millets milk, millets laddu, millets papad, millets mixture successful at the stall in International Millets fair held at Bangalore between 05.01.24 to 07.01.24. Where KVK Soil Scientist Dr. Anjali also participated and exhibited the University stall.



KVK Tumkur - I

Training Programme on Millet Value Added Products

ICAR-KVK-Tiptur, Tumkur-1 conducted off campus training programme on millet value added products at paruvagondanahalli village of Tiptur talk, Tumkur district. Scientist (Home Science) briefed about the importance of millets in our daily diet, nutritional significance and its value added products. Millets provide protein, antioxidants, minerals and fiber, they are gluten free with low glycemic index making them a great food option for those with celiac disease or gluten intolerance and demonstrated millet value added products (millets chakkuli, laddu and mixture) for self help group members and also explained about importance FSSAI registration, packaging, branding and nutrient analysis to the participants. About 25 members got benefitted from this programme.





Off Campus Training Programme on Scientific Cultivation, Inter-cropping, Plant Protection and Value Addition in Coconut

ICAR-KVK-Tiptur, Tumkur-1 conducted of campus training programme on Scientific cultivation, inter-cropping, plant protection and value addition in coconut at Chikkapura, Turuvekere taluk on 13-01-2024. Mr. Darshan, personal assistant to Ms. Shobha Karandlaje, Minister of state for agriculture and farmers welfare chaired the occasion. Dr. V. Govinda Gowda Senior Scientist and Head briefed about different methods of oil extraction and health benefits of virgin coconut oil and also explained about different schemes and benefits from Coconut Development Board. Dr. Keerthishankar K., Scientist (Horticulture) highlighted the scientific cultivation practices, inter-cropping and plant protection in coconut. Mr. Kirankumar progressive farmers briefed about the importance of coconut value addition and market linkage. More than 55 farmers got benefitted from this programme.



Viksit Bharat Sankalp Yatra Programme

ICAR-KVK-Tiptur, Tumkur-1, agronomy scientist Dr. Tasmiya Kowser participated in Viksit Bharat Sankalp Yatra Programme on 1st, 2nd, 3rdjanuary 2024 at Muganakote, Alilughatta and Hosakere gram panchayati of Gubbitaluk, Tumkur district. Scientist highlighted about the various central government schemes, KVK activities and use of nano fertilizers in agriculture. On the occasion of International year of millets scientist explained about the package of practice, different varieties of millets, importance of pakaging, branding, value addition, market linkage and nutritional benefits of millets. In this programme lead bank manager, SBI bank manager, PDO of respective GP were participated and about 300 farmers were participated in the programme.



KVK Tumkur - II

Distribution of Sheep to SC Farmers and Farm Women

The program on the 'Distribution of sheep to SC farmers and farm women' was organized at Suddegunte village of Madhugiri and Kurubanahalli gate of Pavagada, Tumakuru district, on 5th Jan 2024. This program was organized under the SCSP project of ICAR-Indian Institute of Horticultural Research and ICAR-Krishi Vigyan Kendra, Hirehalli, Tumakuru. About 51 beneficiaries from Madhugiri taluk and 107 beneficiaries from Pavagada taluk were provided with two male (Rams) sheep each, under the project.

Dr. Sanjay Kumar Singh, Director, ICAR-IIHR, inaugurated and presided over the function. Dr. Nagesh Kumar, Deputy Director, Sheep Board, provided valuable guidance on rearing the animals. Dr. S.K. Sharma, Deputy Director, NHB, and Dr. R. Senthil Kumar, Nodal Officer, SCSP, also graced the occasion as chief guests. Dr. Loganandhan, Head, KVK, briefed about the genesis of this program.

Dr. Senthil Kumar requested the farmers to take advantage of the technologies of ICAR-IIHR by participating in the National Horticulture Fair 2024. The Director, ICAR-IIHR, in his presidential speech, urged the beneficiaries to consider this as seed money, and the herd can be improved gradually to ensure the sustainable livelihood of the SC farmers and farm women.

Earlier in the program, the animals were provided with vaccination and deworming medicines. The staff of KVK and ICAR-IIHR, along with Mr. Thimmanna, the local organizer, coordinated the event successfully.





KVK Udupi

Millet Walkathon and Exhibition

District Administration and ZillaPanchayath, Udupi District, in collaboration with ICAR-KrishiVigyana Kendra Udupi organized a one-day Millet Walkathon and Exhibition on 31st December 2023 at Malpe beach, Udupi Dist. The event was arranged in view of the conclusion of International Year of Millets - 2023. The walkathon was inaugurated by Deputy Commissioner of Udupi District, Dr. K. VidyaKumari. Mr. Prasanna, Chief Executive Officer (CEO) of ZillaPanchayath; Dr. Dhananjaya B., Senior Scientist and Head, ICAR-KrishiVigyana Kendra, Udupi; Mrs. Seetha; Mr. ChandrashekarNaik, Deputy Director of Agriculture; Mrs. Anjanadevi, Deputy Director of Fisheries graced the occasion as chief guests. A procession and walkathon was arranged to spread awareness about importance of millets in diet and millet products. To mark the occasion several millet-based food recipe and products were exhibited and sold. The participants were served with millet-based refreshments.







Farmers' Field School

Farmers' Field School (FFS) on Integrated Pest Management (IPM) in Ridge Gourd was initiated on 5th January, 2024 at Kalaibail village of Udyavara, Udupi Dist. The program was inaugurated by UdyavaraGramaPanchayath President Mrs. Malathi Sandeep.

Mrs. Soumya, Project Manager, National Rural Livelihood Mission, Zilla Panthayath, Udupi, Mr. Prathap, social worker, Udyavara and Mr. Vijayakumar, Progressive farmer, Udyavara graced the occasion as chief guests. Mrs. Revathi, Udyavara Grama Panthayath member welcomed the gathering. Dr. Dhananjaya B., Senior Scientist and Head, Krishi Vigyana Kendra, Brahmavara was resource person. Initially a ballot box test was conducted to know the knowledge level of FFS participants. Then importance of soil and soil health was discussed with reference to ridge gourd crop. FFS was initiated with land preparation and sowing of ridge gourd seeds. A total of 25 farmers participated in this FFS.



Millet Pizza Man - Shri Shrinivas Naganoor

"Pizza" mouth watering Italian dish which has found universal love for people across all age groups. The pizza base is made up of wheat flour, with an array of vegetables and cheese topped over a tomato-based sauce. The high calorie and low fibre content of pizza makes it unsuitable for consumption by people suffering from diabetes and cardio vascular disease, moreover some people are allergic to yeast. Hence, an idea was made by a innovative young farmer from Ramnagar, Joida tq to add millets into pizza base to make it healthier. Joida is one of the most backward taluk of Uttara Kannda district, but has got full potential for tourism due to scenic spots. Incorporation of millet flour in the pizza base will definitely enhance its nutritional quality and makes it suitable for all types of people. Multi grain healthy pizza base is sold through Supa Farmers Association Ramnagar. He won First prize during district level millet recipe competition held at ICAR-KVK Uttara Kananda, Sirsi on 13.12.2023 and showcased the product during State level Millet Culinary Competition held at Bengaluru.

The composition of multi grain healthy pizza base contains Finger millet (Ragi) 45%, Sorghum 40% and Wheat flour 15%

Source : Dr. Roopa S. Patil,
Senior Scientist and Head







Visit of Director ICAR NBSS and LUP Bengaluru

On 9th and 10th January, 2024, Dr. V. Ramamurthy, Director ICAR- National Bureau of Soil Survey and Land Use Planning (NBSS & LUP), Regional Centre, Bengaluru visited ICAR- KVK Uttara Kannda Sirsi for preliminary meeting with KVK staff, farmers of Banavasi, Sirsi related to implementation of Crop Diversification project. Initial discussions were made reg. selection of villages and implantation of pilot project on crop diversification with KVK Staff. Training was arranged along with RSK Banavasi Agriculture staff and farmers on crop diversification and collected baseline information about the village, crops grown, feasibility of introduction of new crops in paddy fallows etc. Dr. Ramamurthy gave preamble for the meeting and highlighted on use of geospatial technology and initial support for this pilot project to the farmers as critical input. Further, successful programmes may be extended in other areas by line departments with the technical support of NBSS and KVK. Later visits were made to problematic fields of Watermelon cultivated after paddy harvest and Arecanut and suitable suggestions were made.

