



KVK TIMES

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

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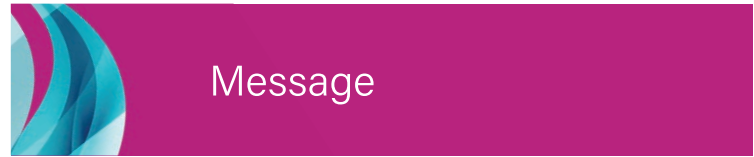
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KVK Times is a Fortnightly e Publication that covers important activities of KVK's of zone XI

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DR. V. VENKATASUBRAMANIAN
DIRECTOR, ATARI, BENGALURU

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

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

I am happy that KVK Ernakulam is bringing up the 15th issue of second volume of KVK TIMES covering the first fortnight of February 2024. I congratulate the KVK fraternity of Zone XI specially Dr. Shinoj Subramannian, Principal Scientist and Head and his team of KVK, Ernakulam for bringing out this unique edition of KVK Times.

V Venkatasubramanian



Dr. A. GOPALAKRISHNAN
DIRECTOR CMFRI, KOCHI

The Krishi Vigyan Kendras (KVKs) of Zone XI, under ATARI Bengaluru, have been instrumental in bolstering the food, nutrition, and livelihood security of farmers and rural communities across the states of Karnataka, Kerala, and the union territory of Lakshadweep. These KVKs have implemented specialized programs and initiatives, including cluster frontline demonstrations focusing on pulses and oilseeds, establishment of seed hubs, and adoption of national innovations in climate-resilient agriculture. Additionally, they have conducted skill development programs, facilitated quality seed production, organized Krishi melas, VBSY events, seminars, workshops, and numerous other programs. The efforts of these KVKs in disseminating the latest agricultural technologies and innovations through various extension methods have been commendable. Moreover, their collaborations with diverse stakeholders for holistic development have significantly contributed to the welfare of the farming community.

The KVK Times, a bi-monthly newsletter, serves as a platform to showcase the achievements and activities of the KVKs operating within Zone XI under ATARI Bengaluru. It offers comprehensive coverage of their endeavors, highlighting best practices and innovative approaches adopted by both KVKs and local farmers. The aim is to inform, inspire, and empower not only the farming community but also other stakeholders within the region.

I am delighted to acknowledge that KVK Ernakulam, under the administrative control of ICAR-CMFRI, is taking the lead in compiling and publishing this issue of KVK Times for the period from February 1-15, 2024. My sincere congratulations go out to the entire Team at KVK Ernakulam for their efforts in bringing forth this valuable edition of KVK Times.

I would also like to extend my heartfelt best wishes to all the KVKs within Zone XI for their unwavering dedication and commitment to the upliftment of the farming community in the region. It is through collaborative efforts such as these that we can continue to make significant strides towards the betterment of agriculture and rural livelihoods.

A handwritten signature in blue ink, consisting of a stylized 'A' followed by a series of loops and a horizontal line.

A. Gopalakrishnan



Acknowledgement

DR. SHINOJ SUBRAMANNIAN
PRINCIPAL SCIENTIST AND
HEAD KVK, ERNAKULAM

With immense pleasure, I present this issue of KVK Times covering the period of February 1-15, 2024. I extend my heartfelt gratitude to Dr. V. Venkatasubramanian, our esteemed ATARI Director, for his unwavering support and encouragement, which has been pivotal in bringing this publication to fruition.

I am equally thankful to Dr. A. Gopalakrishnan, Director of CMFRI, for his steadfast support and encouragement, inspiring us to explore innovative avenues to better serve the farming community.

A sincere note of appreciation goes out to all the KVKs of Zone XI for their timely sharing of activities, which has significantly enriched the content of this issue.

I extend my heartfelt thanks to Dr. B. T. Rayudu, the Nodal Officer of our KVK, for his invaluable support throughout the entire process.

I also want to express my deep gratitude to the dedicated team at KVK Ernakulam, especially Dr. Smita Sivadasan and Shri. Pushparaj Anjelo, Subject Matter Specialists, for their unwavering support and contributions. Without their efforts, compiling and releasing this issue within the designated timeframe would not have been possible.

Shinoj Subramannian

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ICAR-KVK-ALAPPUZHA

Participated in the Zonal Women Agri-preneur Conclave-2024

Ten women entrepreneurs from Alappuzha district along with Smt. Jissy George, SMS (Home Science) participated in the two day Zonal Women Agri-preneur Conclave organized at University Auditorium, Vellanikkara by ICAR-ATARI, Bengaluru and KAU, Vellanikkara on 20th and 21st January, 2024. Hon. Union Minister of State for Agriculture and Farmers' Welfare Ms. Shobha Karanthalaje inaugurated the conclave and visited the stalls arranged by the entrepreneurs promoted by the KVKs of Kerala and Karnataka and interacted with them. Dr.P.Muralidharan, Head, KVK-Alappuzha was the co-chairman of the first technical session in which PMFME schemes, Opportunities and challenges of Women Agripreneures, Services of KAU Agri Business Incubator and Kissan Kart were presented by learned speakers. The sessions were useful to the participants for up expanding their present ventures.

P. Muralidharan, Principal Scientist & Head
Smt. Jissy George, Subject Matter Specialist

Vocational training on scientific mushroom cultivation

Two days vocational training programme on 'Scientific mushroom cultivation' was conducted for 10 students from College of Agriculture, LPU, Punjab and Sree Ayyappa College, Eramallikkara, Alappuzha. Hands-on-experience on all aspects of oyster as well as milky mushroom cultivation was provided during the programme. Realising the possibility of using varied substrates, the students from the district are planning to use the aquatic weeds available in their locality for mushroom production in the project sanctioned for them from State Biodiversity board. An exposure visit was also arranged to 'Mia Mushrooms'- a mushroom cultivation cum processing unit at Devikulangara which was established with technical support from the KVK. Experience shared by the entrepreneur, Smt. Mini, instilled more confidence in the students in initiating the vocation as a side venture for income generation.

G. Lekha, Subject Matter Specialist





Foliar nutrition in paddy fields of NICRA village using drone

As part of the technology demonstration on 'Climate resilient practices for paddy in Kuttanad region' under the NICRA project, foliar nutrition of multi-nutrient mixture 'KAU-Sampoorna' was carried out using drone in 16 ha paddy fields of Vayalattumali Padasekharam of Thalavady Grama Panchayath on 15.02.24. Agricultural Officer and farmer leaders were present along with 25 farmers on the occasion. As a result of the awareness created by the demonstrations using drone from 2022 by the KVK, based on the demand from the farmers, Department of Agriculture, Govt. of Kerala has taken steps to adopt this technology to larger area during 2023-24. About 2000 ha paddy fields in Champakulam and Ramankary blocks

of Kuttanad region was covered with drone spraying of micronutrients. Among the NICRA villages 287 ha of the 690 ha paddy area in Muttar, 348 ha out of 839 ha in Thalavady, and 56 ha out of 1592 ha in Edathua were covered with this new resource efficient technology.

K. Sajnanath, Subject Matter Specialist

ICAR- KVK BAGALKOT

Inauguration of Programme of Krishi Sakhi (Batch-6) on 14.02.2024

SANJEEVINI- Karnataka State Rural Livelihood Promotion Society, Department of Skill Development, Entrepreneurship and Livelihood, Government of Karnataka in Collaboration with University of Agricultural Sciences, Dharwad, ICAR-Krishi Vigyan Kendra, Bagalkote organized six days training programme Krishi Sakhi from 12.02.2024 to 17.02.2024 at Krishi Vigyan Kendra, Bagalkote. Inauguration of Programme was organised on 14.02.2024.

Shri Y. N. Basarigidad, Project Director, Zilla Panchayat, Bagalkote inaugurated the programme and explained about the needs for Krishi Sakhis in conserving soil, water, crops and establishing market linkages. He also focused on the present scenario of livelihood activities. Dr. S. B Patil, Sr. Scientist & Head delivered inaugural address and opined that, Sakhi trainings are important



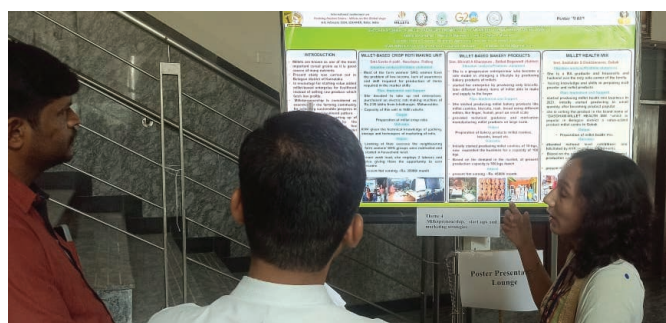


in enhancing livelihood, self confidence and overall development of farmers. He stressed upon the need to adopt organic and natural farming. He urged the need for practical sessions more than theory sessions during the training programme. He assured the technical inputs from KVKs and Universities always for future developmental programmes.