Source ; Dr. Roopa S. Patil, Senior Scientist and Head







KVK Vijayapura - I

Field Day on Sorghun

As a part of FLD and OFT program, A Sorghum field day was organized at Kaggod village of Vijayapur district on 10th January, 2024. During this program, Dr. S. S. Angadi, Director of Extension was participated and highlighted the importance of Sorghum crop and its importance especially variety CSV 29R in the present day. He also briefed the secondary value addition in sorghum crop. In the program, Dr. R. B. Belli, Associate Directorate of Extension and Dr. A. S. Sajjan, Associate Director of research were also participated. The program was started with introductory remarks of Dr. S. M. Vastrad, Senior Scientist and Head, KVK Vijayapur. The other scientist like Dr. Prakash H. T and Dr. S. S. Kharbantnal were also participated in the program and highlighted the plant protection measures in sorghum crop.





Training to Extension Officers

KVK Vijaypur-1 in collaboration with ATMA Vijayapur has organized one day training program on "Secondary Agriculture" to Agricultural Department officials and Extension workers on 10th January, 2024. The program was inaugurated by Dr. S. S. Angadi, Director of Extension was participated and highlighted the importance of secondary agriculture in doubling the farmers income. He also briefed the secondary value addition in Honey, mushroom, dairy products, etc. Dr. R. B. Belli, Associate Directorate of Extension, Dr. A. S. Sajjan, Associate Director of research, Dr. Balaraj Biradar, Deputy Director of Agriculture and Dr. M. B. Pattanashetty, Deputy Director of Project (ATMA) were also participated. The programme was started with introductory remarks of Dr. S. M. Vastrad, Senior Scientist and Head, KVK Vijayapur. The other scientist like Dr. Prakash H.T, Dr. Kiran Sagar, Dr. Shweta Mannikeri, Mr. S.C. Rathod and Dr. Mallappa. B were also participated in the program and nearly 38 extension officer participated in the programme.







KVK Vijayapura - II

Viksit Bharat Sankalp Yatra

Viksit Bharat Sankalp Yatra is gaining momentum across the nation to raise awareness through outreach activities and achieve saturation of various welfare schemes launched by the Governmentof India. As part of the Yatra, ICAR-KVK, Indi (Vijayapura-II) participated in VBSY since 26.11.2023 and continuing till date. Scientist Dr.Prakasha, G (Agronomist) participated as resource person at Handiganoor village of Devarahipparagi taluka and Byakode village of Sindagi talook on 08.01.2024 and explained the PM Kisan samman nidhi, importance of soil sampling and testing in improving the soil health, use of bioagents in organic farming, Demo on Drone technology in the farmers field and various on-spot services like PM Ujjwala Yojana enrolment, Various banking information, PM Suraksha Bhima Yojan PM Jeevanjyoti, distribution of Ayushman cards among others are also being provided. Scientist has delivered the KVK mandatory activity like on farm testing, Front line demonstration, training to the rural youths and other activities to the farmers at Chattraki and Honnalli villages of Sindagi talook on 10.01.2024. During the Yatra, a significant number of citizens have engaged in various government schemes, showcasing substantial participation. Throughout this Yatra, individuals are being encouraged to exercise their rightful privileges.

Viksit bharat sankalpyatra creating awareness across vijayapura district of Karnataka

Contributors : Dr. Prakasha G., Scientist (Agronomy)





KVK Yadagir

Millets Walkathon

Millets Walkathon was conducted on 02-01-2024 at Shahapur. The program was inaugurated by Minister Sri. Sharanabassappa Darshanapur, Small Scale Industries and Public Enterprises, Smt. B. Susheela, Deputy Commissioner, Smt. Manjula, B. Joint Director of Agriculture, Dr. P. H. Kuchnur, Dean, AC B'Gudi, Dr. Jaiprakash Narayan SS&H KVK, Yadgir, ADA Sunil Kumar and Bheemaraya at CPS School ground. Minister Sri. Sharanabassappa Darshanapur explained the nutritional importance and health benefits of millets. They started millet road show from CPS School ground and covered main areas and circles of Shahapur town.





Siridhanya Savayava Habba (Millets and Organic Festival)

District level Siridhanya Savayava Habba was conducted on 03-01-2024 at College of Agriculture Bhimarayana Gudi. The program was inaugurated by MLA Sri. Channareddy Patil Tunnur, Smt. B. Susheela, Deputy Commissioner, Smt. Garima Panwar, CEO, Smt. Manjula, B. Joint Director of Agriculture, Dr. P. H. Kuchnur, Dean, AC B'Gudi, Dr. Jaiprakash Narayan SS&H KVK, Yadgir, Dr. Palaiah, AEO, Mr. Mallikarjun D., Member of Administrative committee of UASR. MLA Sri. Channareddy Patil Tunnur encouraged the farmers to grow millets.





Organizing farming produce and Siridhanya Exhibition

Halumatha Samskruti Vaibhava was conducted on 12-01-2024 to 14-01-2024 at Tintani. The program was inaugurated by Honourable Chief Minister Sri Siddaramaih, Sri Prahalad Joshi, MP Coal and mines, Sri B.Y.Vijayendra State President of BJP and local ministers. ICAR KVK Yadgir exhibited millets varieties released by UAS Raichur, millets based value added products produced from Department of Food Processing and Engineering UAS Raichur.







KERALA KVKs

KVK Alappuzha

Participation in Millet and Fish festival

ICAR-KVK-Alappuzha participated in the Millet and Fish festival organized by ICAR-KVK-Ernakulam from 28th to 30th December, 23 at ICAR-CMFRI, Kochi. Smt. Jissy George, SMS (HS) served as a member of the jury for the recipe completion held on 28.12.23 in which ten short listed participants actively participated. She made a briefing on the different recipes prepared by the participants and criteria for finalizing the healthy and delicious recipe for the benefit of the participants and public. Dr. P. Muralidharan, PS and Head was the moderator for the panel discussion on "Navigating beyond the international year of Millets: future strategies" on 30.12.23 in which seven panelists comprising of a researcher, farmer, vendor, baker, hotelier, entrepreneur, and home maker each presented their views on the strategies to carry forward the production, marketing and consumption of millets in the state. Major suggestions presented in the discussion were documented for future action.

P. Muralidharan, Head

SHM Sponsored Capacity Building Programme

Two days capacity building programme on "Value addition of banana and plantains" sponsored by State Horticulture Mission for master farmers and entrepreneurs of Alappuzha district was conducted on 11th and 12th January, 23. The participants were exposed to the potential of value addition of banana and plantains along with hands-on-training on preparation of various products. Twenty five participants nominated by the Deputy Director (SHM) attended the programme with great zeal and enthusiasm.

Jissy George, SMS



KVK Ernakulam

Ernakulam KVK's Food Festival Commemorates International Year of Millets with Millet and Fish Fusion

In celebration of the International Year of Millets, Ernakulam KVK hosted a vibrant Food Festival featuring a delectable fusion of Millet and Fish dishes from December 28 to 30 at ICAR-CMFRI, Kochi. The festival aimed to promote the inclusion of nutritionally rich millets and locally popular fish dishes in the daily diets of the local community, offering a harmonious blend of flavors and a healthful combination of protein and carbohydrates. Open from 11:00 am to 8:00 pm, the festival provided a unique opportunity for attendees to savor authentic millet-based meals, delightful millet-fish combinations, and a variety of snacks during lunch, dinner, and snacking hours.

Operated by distinguished entities such as The Society for Assistance to Fisherwomen, The Hotel and Restaurants Association of Kerala, The Kerala Bakery Association, M/s Navya Bakery, Kochi, M/s Anugraha Caterers, Varappuzha, Mahalakshmi Swayam Sahaya Sangam, Belagavi, Karnataka (promoted by KVK-Belagavi), and Satyanarayana food products, Mahalakshmi SHG, Hulkotti, Gadag, Karnataka (promoted by KVK-Gadag), the food stalls showcased a diverse range of products.

The menu featured Millet-fish Cutlet, Sagara Sadhya, Millet-Fish Biryani, Millet Laddu, Ragi Ambili, Ragi soup, Sorghum Roti, Millet Manchurian, Foxtail Millet Holige, Onion Millet Pakoda, Bajra Roti, Joladh Vadai, Jowar Kadubu, Bisibelle Bath, Talipattu, Ragi Halwa, Sorghum Paddu, Navane Hollige, Millet Mirchi, Millet, and more. Beyond celebrating culinary diversity, the festival aimed to encourage the integration of millets into daily meals for a healthier lifestyle.











Ernakulam KVK Hosts Cookery Show to Celebrate International Year of Millets

Ernakulam KVK organized a cookery show on December 29, 2023, at ICAR-CMFRI, Kochi, dedicated to commemorating the International Year of Millets. The show aimed to showcase the preparation of traditional millet dishes from Karnataka for the local population, where millet dishes are relatively new.

Led by Smt. Sreedevi B. Angadi, Head, and Home Science expert at KVK-Belagavi, along with millet farmers Smt. Bhagyashri S Akki and Smt. Shilpa M. Marbad, the showcase included the preparation of Jowar roti, Joladh vadai, Jowar kadubu, Bisibelle bath, Talipattu, and ragi halwa. Additionally, Smt. Sudha Mankani, Head, and Home Science expert at KVK-Gadag, accompanied by millet farmers Smt. Shwetha Benni, demonstrated the preparation of Sorghum paddu (appam), bajra roti, millet manchuri, ragi ambili, navane hollige, millet mirchi, and cutlet.

Participants had the opportunity to taste these mouthwatering millet dishes. The cookery show was broadcasted live on LED walls installed at the CMFRI campus. Furthermore, the show was live-streamed on the YouTube channel of ICAR-CMFRI, ensuring a wider audience could benefit from the millet cooking demonstrations.







Ernakulam KVK Organized Millet-Fish Fusion Recipe Contest in Commemoration of the International Year of Millets

The Ernakulam Krishi Vigyan Kendra (KVK) organized a Recipe Contest on December 28, 2023, at ICAR-Central Marine Fisheries Research Institute (ICAR-CMFRI), Kochi, in commemoration of the International Year of Millets. The contest aimed to inspire culinary innovation by challenging participants to create unique and flavorful dishes that harmoniously blend fish and millets. The theme centered around crafting a Millet-Fish combo meal catered to the tastes of Kerala's youth.

This contest celebrated the nutritional fusion of millets and fish, encouraging contestants to explore inventive ways of incorporating these ingredients into delightful recipes. Ten shortlisted candidates showcased their culinary expertise, with Smt. Raseela Khader winning the first prize for her creation of Poori made from Ragi and Pomphret roast. Smt. Anusmitha R secured the second prize with her Kodomillet-vegetable upma and Prawn piralan, while Smt. Prescilla Mascarenhas claimed the third prize for her Chama muthukal and Kaduku Avoli curry.

The winners were awarded cash prizes, with ₹ 7,500/- for the first, ₹ 5,000/- for the second, and ₹ 2,500/- for the third position. Additionally, all participants received a consolation prize of ₹ 1,000/- each. Winner certificates, participation certificates, and mementos were presented during the prize distribution ceremony, conducted by Dr. A. Gopalakrishnan, Director, ICAR-CMFRI, Kochi.

The Recipe Contest was broadcasted live on LED walls at the CMFRI campus and simultaneously live-streamed on the YouTube channel of ICAR-CMFRI, ensuring a broader audience could witness the creative fusion of millets and fish in Kerala's culinary landscape.





Enlightening Nutrition and Health Talks Conducted by Ernakulam KVK in Commemoration of the International Year of Millets

The Ernakulam KVK conducted Nutrition and Health talks on 29th December 2023 at ICAR-CMFRI, Kochi aimed to enlighten the public about the nutritional advantages of Millets and fish, providing insights into their health benefits to combat lifestyle diseases. The talks were organized to commemorate International year of millets. Dr. Nivedita, Assistant Professor and Head, Department of Clinical Nutrition, Amrita Institute of Medical Sciences, Kochi, delivered a talk on Mighty Millets: A Nutrient-Packaged Powerhouse for Health and Disease. Dr. Susheela Mathew, Principal Scientist, ICAR-Central Institute of Fisheries Technology, Kochi delivered a talk on Nutrition Enhancement and Health Benefits in the Culinary Amalgamation of Fish and Millets. The Nutrition and health talks were live telecasted on LED walls installed in ICAR-CMFRI campus. In addition, the talks were -streamed on the YouTube channel of ICAR-CMFRI.



Ernakulam KVK organized Panel discussion on Navigating Beyond the International Year of Millets : Future Strategies

The Ernakulam KVK organized a panel discussion on 30th December 2023 on the topic Navigating Beyond the International Year of Millets: Future Strategies. Dr. P. Muralidharan, Principal Scientist & Head, KVK-Alappuzha and Dr. Reshma Gills, Scientist, ICAR-Central Marine Fisheries Research Institute moderated. Dr. Sumiya K. V., Assistant Professor & Head, KVK Palakkad, Shri. S P Venkidajalam, farmer, Santhanpara, Idukki, Shri. Georfin Pettah, State President, Supermarket welfare association of Kerala discussed, Shri. K T Rahim, District President, Kerala Hotel & Restaurants Association, Shri. Chacko Thangachan, General Manager, Navya Bakers, Kochi were the panelists.The main issues/action points for promotion of millets in the consumption chain suggested are:

1. Continued Promotion and Awareness: Emphasize the importance of ongoing efforts to promote millets beyond the International Year, with a focus on raising awareness about their health benefits. Integrate millets into mainstream agricultural and dietary practices through sustained promotional campaigns.
2. Support for Millet Farmers: Provide financial support and incentives to millet farmers to enhance production. Address challenges faced by millet farmers, such as wildlife threats, to ensure sustained cultivation. Ensure a consistent availability of millets in the market by establishing direct channels from farmers/FPOs to entrepreneurs, merchants, food manufacturers, and the processing industry.
3. Taxation Reforms: Advocate for reduced taxation, particularly for supermarkets, restaurants, and bakeries involved in the trade of millets, promoting them as a healthy food option. Address the challenges posed by high GST rates on millet products, ensuring affordability for consumers and reasonable margins for businesses.
4. Quality Assurance and Standardization: Implement quality policies and standards to

ensure a level playing field in the market for millet producers, vendors, and consumers. Combat misrepresentation of millet content in products, ensuring that items labelled as millet actually contain substantial millet content.

5. Collaboration and Networking: Encourage collaboration between farmers, government bodies, and businesses to increase millet production and distribution. Leverage social media and other platforms to address industry-specific challenges, particularly tax-related issues faced by supermarkets, bakeries, restaurants, and manufacturers of millet-based products.

6. Innovation and Education: Promote innovative approaches to enhance millet acceptance in households, such as blending millets with regional spices and incorporating them into traditional and modern dishes. Focus on education and awareness campaigns targeting both farmers and the general public regarding the nutritional value and environmental benefits of millets.

7. Market Integration for Millet-Based Products: Explore strategies to integrate millet-based dishes into restaurant menus and bakery products. Overcome challenges related to the sourcing of quality millets, limited availability, and high costs associated with millet incorporation in the food industry.

8. Government Support: Advocate for government support in terms of subsidies, technology, and policies to facilitate millet farming and its integration into various sectors. Strengthen the collaboration between farmers and the government to boost millet production in the state.