Dr. Siddappa C. Angadi, Senior Technical Officer, ICAR-Krishi Vigyan Kendra welcomed all the dignitaries and Krishi Sakhis. He wished all the Krishi Sakhi's progress in their field and make best use of knowledge gained about the training programme and wished them to become self sufficient and confident about them. During this event all the staff of Krishi Vigyan Kendra, Bagalkote and Zilla Panchayat, Bagalkote were present

ICAR-BIRDS KVK, BELAGAVI-1 "Best Poster Presentation Award" to ICAR-KVK, Belagavi-1 Scientist

Rekha B Karabhari, Scientist (Home Science), ICAR BIRDS Krishi Vigyan Kendra, Tukkanatti, Belagavi-1 has Received 1st Prize in poster presentation at "International Conference on Reviving Ancient Grains: Millets on The Global Stage" held at SDUAHER, Kolar organised by ICAR-KVK & COH Kolar, SDUAHER, KOLAR & ICAR, ATARI, Bengaluru (ICRAG-2023) during 8th and 9th February, 2024. She presented a poster on Success stories of Milletpreneurs promoted by ICAR-Krishi Vigyan Kendra of Belagavi -1 and Awareness and consumption pattern of millets among rural women of Belagavi District of Karnataka under the Theme on Milletpreneurship, Startups and marketing. M N Malawadi, Scientist (Agronomy) and Dr. D A Mhetre, Senior Scientist and head are the co-authors of the poster presented. Programme was inaugurated by the dignitaries and introductory speech given by Dr. Chikkanna G S, organizing secretary, ICRAG 2023 and Dr. V. Venkatasubramanian, Director, ATARI, Bengaluru, addressed the delegates





ICAR-KVK BELAGAVI -II

Awareness programme on Natural Farming

S.M. Warad, Scientist (Soil Science) delivered a lecture on introduction to 'Natural Farming' to the students of KLE College of Engineering and Technology, Chikodi in Belagavi on 02.02.2024. He highlighted the situation of food production before green revolution and its impact on chemical farming that led to heavy use of chemicals and pesticides which eventually caused for deadly effect on human health. Throwing a light on the Sustainable Development Goals set by United Nations, he called the attention of participating engineers on the need for hunger free as well as good health and well being of the citizens of India. Providing chemical free food is the today's concern of the present agriculture system in India. He emphasized the need for adoption of chemical free farming that is called natural farming. He explained the concept, advantages and wheels of natural farming, the difference between natural and organic farming and shared the data on different trials conducted on natural farming and comparative studies with regard to crop yield and economics of the trials conducted by UAS, Dharwad under ZBNF project.

Shri B.R. Patil, Hon'ble Chairman of ICAR KLE KVK, Mattikopp inaugurated the awareness programme on Natural Farming at Chachadi village, Savadatti taluk on 12.02.2024. During the inaugural address he expressed that, soil and water are precious natural resources and are to be utilized judiciously in agriculture production system. Soil health plays an important role on quality food production and it has to be maintained using organic materials replacing the chemicals like fertilizers and pesticides. In view of this Chairman called on farmers to adopt organic/ natural farming practices which were in practice during olden days. Further every drop of water should be utilized on scientific

method and he called to adopt the drip irrigation system in every farm and suggested to visit the KVK where the entire land has been brought under drip irrigation system with a cost of Rs. 1.0 crore. During the event, Mrs. Sridevi Angadi, Senior Scientist & Head spoke on processing of value addition in agriculture/ horticulture produce and S.M. Warad, Scientist (Soil Science) highlighted on the importance, concept and advantages of adoption of natural farming practices. During the programme five farmers were felicitated for their outstanding contribution in organic/ natural farming.

S.M. Warad, Scientist (Soil Science)

Mrs. Sridevi Angadi, Senior Scientist & Head

Natural Farming training programme

A two days two training programmes on natural farming was organized at Yenagi and Asundi village of Savadatti taluk. During the training programme, S.M. Warad, Scientist (Soil Science) opined that the chemical farming is unable to provide healthy soil, healthy food and enjoying health of the citizens. As a result of this, the people are spending more money on medical treatment to get rid of the illness. Natural farming involves chemical free practices with the use of desi cow dung and urine. As desi cows are prerequisite for natural farming, farmers should conserve desi cows to support natural farming for sustainable production of healthy food for all. The components





of natural farming was detailed to the farmers. Dr. S.S. Hiremath, Scientist (Plant Protection) demonstrated beejamrutaand jeevamruta preparation.

S.M. Warad, Scientist (Soil Science)

Dr. S.S. Hiremath, Scientist (Plant Protection)

Certificate Course on 'Organic Farming' for Rural Youths

ICAR-KLE KVK, Mattikopp initiated a Six days certificate course on 'Organic Farming ' to the Students of KLE Lingaraj College, Belagavi on 05.02.2024 at KVK, Campus. The course was inaugurated by Shri. B.R. Patil, Chairman, KLE KVK, Mattikopp. Speaking on this occasion, the Chairman said that, organic farming which was in practice in olden days has disappeared due to more use of chemicals like fertilizers and plant protection chemicals in the present day agriculture. Continued use of excessing chemicals has resulted in detrimental effect on soil micro organisms, imbalanced in eco-system and affecting human health. Therefore, there is an urgent need to adopt organic farming practices in agriculture/ horticulture. He called upon students to learn the knowledge on organic farming and transfer the same to the farmers for adoption which will help to reduce the cost of cultivation and minimize the health risks in human being.