IYM Programme

The Ernakulam KVK's programme Millet & Fish to commemorate the International Year of Millets (IYM) was inaugurated by Dr. C. Tara Satyavathi, Director, Indian Institute of Millets Research, Hyderabad on 28th December 2023. The objective of the programme held during 28, 29 and 30th at ICAR-CMFRI, Kochi was to raise awareness and promote the inclusion of these nutritionally rich grains in the daily diets of the local community. With Kerala's preference for non-vegetarian cuisine, particularly the love for fish, the culinary fusion of fish and millets emerged as an ideal and delectable choice.

The inaugural session was presided over by Dr. A. Gopalakrishnan, Director, ICAR-CMFRI. Dr. L. Narasimha Murthy, Chief Executive, National Fisheries Development Board, was the Guest of Honour, inaugurating the Expo and Buyer-Seller meet. Shri G. Gopakumaran Nair, Chief General Manager, NABARD, Kerala, was also a Guest of Honour, inaugurating the FPO Buyer-Seller meet. Dr. C.S. Shine Kumar, Director, National Institute of Fisheries Post Harvest Technology and Training, Kochi, Dr. M.P. Remesan, Principal Scientist & Head, FT Division, CIFT, Kochi, Shri Ajeesh Balu, DDM, NABARD-Ernakulam & Idukki, offered felicitations. Dr. Shinoj Subramannian, Principal Scientist, KVK Ernakulam, and Organizing Secretary, welcomed the dignitaries, while Dr. Grinson George, Principal Scientist & Head, MBEMD, ICAR-CMFRI, Kochi, and Co-convener, offered the vote of thanks.

The three day programme involved from fostering connections between farmers and markets to live fish vending, an enticing food festival, and a spectrum of engaging activities including cookery

shows, recipe contests, nutrition and health talks, panel discussion, and seminars, this program will provide a distinctive and immersive experience. Attendees will have the opportunity to explore, relish, and purchase authentic products while gaining insights into the health benefits through nutrition talks and seminars.



The Ernakulam KVK's Buyer-Seller meet has successfully forged valuable business connections for farmers and entrepreneurs

Conducted by Ernakulam KVK from December 28 to 30, 2023, at ICAR-CMFRI, Kochi, the Buyer-Seller meet emerged as a pivotal event, fostering meaningful connections among farmers, entrepreneurs, and consumers. The primary objective was to bridge gaps in the agricultural and entrepreneurial ecosystems, focusing on facilitating connections with millet farmers, providing a platform for millet entrepreneurs, and linking startups and Self-Help Groups (SHGs) engaged in fish-based entrepreneurship.

The meet saw robust participation, with 35 sellers, 20 wholesale buyers, and 50 retail buyers, creating a diverse marketplace for fruitful connections. Seller participants utilized the platform to present talks on their establishments and products, fostering direct interaction with potential buyers and facilitating meaningful business deals.

A noteworthy highlight of the event was the retail sale of millets and millet products, thoughtfully packaged for attendees to experience and enjoy millet-based dishes in the comfort of their homes. The showcased products included a variety of offerings, from Millet Grains and Millet batter mix to various value-added millet products such as pasta, pappad, crispy, noodles, vermicelli, cookies, biscuits, muesli, Jack – millet pasta, ready-to-cook millet products, millet fish sausage, Millet health mix, millet flakes, Millet bites, Millet Choco fills, and more.

This Buyer-Seller meet not only facilitated business transactions but also made significant contributions to the promotion of sustainable agricultural practices and entrepreneurial ventures in the millet and fish sectors.





KVK Idukki

International Year of Millets 2023
Rich in Heritage, Full Potential

Millets are the staple crops of the semiarid tropics, as other food crops cannot be cultivated in that terrain due to low rainfall and poor soil fertility. They also have higher nutrient content compared to major cereal crops and ensure food and nutrition security. Further, millets are tolerant to drought and other extreme weather conditions and hence are endemic to such geographies. With growing concerns of life style diseases coupled with 'refined' diet culture, the modern consumers are slowly, but increasingly looking at the nutrient rich millets as a suitable alternative to wheat and rice. With the COVID -19, momentum picked up and both the urban and rural

consumers are choosing millets for improving their nutrition & strengthening their immunity.

In order to encourage production and consumption of millets, Government of India notified millets as Nutri-Cereals in April, 2018, which includes Sorghum (Jowar), Pearl Millet (Bajra), Finger Millet (Ragi/Mandua) & Minor Millets namely; Foxtail Millet (Kangani / Kakun), Proso Millet (Cheena), Kodo Millet (Kodo), Barnyard Millet (Sawa / Sanwa / Jhangora), Little Millet (Kutki) and two Pseudo -millets viz Buckwheat (Kuttu) and Amaranthus (Chaulai). To create domestic and global demand and to provide nutritional food to the people, Government of India had proposed to the United Nations for declaring 2023 as International Year of Millets (IYoM - 2023).The proposal of India was supported by 72 countries and United Nation's General Assembly (UNGA) declared 2023 as International Year of Millets on 5th March, 2021. This led to the Hon'ble Union Finance Minister making a Budget announcement on 1st February 2022 : "2023 has been announced as the International Year of Millets.



Idukki district has a small portion as millet producing area exclusively with Finger millet. So ICAR - Krishi Vigyan Kendra to popularize the International Millet Year 2023provided Bio-fortified varieties of Finger millet, Agronomic cultivation aspects, trainings and field visits to the growing areas in order to enhance domestic consumption and branding of millet products nationally and internationally". ICAR - Indian Institute if Millet Research, Hyderabad, released biofortified Fingermillet : CFMVI were supplied to the farmer of Idukki district growing Millets. In addition, fingermillet seeds of GPU 67 released by UAS, GKVK, Bengaluru and ATL 1 released by TNAU, 2020 were also supplied to the farmer of Idukki district growing Millets Ashiba A, SMS Agronomy, Millet Production Incharge of KVK Idukki organized a campaigns in different millet growing areas and emphasized the importance of millet cultivation among the farmers. Millet recipe contest for farmers from the millet growing areas were also arranged for making the view broad. Regular Field visits and trainings were conducted by Dr. R. Marimuthu, Senior Scientist and Head, Dr. S. Jayababu, SMS Animal Science, Ms. Manju Jincy Varghese, SMS Soil Science, Mr. Sudhakar Soundarajan, SMS Plant Protection and Ms. Preethu K. Paul, SMS Agricultural Extension to the millet growing fields.

- Ms. Preethu K. Paul, SMS Agricultural Extension





KVK Kannur

Promotion of Millets

KVK Kannur has organized various programmes to promote millet cultivation in Kannur district as part of the International Year of Millets - 2023. A training programme for farmers on millet cultivation was conducted at KVK in which 20 participants have attended. Ragi seeds were distributed to farmers at Thillenkery Panchayat and field day was conducted in association with harvesting of the same inaugurated by Sri. Binoy Kurien, Vice President, District Panchayat, Kannur in a function presided over by Smt. Sreemathi, President, Thillankery Panchayat. A seminar cum exhibition on millets was inaugurated by Smt. Divya, President, District Panchayath. A frontline demonstration on ragi varieties KMR - 301 and KMR-630 at the fields of Sri T. J. Kurien, a progressive farmer at Cherupuzha Gram panchayath and Sri. Madhavan, frontline farmer at NICRA Village, Chengalayi Panchayth.





On the Job Training for VHSE students

KVK Kannur has organized on the job training programme for final year VHSE students in Kannur district. Floriculture Cultivation Technology students of GVHSS, Karthikapuram, TVNGVHSS, Thaliparamba, Agricultural Extension Service Provider students of TVNGVHSS, Thaliparamba, Vegetable Growers students of GVHSS, Kurumathur and GVHSS Kadirur has attended the OJT programme at KVK. Students were oriented to the practical aspects of their job trade in six day training programme. Field visits were also conducted for students to interact with farmers to elicit the field problems faced by farmers in Kannur district. OJT programme was inaugurated by Dr. Jayaraj P., Programme Coordinator, KVK Kannur. Sessions were handled by Subject Matter Specialists and Farm Superintendent of KVK Kannur. Students and teachers shared their experiences and feedback in the valedictory session.



KVK Kasaragod

Enhancing Livelihood Security and Sustainability Through SCSP Programmes

The ICAR- Krishi Vigyan Kendra, CPCRI, Kasaragod has organized various activities under the SCSP programme for 2023-24 covering more than 200 farm families of SC colonies located in Mangalpady, Madhur, Badiatka, Enmakaje, Kumbla, Chengala, Mogral Puttur, and Muliyar panchayaths. Activities conducted include “Demonstration of Carbon fibre pole harvester cum sprayer at Kubanoor, Mangalpady (July 3rd) with the participation of 46 farmers ; Awareness programme on “Significance of Moringa cultivation for Nutritional security” marking the event of National Nutrition Month (Sept, 23) at Chenekkode , SC colony and distribution of 250 moringa seedlings (PKM-1) to around 45 families at Chenekkode and Majal SC colonies of Madhur panchayath ; Distribution of around 1025 Arecanut seedlings (Sree Mangala) to SC farmers/farm women; Skill oriented training for 8 days (20th - 30th Sept) on “utilization of brush cutter for creating Self employment amongst un employed youths”. The skill oriented training on “Areca Leaf Sheath Plate Making” (22nd Sept) and Training on “ Organic Vegetable Cultivation” (11th, Oct) conducted by Dr. Benjamin Mathew, SMS, KVK, CPCRI with a participation of 25 participants wherein IIHR vegetable kits and 50 hybrid coconut seedlings



provided to the participants in co ordination with SCSP programme of ICAR-CPCRI, Kasaragod. Training on nutritional significance of papaya and its cultivation in homesteads was done by Dr. Rajkumar , Senior scientist and Nodal officer for SCSP programme, CPCRI and distributed 250 papaya seedlings (Red Lady var.) to beneficiaries at Goliadka SC colony. Twenty five bee boxes were distributed to the rural youth of Badiadukka and training on apiculture was provided by Dr. Sujithra M, Senior Scientist, CPCRI and Smt. Annamma Jose, Managing Director of Tulunadu Ecogreen Farmers Producer Company took classes on bee keeping and practical training was impacted by Sh. Bhaskaran, progressive bee farmer in farmers' fields.

The programmes were organized for ensuring livelihood security and sustainability in agriculture. The programmes conducted under SCSP was co ordinated by Dr.Saritha Hegde , SMS, Community Science and Nodal officer for SCSP programme, KVK Kasaragod.

Authors : Dr. Saritha Hedge, SMS Community Science,
Dr. Manojkumar T.S., Principal Scientist & Head,
Dr. Benjamin Mathew, SMS-Horticulture,
Mr. Manikantan K., Farm Manager,
ICAR-KVK, CPCRI, Kasaragod.





KVK Kollam

Skill Development Programme (Farm Machinery) for the Members of Kudumbashree - a Step Forward to Groom Skilled Labourers

Kudumbashree is the poverty eradication and women empowerment programme implemented by the Government of Kerala. Kudumbashree has a three-tier structure for its women community network, with Neighbourhood Groups (NHGs) at the lowest level, Area Development Societies (ADS) at the middle level, and Community Development Societies (CDS) at the local government level. The word Kudumbashree means 'Prosperity of the family'.The State Poverty Eradication Mission (SPEM), popularly known as the Kudumbashree Mission is the State government's instrument for poverty eradication under the Local Self-Government Department.

In Kerala one of the major reasons for the farmers to refrain from Agriculture is higher wages of labourers and poor quality of work. Reduction in labour cost by adoption of cost effective locally adoptable farm mechanization is need of the hour. Benefits of mechanization which have attracted the attention of farmers are timely operation, higher field efficiencies, higher productivities and reduction in human drudgery. Kudumbashree Mission of Kollam district contacted us to conduct small scale farm machinery training to their members to develop the technical skill of members in operation and maintenance of farm machinery. Accordingly 5 different groups comprising of different blocks were selected and the list was given by Kudumbashree mission to KVK, Kollam. The Kendra has done 4 skill

development training on farm mechanisation like Operation and Maintenance of Mini Tractors, Operation and Maintenance of Mini Tillers, Operation and Maintenance of Brush Cutters and Operation of Coconut Climbers and Auger Digger. This training will help them to create a service bank of technicians for agricultural purpose and also generate employment opportunities to the poor, unemployed rural women. It also envisages dignity to Kudumbashree members. In addition, it would bring fallow land into cultivation with reduced cost of cultivation.

Contributors : Dr. Prakasha G., Scientist (Agronomy)









Enterpreneurship Development Programme in Value Addition of Millets

Entrepreneurship Development Programme was conducted at KVK Kottayam on 'Instant breakfast Mixes from Millets' on 10.01.2024. Twenty five entrepreneurs from Kottayam district participated in the training programme. Technology for preparation of dosa / idli mix, appam mix, upma mix, porridge, pongal mix and puttupodi were disseminated in the programme. Sessions were also conducted on packaging, labelling and branding of products. Dr. Neelofer Ilayassukutty from CPCRI KVK Kasaragod and Dr. Jisha APrabha (KVK Kottayam) handled the sessions.



On Job Training for VHSE students

On the job training on Floriculturist, Gardener, Vegetable grower and Organic grower was given to 10 batches of 2nd year VHSE students from seven schools in Kottayam District. The students were given hands on training for six days on various aspects required for undertaking job roles. Students were taken for trips for field exposure and were allowed to interact with entrepreneurs in various sectors. Pre training and post training evaluation was conducted to ascertain the efficacy of the training. Valedictory functions were conducted after collecting feed-back on various sessions from the students.

Contributors : Dr. Prakasha G., Scientist (Agronomy)





KVK Kozhikode

Training on Mechanized Coconut Climbing Organized

A training programme for coconut climbing using machine was organized by KVK with the financial assistance of Coconut Development Board, Kochi from 3.1.2024 to 10.1.2024. The six day training was attended by 20 rural youth and farmers from different parts of Kozhikode district. The training covered not only practical training for climbing coconuts using machines but also extensive theory sessions like cultivation aspects of coconut, pest and disease management, value addition, personality development, leadership qualities, time management, savings etc. which were handled by experts from various departments. A field visit was also organized to DAF, Koothali and to the field of a progressive farmer. A Coconut Olympics was also conducted on the final day of the training. In the valedictory function, Sri.Rakesh Kumar Meena, Director, Department of Food and Public Distribution, Government of India, was the chief guest and he distributed prizes, climbing machines and certificates to the trainees. The programme was led by Dr. P. Ratha Krishnan, Principal Scientist and Head, KVK and coordinated by Dr. P. S. Manoj, Dr. K. M. Prakash and Dr. Aiswariya K. K, SMSs, KVK.

Authors / editors : Dr. P.S. Manoj, SMS and Dr. P. Ratha Krishnan, Head, KVK, Kozhikode, Kerala





Training on mechanized coconut climbing

Millet Recipe Competition Conducted

A Millet recipe competition was organized at KVK, Calicut on 8.01.2024. Fourteen participants from Calicut, Malappuram and Ernakulam districts participated in thE competition. Dishes like Bajra Puri, Pearl millet Pulav, Foxtail millet Dosa, little millet Payasamwere prepared and demonstrated. Dosa, Puri and Pulav prepared with millet and medicinal herbs were chosen best among all other dishes. This was a unique dish both in quality and taste. Cash prizes were also given to the winners.