Mrs. Sridevi Angadi, Senior Scientist & Head advised the students to give due importance to agriculture in selection of their profession



for minimizing the unemployment to raise food production to meet the requirement of growing population. Dr. Mallanna, Assistant Professor, Dept. of Geography, KLE Lingaraj College, Belagavi performed opening remarks and said that this training is being organized as part of new education policy.

S.M. Warad, Scientist (Soil Science),

G.B. Vishwanath, Scientist (Agronomy)

Participation in Exhibition

KVK Scientists participated in Exhibition organized by Vedanth Foundation at Mahila Vidyalaya, Belagavi on 28.01.2024. The programme was inaugurated by Shri. Mahantesh Kavatigmath, Former Chief whip Legislative Council, Karnataka Government & Director, Board of Management, KLE Society, Belagavi.KVK has also showcased information on recently released varieties in



the crop period was delivered. Mrs. Sridevi Angadi, Senior Scientist & Head explained about various drudgery reducing equipments like seedling transplanter, fertilizer feeder, groundnut stripper and decorticator and spiral separator etc., by utilizing these equipments minimizes drudgery in the farm operations and also improves the health of the farm workers.

Praveen Yadahalli, Scientist (Horticulture)
Mrs. Sridevi Angadi, Senior Scientist & Head

cereals, millets, pulses, oil seeds and vegetable crops. Harmful and beneficial insects, information on millet entrepreneurs developed by the KVK. QR code scan was made available in the stall for downloading the millet recipes and KLE KVK Smart Farming Mobile app, which consists information right from land preparation, varieties, seed treatment, INM, IPDM, livestock management and value addition.

S.M. Warad, Scientist (Soil Science)
Dr. S.S. Hiremath, Scientist (Plant Protection)

On Campus Training Programme

On campus training programme on Production Technologies on Vegetable Crops and drudgery reduction implements in field and horticulture crops was conducted to farmwomen of Dhupadal, Gokak taluk. During the training programme, Praveen Yadahalli, Scientist (Horticulture) highlighted about different varieties and hybrids developed by Indian Institute of Horticulture Research, Bengaluru. A detailed information on package of practices to be followed throughout





ICAR – KVK, BENGALURU RURAL Bee Keeping training programme under ARYA project

ICAR- Krishi Vigyan Kendra, Hadonahalli, Bengaluru Rural District organized six days Skill development training programme on “Bee Keeping” under Attracting and Retaining Rural Youth in Agriculture (ARYA) project from 29th to 3rd February 2024.

The training programme was inaugurated by Dr. B.G. Hanumantharaya, Senior Scientist & Head, ICAR – KVK, Bengaluru Rural District and briefed about the bee keeping in agriculture, there is a huge demand for honey and no doubt it can be a profitable venture in the present scenario. Dr. Dharshini, G.M., Scientist (Plant protection) given detailed information about apiculture like Life cycle of honey bees, Different species of bees and their family structure, Equipment used in bee keeping, Establishment of Apiary, Maintenance of bee colonies, Shifting of bee boxes/Transformation of colony, Management of honey bees in different seasons. Dr. Venkate Gowda, J., Scientist (Agronomy) explained about the role of honeybees in pollination, Plant species useful for apiculture. Dr. K.T. Vijay Kumar, Assistant professor briefed about the Enemies and diseases of Honey bees, Harvesting, processing and storage of products of Honey and their marketing. During the programme Training Kits, Bee-box with colony, Bee veil, Wax sheets, Smoker, Honey

extractor were provided to the trainees. Totally 20 Rural youths were benefitted from the training programme.

Dr. Hanumantharaya, B.G., Senior Scientist & Head, **Dr. Dharshini**, G.M., Scientist

ICAR-KVK, BIDAR

A successful “Chintan – Manthan Sabhe” with Hon’ble MP Bhagwanth Khubhaji inspires Bidar farmers

A transformative event unfolded on 15th February 2024 at Ghale Function Hall, Bidar, as farmers gathered for a “Chintan – Manthan Sabhe” organized by FACT, Bidar, in collaboration with ICAR - KVK Bidar. The esteemed guest, Hon’ble MP of Bidar District, Sri. Bhagwanth Khubhaji, inaugurated the event, setting the tone for a constructive dialogue.