Authors / Editors : Ms. A. Deepthi, SMS and Dr.P.Ratha Krishnan, Head, KVK, Kozhikode, Kerala





Viksit Bharat Sankalp Yatra (VBSP) Concludes its Journey in Rural Areas

The Viksit Bharat Sankalp Yatra (VBSP) continued its journey across various panchayats in Kozhikode district and concluded in rural areas on 10.1.2024. The programmecovered all 70 Grama panchayats during the period with participation from Lead Bank, other government institutions and various banking partners. Each department highlighted their available schemes and services. KVK actively participated by facilitating the sharing of farmers' experiences and organizing demonstrations of drones in farmers' fields.

Authors / Editors : Dr. P.S. Manoj, SMS and
Dr. P. Ratha Krishnan, Head,
KVK, Kozhikode, Kerala





KVK Malappuram

Millet Museum at KVK Malappuram

The Millet Museum, established at KVK Malappuram, has undertaken a noteworthy initiative in support of the International Year of Millets - 2023. The primary objective of the initiative is to raise awareness about the nutritional and environmental benefits of millets, emphasizing their significance in sustainable agriculture and food security. The cultivation of diverse millet varieties such as Ragi,



Bajra, Sorghum, Foxtail millet, Little millet, and Barnyard millet has not only enriched the museum's exhibits but has also inspired local farmers to explore alternative crops. The impact of this initiative extends beyond the museum, contributing to the broader goal of promoting millets for a sustainable and resilient agricultural future

On the Job Training Programme on Micro Irrigation Technician for VHSE Students

An on the job training programme was conducted for VHSE students from 01.01.24 to 09.01.24 under the guidance of Dr. Priya G Nair, SMS (Ag. Engg). 30 students of KMGVHSS, Tavanur attended the training programme. The training programme included different topics - Theory and practical sessions on micro irrigation, repair and maintenance of MI system, employment and entrepreneurial opportunities, effective communication in work place, maintain health and safety at the workplace. The students also visited the precision farming field of a farmer as a part of the training programme



Training programme on Employment generation for woman in Agricultural mechanization

A training programme was conducted from 09.01.24 to 11.01.24 for JLG and JEEVA members of Kudumbashree mission, Malappuram district. 27 woman from 14 blocks of Malappuram district participated in the training programme. Theory and practical sessions were done. The operation and maintenance of machineries mini tiller, lawn mower, brush cutter, chain saw, reaper, tractor etc. were trained



From class rooms to the realm of field applications : On the job training for VHSE students

Skill enhancement of students on agriculture subjects in a meticulous manner is imperative for agriculture based Vocational higher secondary course. On this aspect, students of Agricultural Extension Service Provider from GVHSS Tavanur had undergone a weeklong training on multiple facets targeting more on hands-on practices. The trainings focused on major avenues of agriculture development, scientific approaches to farming, technology assessment and refinement techniques, upscaling and outscaling procedures for technology adoption, simulation on training implementation, entrepreneurial avenues and opportunities.Students were taken to fields for acquainting with FLD in practice. Dr. Jasna V.K. coordinated Agricultural Extension Service Provider course of GVHSS Tavanur







KVK Palakkad

Commemoration of International Year of Millets 2023

The commemoration of Millet Year at KVK Palakkad represents a significant milestone in the institution's tireless efforts to promote millet cultivation and the development of value-added products. KVK Palakkad has been at the forefront of innovation, introducing an array of enticing millet-based products like cookies, Sorghum Delight, mixtures, Sweet Sorghum Delight, and Ragi, Sorghum, Bajra crisps. These products not only reflect the versatility of millets but also underscore their nutritional significance. The center's commitment extends beyond product development, as it actively engages in comprehensive training programs. The programmes initiated with a one day workshop on prospects of entrepreneurial development in millets, which was inaugurated by Sri. Mohamed Muhassin, Hon. MLA on March 18th. Following this around 10 capacity development prorammes were conducted on millet cultivation / value addition. Training sessions included trainings for students also. Millet Entrepreneurs Development Programmes have empowered individuals with the knowledge and skills necessary to thrive in the millet industry. Through various training sessions, KVK Palakkad has disseminated crucial information regarding the importance of millets and their value addition, fostering awareness about the health benefits associated with these grains. Scientific millet cultivation techniques and climate-resilient practices have been imparted to farmers, ensuring sustainable and efficient cultivation methods. Collaborative events like the Millet Gala, conducted in association with MES College Kalladikode, was a great success and it helped to create awareness about millets in today's generation. Moreover, the Millet Recipe Contest at tribal villages of Attapady not only celebrates the rich cultural diversity but also encourages the incorporation of millets into traditional diets. In essence, KVK Palakkad's multifaceted approach during Millet Year not only highlights the agricultural and nutritional significance of millets but also reinforces the importance of community involvement and sustainable practices for a resilient and prosperous agricultural future.

Author : Dr. Lakshmy P.S., Assistant Professor, KVK, Palakkad.





RWE Programme at KVK

As part of the KVK module of RAWE (Rural Agricultural Work Experience) program of the students of College of Agriculture, Ambalavayal, the students were taken to three farms byscientistsof KVKPalakkad, on January 10th. First they visitedDeesan Farms in Meenakshipuram, Palakkad, owned by Mr. J. Gnana Saravanan, a renowned natural farmer and recipient offour state awards and one National award. For students, he conducted an awareness programme on natural farming practices that he is following and the agro-entrepreneurial activities that he is currently undertaking which include value addition of milk and guava, and marketing of agricultural products produced in his farm as well as other farmers. The class was included under natural farming awareness program of KVK Palakkad. He shared insights on his natural farming practices, agro-entrepreneurial ventures, and

showcased components like cattle sheds, bio-digester, drip irrigation, and value addition units. The second visit was to Mr. Arul Joseph's vegetable field in Elappully, Palakkad where students learned about drip irrigation, pheromone traps, bait traps, and fertigation systems. The third visit was to Mr. Ramachandran 's integrated farm in Elappully, highlighting his innovative turmeric polishing machinery, organic cultivation of diverse crops, and aquaculture practices. The students found the experiences informative and inspiring.

Author : Sri. Arun T., SMS (Agronomy)
KVK, Palakkad.





Training on Natural Farming Practices

A natural farming training session was organized for farmers in Palakkad district at KVK Palakkad by KVK scientists. The training aimed to promote sustainable and eco-friendly agricultural practices. Around forty farmers participated in the training programme. Notably, practical sessions were conducted by RAWE students from the College of Agriculture, Ambalavayal, who are currently undergoing their RAWE program at KVK Palakkad. The students actively participated in imparting practical knowledge and skills to the farmers, providing valuable insights into the principles and techniques of natural farming. The collaborative effort between KVK scientists and RAWE students contributed to enhancing the understanding and adoption of natural farming practices among the farming community in Palakkad district.

Dr. Resmi. J, Assistant Professor (Horticulture),
KVK Palakkad.



KVK Pathanamthitta

Commemorate International Year Millets

Millets have been an integral part of our diet for centuries. In addition to a plethora of health benefits, millets are also good for the environment with low water and input requirement. With the aim to create awareness and increase production and consumption of millets,United Nations, at the behest of the Government of India, declared 2023 the International Year of Millets (IYoM). To commemorate this, ICAR-KVK, CARD, Pathanamthitta had initiated a set of programmes during the year of 2023.The programme includes establishmentof Millet demonstration unit under Natural Farming programme at KVK instructional farm, training programme on Millet Cultivation and 4 trainings on Value addition of Millets, Launching of eight new millet products viz. Sprouted Finger Millet, Jowar and Bajra, Finger Millet Laddoo, Jowar Peda, Multimillet Pasta, Instant Millet Payasam Kit and Blended Millet Breakfast Kit and also set up a permanent millet display at KVK-Greenshop and KVK Entrepreneur Support Centre. To mark the celebration, introduced processing method for sprouting of millets for enhanced bio-availability of nutrients in order to support malnourished patients with chronic ailments, conducted Method demonstrations of millet products in 3 Nutri-Smart villages to augment millet utilization among rural

women and children. KVK also organized four millet exhibitions to create awareness on the scope for value addition of millets. IYoM celebration also paved way for establishing school millet garden at MTSSUP School, Majadi with the support of KVK. Entrepreneurship Development Programme on Value Addition of millets with emphasis to blended breakfast foods and Nutri-food products also formed the part of celebration. The year 2023 being the international year of Millets, a millet recipe and a poster competition for school students was also held as part of World Food Day 2023.