Addressing the 254 farmers present, MP Khubhaji emphasized the importance of leveraging government schemes designed for their benefit. He advocated the adoption of nano urea and nano DAP to reduce fertilizer costs, showcasing the potential of cutting-edge agricultural technologies. Urging farmers to bypass middlemen in the marketing of their products, he envisioned a more direct and profitable approach.

MP Khubhaji encouraged farmers to enhance their knowledge by visiting KVK Bidar, highlighting it as a hub for acquiring insights into new production technologies and embracing innovative varieties released by universities. The event not only provided a platform for valuable discussions but also spotlighted the potential of collaboration between government officials and farmers for the betterment of Bidar's agricultural landscape. The meticulously organized "Chintan – Manthan Sabhe" thus emerged as a catalyst for positive change in the farming community.

Mrs. Jyothi S Kamthane, Dr. Sunilkumar N M Ningadalli Mallikarjun, Dr Gnyandev Bulla

Successful District-Level Mango Crop Seminar Empowers Farmers in Bidar

On Wednesday, 07-02-2024, a highly informative district-level seminar on mango cultivation unfolded at the ICAR-Krishi Vigyan Kendra in Bidar near Janwada. The event commenced at 10:30 am and attracted approximately 107 mango growers, sellers, and farmers involved in mango processing. Dr. A.R. Kurabar, the Associate Director of Extension at UAS Raichur, graced the occasion as the inaugural guest. Engaging with the participants, he discussed their experiences, introduced them to mango cultivation, and addressed the challenges they face. Dr. Kurabar emphasized the district's favorable conditions in terms of land and water for mango crop production. He urged the adoption of modern



technologies, expressing confidence that mango growers could significantly increase their income through their implementation.

The chief guest, Dr. Praveen Jogalekar, Professor in the Fruit Department at the College of Horticulture, Bidar, shared valuable insights on suitable mango varieties for Bidar district, the selection of planting material, planting methods, and canopy management. Dr. Sunil A Kulkarni, Professor and Head of ARS, Bidar, served as a resource person, enlightening attendees about critical diseases affecting mango crops and effective management strategies.

A live demonstration unit on fruit ripening technology was conducted by Dr. Ningadalli Mallikarjuna, providing practical insights into the process. Dr. Srinivasa N. M, Associate Professor in the Department of Fruit at the College of Horticulture, Bidar, presented detailed information on the challenges affecting mango production and recommended management practices. Program chairman Dr. Sunilkumar N.M briefed participants on effective pest management in mango cultivation. Mr. Sunilkumar Gangasire, Technical Officer from the Horticulture Department in Bidar, elucidated the various facilities offered by the department to support farmers. Chairman of the Bidar Horticulture Farmers Producers Company, Mr. Chetana Dabke,



shed light on the FPO's activities, emphasizing their role in facilitating the export and sale of high-quality mangoes.

The seminar commenced with a warm welcome and introductory words from Dr. Gnyandev Bulla, Scientist at KVK Bidar. Dr. Dhanraj, Technical Officer at KVK Bidar, concluded the event with felicitations, acknowledging the active participation of nearly 107 mango growers. The seminar proved to be a valuable platform for knowledge exchange, empowering farmers with the latest information and techniques to enhance mango cultivation in the district.

Mrs. Jyothi S Kamthane , Dr. Sunilkumar N M, Ningadalli Mallikarjun & Dr Gnyandev Bulla

collar rot. The seed treatment with Rhizobium, spray of neem oil, application of soil test based fertilizers and micronutrient mixture were also demonstrated in the farmers' field. Beneficiary farmers Sri. Ramaiah and Mahadevaswamy opined saying application of neem oil has benefitted by reducing the borer insect pest load, the seed size is better in demonstrations and are expecting a higher yield.

Senior Scientist and Head, Dr.Yogesh,G.S. detailed the method and advantages of soil sampling and showed a method demonstration of scientific soil sample collection. He also urged the farmers to opt for site specific nutrient management in order to cut the cost on chemical fertilizers, obtain profitable yield and to sustain soil and water resources. Mr. Adarsh,N. Observer,



ICAR-KVK, CHAMARAJANAGAR

Field day on Integrated Crop Management in Bengalgram and soil testing awareness programme

ICAR KVK Chamaraganagara organised a field day on Integrated Crop Management in Bengalgram under SCSP at Kodasoge village, Gundlupete taluk on 06.02.2024. The demonstrations were taken up in selected farmers' field with improved Bengalgram variety Jaki 9218, a semi spreading plant type with profuse branching, resistant to wilt, root rot and

DAMU demonstrated the vermicomposting technique and selected farmers were distributed the vermibeds to encourage vermicompost production. He also detailed the safety measures to be followed during extreme weather events like lightning and the advantages of using weather related apps namely MEGHDOOT, DAMINI, SIDILU for obtaining weather forecasting information. More than 35 participants attended the programme.