KVK Thrissur

Spreading the Magic of Millets through Awareness Creation and Training Programmes

In the year 2023, more than 21 training sessions were conducted by KVK Thrissur on campus and off campus covering around 560 beneficiaries. As climate resilient nutraceutical crops, millets are receiving great attention from people in all walks of life. Schools, NGOs, women groups and farmers are showing unprecedented interest in cultivating these crops as well as to try a hand in their value addition prospects. As a part of on-farm trials of KVK, seeds of HYVs of Ragi were also distributed among the farmers and women groups of the district. As 2023 is celebrated as World Millet year, the local self-government department along with line departments are conducting at least one initiative in each panchayat under millet cultivation giving importance to area expansion and fallow land cultivation. In various exhibitions conducted as a part of different programmes, KVK Thrissur also took special interest in displaying live specimens of millet crops and value added products to create awareness among the public. Total we have conducted 21 trainings and 560 farmers / farmwomen were trained on the occasion of International Year of Millet.



Skill Enhancement of Vocational Higher Secondary (VHSC) Students Through on the Job Traning (OJT) Programmes

On the Job Training Programmes (OJT) for the VHSE students is a mandatory exercise conducted in collaboration with KAU and the Directorate of Vocational Higher Secondary Education , Kerala. This programme envisages to upgrade and hone the job roles already acquired by the students in class rooms providing a practical field level exposure. This year's OJT was conducted at KVK Thrissur from 4 thto 11th January 2024 for 105 students covering four schools in connection with two relevant courses - Organic grower and Vegetable grower. As a part of "Organic grower" training, practical sessions on land

preparation, field lay out, mulching and planting operations along with preparation of organic fertilisers, organic pesticides and liquid organic fertilisers were demonstrated to students. Classes on Zero budget natural farming, NSOP, Harvesting, processing, packing, labelling, Organic Certification were conducted by eminent resource persons of KAU and INDOCERT. Topics like major pest and diseases in vegetable crops, vegetable seedling grafting, precision agriculture, aquaponics, hydroponics, vertical farming, irrigation techniques, nutritional garden, harvest indices, post-harvest handling of vegetables as well as value addition were covered under " Vegetable grower" course .Practical sessions on aquaponics , laying out and planting of nutritional gardens were also done which were appreciated by all the students. Field trips were conducted to the vegetable farms as well as to the nearby research stations. Almost every day, students were given individual and group practical activities and continuous evaluation was done. Classes on maintaining safe and healthy standards at the work place were also conducted. Special classes on communication skill development were also carried out by the resource persons of KVK. An experience sharing session for the students and teachers was also adjusted along with a valedictory session. Certificates collected from Central Training Institute, KAU were also duly signed and distributed among the students.







KVK Trivendrum

Role of Popularizing Millets

The year 2023 marked the initiation of millet cultivation and value addition, owing to the recognition of its immense potential and health benefits for the generation, as part of the "International Year of Millets". ICAR KVK Mitraniketanhas been working with a clear vision for the betterment of society, including farmers, rural youths, and extension personnel, since its inception in 1979. The KVK organized a plethora of activities this year, ranging from awareness programmes, workshops, seminars, trainings, and lectures for various groups,including school teachers, eco-clubs, school students, nursing students, NSS volunteers, charitable institutions, farmers, and farm women. These programmes were aimed at equipping participants with an understanding of the importance of millet cultivation in addressing the problems related to water shortage and climate change.

The KVK worked in close association with the Agriculture Development and Farmers Welfare Department, ATMA, Millet Mission, and theEducation Department. KVK conducted a session on millet cultivation for district coordinators of the Millet Mission in Thiruvananthapuram district and distributed seed kits with major millets to the coordinators. KVK also participated in Kisan Melas and exhibitions in schools, engineering colleges, and ICAR-CTCRI to popularize millets. The Agricultural Minister and the Education and Labour Minister were present at the seminar organized in connection with Kisan Mela on 09.10.2023 at Thiruvallam. Smt. Jyothi

Rachel Varghese (SMS Agronomy) was the resource person for similar flagship programmes at Poovachal, Vellanad, Neyattinkara, Andoorkonam, Kulathoor, etc.

Two hundred and five selected teachers from all government schools of Thiruvananthapuram district participated in a programme at Attingal, KVK also arranged exhibitions on campus to provide an opportunity for curious minds to learn more about millets. KVK had the privilege of initiating cultivation through on-campus, off-campus, and sponsored training programmes and encouraged many farmers to cultivate millets in homesteads, terraces, grow bags, wastelands, and cultivable land by trapping maximum sunlight.

Dr Khader Vali, the Millet Man of India, visited Thiruvananthapuram to deliver a talk on millets in connection with a programme arranged by the Millet Mission, Kerala and shared his valuable insights with the attendees. KVK experts conducted field visits to monitor the cultivation and value addition of millets. An assessment of different varieties of finger millets from the Indian Institute of Millet Research, UAS Bengaluru, and UAS Dharwad is under cultivation in different places inthe Thiruvananthapuram district.

KVK played an important role in adopting a new lifestyle with millets. Scientific knowledge on cultivation practice and value addition was provided through ICAR - KVK, Mitraniketan - Thiruvananthapuram. People from various socio - economic status are aware of different health benefits which encourage them to eat millets.





KVK Wayanad

One Day Training on Milk and Milk Products

One day training/ awareness programme was conducted by KVK Wayanadon milk and milk products for farm women. In this event, classes were lead by Dr. Safia N.E, Senior Scientist and Head, KVK Wayanad. Topics on nutritive importance of milk and its value addition were covered. There was an active participation of 23 farm women in the event.



Training on New Trends in Processing and Value Addition

KVK Wayanad conducted one day training on processing and value addition in association with Agri Business Incubator, Thrissurat KVK Training hall. The classes were lead by Dr. K.P. Sudheer, Professor & Head, Department of Agricultural Engineering, College of Agriculture, Vellanikkara. Dr. Safia N.E, Senior Scientist and Head, KVK Wayanad welcomed the gathering. Topics on New trends in processing and value addition were covered in detail. Around 34 women farmers actively participated in the event who are the members of self help group which got fund support from ABI.





International Year of Millets - Recipe Contest

KVK Wayanad celebrated International Year of Millets by conducting a recipe contest on several value added products of millets. Smt. Ashitha M.R., Assistant Professor, KVK Wayanad, welcomed the gathering. The contest was inaugurated by Ambalavayal Grama Panchayath President Smt. Hafsath C.K. Dr. Safia N.E, Senior Scientist and Head KVK Wayanad, presided over the event. Around 23 women team was there who participated in the recipe contest with their various dishes on millets. Prizes and certificates were distributed for the winners who participated in the event.





Agriculture was the first occupation of man and as it embraces the whole earth, it is the foundation of all other industries.

Recent Developments in Infrastructure of ICAR-Taralabalu KVK, Davanagere.



Bird's Eye View of the Kadalivana Main Campus



Kadalivana Farm Map



Renovated Admin Building



Renovated Senior Scientist - Cum - Head, Chamber



Renovated Training Hall – 80 Members Capacity



Renovated Meeting Hall – 40 Members Capacity



Renovated Auditorium – 500 Members Capacity



Individual Scientist Chambers



Pests and Disease Specimens in Museum Unit



Reenergising Park - 1



Reenergising Park - 2



Natural Farm Activities Unit



Apiary Unit (Madhu Kuteera)



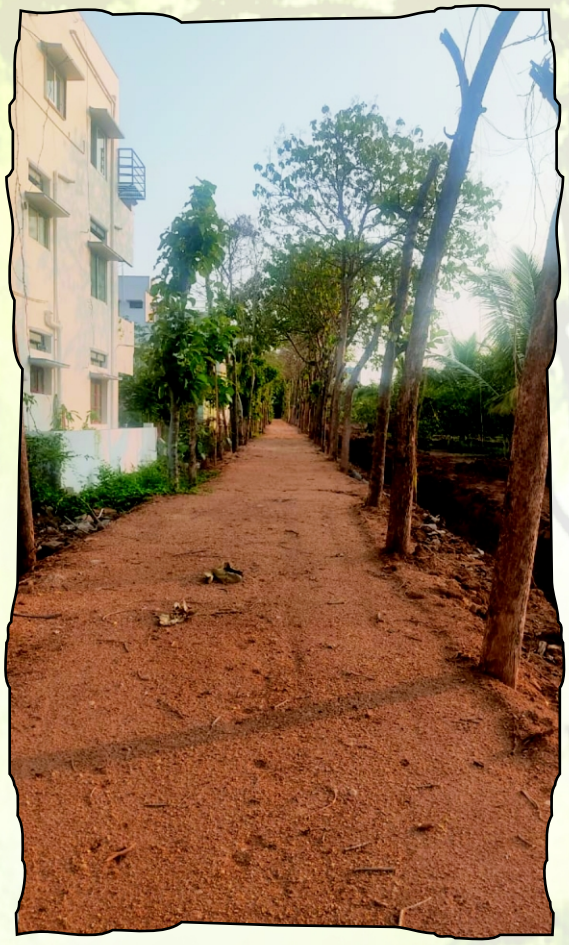
Solar Fencing



Renovated Fish Pond



Trench Cum Locks for Water Conservation in the entire Campus



Ring Road of the Instructional Farm



The Road Leading to KVK is named after the KVK itself !

Bird's Eye View of the Kesarivana Campus



Special Achievement of KVK Davanagere

FPOs Established by ICAR-Taralabalu KVK, Davanagere in 3 Districts (Dec. 2021 onwards)

Sl. No.	Name of the FPO	Sponsoring Department	District	No. of GPs Covered	No. of Villages Covered	Crop Area (acre)	Total Farm Families	Total Share Holders	Total Share Amount (₹)	Input Business Turnover (₹)	Output Business Turnover (₹)	Net Profit (₹)
1	Devagiri Taralabalu AFPCL	Watershed	Haveri	5	30	32,444	5,996	520	5,20,000	49,12,745	30,67,243	2,23,677
2	Shidenur Taralabalu AHFPCL	Horticulure	Haveri	5	18	9,952	5,525	550	5,50,000	1,11,42,435	10,00,000	1,88,660
3	Byadgi Taralabalu AFPCL	Watershed	Haveri	3	12	12,568	2,850	423	4,23,000	8,78,434	14,21,871	96,786
4	Haveri Dist. Women Sheep & Goat AFPCL	KSWDCL	Haveri	0	0	0	0	779	7,79,000	3,08,670	10,64,670	11,183
5	Kodaganur Taralabalu AFPCL	Watershed	Davanagere	5	25	32,558	7,250	664	6,64,000	1,13,96,489	30,31,054	-15,901
6	Bethur Taralabalu AFPCL	Watershed	Davanagere	6	19	23,613	4,600	1,000	10,00,000	89,57,211	0	1,53,000
7	Hirekogalur Taralabalu AFPCL	Watershed	Davanagere	5	24	35,625	8,625	1,051	10,51,000	1,00,32,256	17,505	1,65,000
8	Bidarakere Taralabalu AFPCL	Watershed	Davanagere	5	32	21,181	6,250	861	8,61,000	1,41,98,535	19,87,296	5,22,235
9	Nittur Taralabalu AHFPCL	Horticulure	Davanagere	5	15	24,852	3,750	1,000	10,00,000	1,95,74,005	0	1,74,800
10	Davanagere Fisheries AFPCL	Fisheries	Davanagere	0	0	0	0	132	1,32,000	0	1,05,400	5,000
11	Bharamasagara Taralabalu AFPCL	Watershed	Chitradurga	5	32	31,655	6,976	918	9,18,000	75,39,204	26,65,729	2,28,500
12	Godabanahal Taralabalu AFPCL	Watershed	Chitradurga	5	30	26,963	6,450	795	7,95,000	22,88,560	51,61,167	1,00,972
13	B.Durga Taralabalu AFPCL	Watershed	Chitradurga	5	24	19,750	5,040	987	9,87,000	29,07,126	11,32,163	1,22,230
14	Nunkemale Siddeshwara Taralabalu AFPCL	Watershed	Chitradurga	5	31	21,890	9,750	1,018	10,18,000	99,87,827	6,04,872	1,86,126
15	Halavudara Taralabalu AFPCL	Watershed	Chitradurga	5	35	25,910	7,600	600	6,00,000	28,31,240	44,430	34,405
			Total	**64**	**327**	**3,18,961**	**80,662**	**11,298**	**1,12,98,000**	**10,69,54,737**	**2,13,03,399.95**	**21,96,673.04**

Logos of FPOs Established by ICAR-Taralabalu KVK, Davanagere.





























INTERNATIONAL YEAR OF
CAMELIDS
2024











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Director, ICAR-ATARI, Zone-XI, Bengaluru

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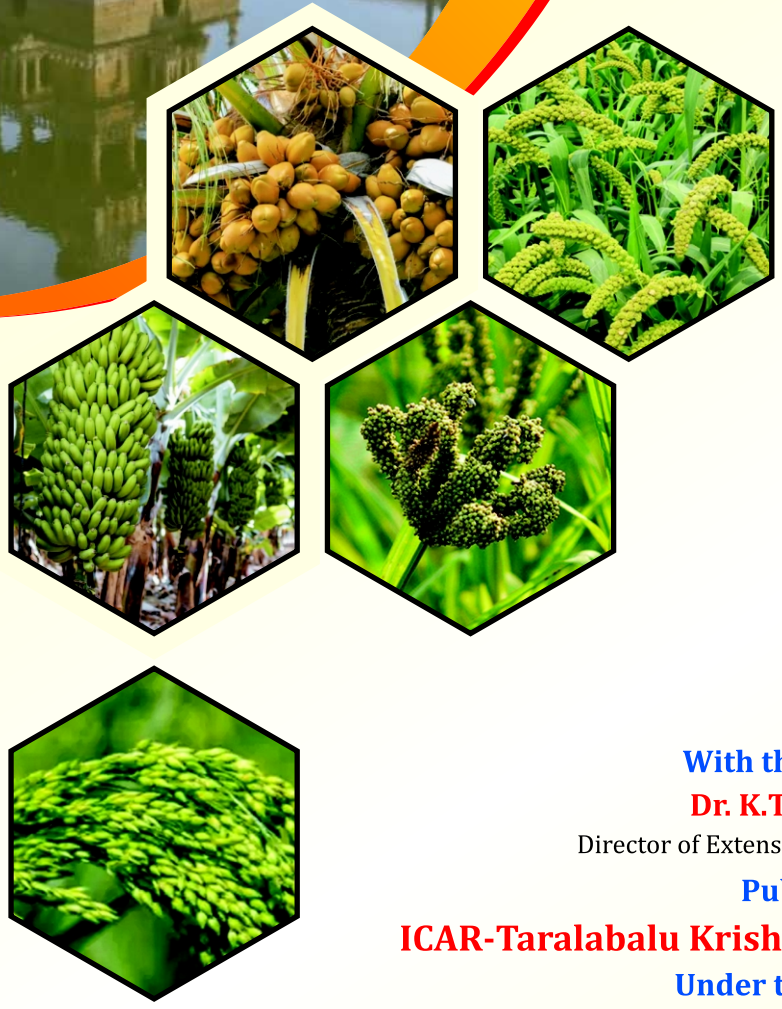

With the Guidance of

Dr. K.T. Gurumurthy

Director of Extension, KSNUAHS, Shivamogga.

Published by

ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere

Under the guidance of

ICAR-ATARI, Bengaluru, Zone-XI