ICAR-KVK, CHIKKABALLAPURA Student Ready Programme

Students from College of Agriculture GKVK were placed at KVK, Chintamani as a part of Student Ready programme. Dr. Papireddy, Senior Scientist and Head explained about activities of KrishiVigyan Kendra and its role in dissemination of technologies to the farming community. Students visited different demonstration units during the programme.



Training on Soil and water conservation

Dr. Sandhya, Scientist (Soil Science) participated as resource person in training programme on soil and water conservation organized by District Agriculture Training Centre, Kagathi at Bagepalli, Chikkaballapura and Sidlaghattataluks of Chikkaballapura district and explained soil and water conservation technologies like importance of soil testing, scientific soil sampling technique, integrated nutrient management and conservation technologies like green manuring, trench cum bunds, farm ponds, drip and sprinkler



irrigation system. 150 farmers participated in the programmes.

Training on Pest and disease management in Mango conducted

Farmers Producers Organisation, Sugatur organized a training programme on pest and disease management in mango on 15.02.2024. Dr. Praveenakumar, Scientist (Horticulture) participated as resource person and highlighted about integrated management of leaf hopper and powdery mildew also about importance of mango special in getting good quality yield. 45 farmers participated in the programme.

Farmers' field visits

Scientists of ICAR- KrishiVigyan Kendra visited farmers' fields at Appegowdanahalli village of Sidlaghatta taluk o 15.02.2024. Dr. Swathi, Scientist (Plant Pathology) explained about integrated management of fruit fly and powdery mildew in mango.

Papireddy, Tanweer Ahmed, Sandhya K, Praveenakumar, Swathi B and Aruna G.R





ICAR-KVK, CHIKKAMAGALURU

Field day of FLD on Demonstration of Paddy variety Sahyadri Kempumukthi

ICAR Krishi Vigyan Kendra, Chikkamagaluru, has organized a field day on Paddy variety Sahyadri Kempumukthi at Badavanadinne, Mudigere taluk. Dr. Krishnamurthy, A.T. Senior Scientist and Head, Krishi Vigyan Kendra, Chikkamagaluru, said that, Sahyadri Kempumukthi is a high yielding variety developed by KSNUAHS, Shivamogga, farmers can expect the yield of 24 to 26 quintal per acre, demonstration and extension activities being carried out by the KVK for the benefit of farming communities and also advised the farmers to adopt this technology and disseminate it to other farming communities also.

Dr. Ullasa. M. Y., Scientist (Agronomy), KVK, Chikkamagaluru, explained the farmers about the characteristics of Sahyadri Kempumukthi and briefed about the scientific cultivation practices that are to be carried in paddy to get the maximum yield, also detailed about the natural farming practices in paddy and encouraged the farmers to take up natural farming.

Mr. Ravi, a progressive farmer and beneficiary

expressed the opinion that, under the guidance of Krishi Vigyan Kendra scientists, he cultivated the Sahyadri Kempumukthi, he has got 26quintal/ Acre and he advised the farmers to carry out the cultivation as per the advice and instructions of the scientists of Krishi Vigyan Kendra. He also mentioned that he would share the seeds of this variety with other farmers.

Dr. Shivaprasad. M., Associate Director of Extention, KVK, Chikkamagaluru, in his presidential remarks mentioned that over the years because of low yield and high cost of cultivation area under paddy cultivation has drastically decreased in Chikkamagaluru district and paddy grown areas are being converted into plantations, so he requested the farmers to continue to grow paddy with newly introduced high yeilding varieties like Sahyadri Kempumukthi.

This field day was witnessed by 80 farmers and benefited out it.





ICAR-KVK, CHITRADURGA

Field day on Chickpea

A field day of Chick pea variety Jaki was organized at Aimangala village of Hiriyur taluk on 19-01-2024.

Dr. O. Kumara, Senior Scientist and Head, KVK was present during the programme and during his speech he opined that in spite of very low rainfall during the season the adoption of new technologies such foliar application of 19-19-19 in chick pea under moisture stress condition during early flowering and flowering stages will lead to 10-20 Percent higher yield and also helps to protect the crop from moisture stress.

Mrs. Prathiba, Agriculture Officer, Aimangala, Hiriyur taluk discussed about the vagaries of Rainfall in the area and opined that there was around 30 per cent shortfall of Rainfall during Kharif season. In November month only 15-20mm rainfall received. With this moisture chick pea was sown and with this little moisture around 60-70 per cent of crop growth was good and application of new technologies like foliar spray during moisture stress and critical growth stages have helped the crop to withstand the moisture stress.

Around 75 farmers from Aimangala and nearby village have participated in the field day programme.

Training programme on Areca husk Composting

A training programme on Areca husk composting was organized at Bharamasagara village of Chitradurga taluk on 17-01-2024 in collaboration with department of Agriculture, Chitradurga.

Dr. O. Kumara, Senior Scientist and Head, KVK was present during the programme a Chief guest and during his speech he opined that lot of waste material

generated from areca plantations can be utilized for making composting. Many microorganisms are capable of decomposing the Areca husk which is rich in cellulose and lignin. Decomposing culture containing a consortium of Pleurotus, Phanerochaete and Chaetomium microorganisms should be applied to the composting pits which helps in breakdown of cellulose and lignin materials present in Areca husk there by enhances the decomposition process in the presence of moisture and cowdung. This is an easy technique and ready for microbes are available and he suggested the farmers to take this activity on priority basis.

Dr. Chandra Kumar, Assistant Director of Agriculture, Department of Agriculture, Chitradurga opined that area under Arecanut is increasing every year. Lot of Areca husk waste will be generated and it is difficult to manage huge quantity of husk. Only method available for management of this waste is converting the same to useful organic manure by adopting the available microbial consortium to convert the Areca husk into decomposed organic manure. He also suggested the farmers to contact KVK scientists for more technical information. Around 45 farmers from Bharamasagara and nearby villages have participated during the programme.





ICAR-KVK, DAKSHINA KANNADA Capacity Development Programme under SCSP Scheme

ICAR- Krishi Vigyan Kendra, Dakshina Kannada in association with Ambedkar Aapatbandhava Trust®, Puttur organized capacity development programmes on 'Nutri Garden' on 08.02.2024 at Gram Panchayat, Dharmasthala. Anilkumar D PSI, Dharmasthala has inaugurated the programme, Smt. Vimala, President, Gram Panchayat, Dharmasthala and Dinesh M. PDO participated as chief guests, resource person Dr. Rashmi Scientist (Horticulture) detailed importance of Nutri Garden and method of its establishment, Dr. Mallikarjuna L. Scientist (Soil Science) provided introductory speech about SCSP scheme and coordinated the programme. Mr. Raju Hosmath, President, Ambedkar Aapatbandhava Trust®, Puttur presided over the function. Secateurs and Guter Sprayer were provided to 40 selected SC farmers in the presence of in presence of Dr. T. J. Ramesh Senior Scientist and Head.

ICAR- Krishi Vigyan Kendra, Dakshina Kannada in association with Ambedkar Aapatbandhava Trust®,

Puttur organized one day off campus capacity development programme on 'Importance of Bordeaux mixture preparation and its application to manage fungal diseases in Areca nut' on 10.02.2024 at Puttur. Mr. Sankappa Nidpalli, Honorary President DSS, inaugurated the programme by lighting the lamp in front of Dr. Ambedkar image, Lokesh Hirebandadi, SBI Self-Help Group Field Officer participated as Chief Guest. Dr. Kedarnath Scientist (Plant Protection) demonstrated on preparation of Bordeaux Mixture., Dr. Mallikarjuna L. Scientist



(Soil Science) provided introductory speech about SCSP scheme and coordinated the programme. Raju Hosmath, President, Ambedkar Aapatbandhava Trust®, Puttur presided over the function, in the presence of Dr. T. J. Ramesh Senior Scientist and Head 200 L Plastic Barrels and Double Wheel Barrows were provided to selected 30 SC farmers.

Mallikarjuna L, Scientist (Soil Science)
T J Ramesha, Senior Scientist and Head





ICAR- TARALABALU KVK, DAVANAGERE

Technology Assessment Trial on Varietal performance of Onion varieties

Technology Assessment Trial on Varietal performance of Onion varieties suitable for Rabi season was conducted at Nibagur village of Jagalur Taluk. Mr. Basavanagowda M.G., Horticulture Scientist, explained the role of integrated nutrient management and ecofriendly management of pest and diseases. Bhima Red, Bhima Shakti and Agrifound Light Red varieties of onion seeds were provided to farmers for technology Assessment trials. The crop is at 60 days old and bulb formation stage. Mr. Mallikarjuna B.O., SMS (Agronomy), Farmers Mr. Manjunath, Sri. Somanagowda, Sri Nagaraja, Sri. Shivayya were also present during the diagnostic visit.

Mr. Basavanagowda M.G., Horticulture Scientist

Follow up field visit to the FLD Summer Finger millet

Mr. Mallikarjuna B.O SMS (Agronomist) conducted the follow up visit to the FLD – ICM in finger millet plots at Sagalaghatte and Guttidurga, Jagalur Taluk. The short duration Finger millet variety KMR-630 was in vegetative stage. Conducted the method demonstration of preparation of spray



mixture of Macro and micro nutrients @ 5g/l of water. Provided the information on the water management at critical stages of the crop growth and keep an eye on the incidence of FAW during the vegetative stage. Provided the critical inputs for the FLD partners.

Mallikarjuna B.O.

Subject Matter Specialist (Agronomy)

Exposure Visit to Hirekogalur TAFPO to NANU FARMS

As a part of exposure visit, Mr. Mallikarjuna B.O., SMS (Agronomy) took the Directors of Hirekogalur Taralabalu Amruth Farmer Producer Company to NANU FARMS, South Goa. The farm area is around 290 acres with integrated farming system. The main purpose we made visit is to learn and see the different by products developed from coconut. Mr. Abhijeth, Manager took us around the different units like Production of virgin coconut oil, preparation of coir pith, preparation of jaggery and sugarcane for coconut sap and many more production units. The whole farm is organic and its certified. The animal unit where there were more than 200 gir and other breeds were fed with organic fodder. They use these manure for their farm and even in the preparation of coconut seedlings bags. We also visited the nursery unit of hybrid coconuts. The most important and interesting visit we made to collection and preservation of Neera (Kalparasa cool). FPO directors interacted with the labourers and managers regarding the different aspects and how it can help their FPO in production and branding. It was very fruitful visit. Dr. Devaraja T.N., SSH also accompanied for the visit.

Mallikarjuna B.O.

Subject Matter Specialist (Agronomy)

Agriculture Drone Technology Demonstration in Chick pea crop

ICAR- Taralabalu Krishi Vigyan Kendra,



Davanagere 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 Kattegehalli, Jagalur taluk of Davangere District. The program was inaugurated by Dr. Mithun, Assisitant Director of Agriculture, Jagalur. Mr. Mallikarjuna B.O SMS (Agronomy) explained in detail about the technologies involved in Agriculture drone sprayer and its effectiveness on crops, soil and human health. We covered chickpea crop area around 90 acres with two drones for two days. The program conducted in collaboration with FPO, Bidarkare and there was a good cooperation with farmers had made the event successful.

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

Mallikarjuna B.O SMS (Agronomy)



ICAR-KVK, DHARWAD

Training on "Agro Ecological Practices" for Community Resource persons of Farm Livelihood (Krishi Sakhi)

Training programme on "Agro Ecological Practices" for Community Resource persons of Farm Livelihood (Krishi Sakhi) was organized by ICAR-Krishi Vigyan Kendra, Dharwad in association with KSRLPS Skill Development, Entrepreneurship and Livelihood Department, Government of Karnataka from 5-10 February 2024. Shri Shrinivas Kotyan, Member, Board of Management, UAS, Dharwad gave lecture on role of personality development in entrepreneurial activity. During the training programme krishi sakhis were pre-evaluated for knowledge on agriculture and allied sectors. Various lectures on integrated farming system, role of women in agriculture, organic and natural farming, hi-tech horticulture, grafting and layering of horticulture crops, plant protection in crops, vermicompost production, and apiculture, processing and value addition of agriculture produce, dairy, sheep/goat, integrated fish cum poultry farming, schemes of agriculture department, formation of FPO, role of krishi sakhis in community development and NRLM were delivered by resource persons. Exposure visits were arranged and guest lectures were also delivered by progressive farmer/ farm women,





ICAR-KVK ERNAKULAM

Ernakulam KVK Celebrates Outstanding Achievements of Partner Farmers at Awards Ceremony

Two outstanding farmers associated with Ernakulam KVK, Shri. Joseph Shibu and Shri. Shyam Sundar, received prestigious awards at the International Fisheries Congress & Expo 2024. The event, hosted by the Kerala University of Fisheries and Ocean Studies in collaboration with the College of Fisheries Panangad Alumni Association, spanned from January 12th to 14th, 2024. The recognition of these farmers, guided and technologically supported by KVK, highlights the significant collaboration between the farmers and the center.

Shri. Joseph Shibu, a trailblazer in cage fish farming, was recognized as the Cage Farmer awardee. His noteworthy contribution includes being the first in the country to engage in live fish vending, setting a benchmark for fellow cage farmers. Shri. Shibu has played a pivotal role as a mentor and guide for many in the cage farming community.

Shri. Shyam Sundar, an accomplished integrated Pokkali fish and shrimp farmer, was presented with the Shrimp Farmer award. His recent accolade also includes the Millionaire Farmer award, highlighting his significant achievements in the field. Shri. Shyam's dedication and innovative approaches have contributed to the success and sustainability of Pokkali fish and shrimp farming.

entrepreneur on value addition on millets, sericulture, sustainable agriculture. Dr. Jayashree Pattar and Dr. U. K. Shanwad, Scientists, KVK, Dharwad coordinated the training. Total 20 different topics of agriculture and allied science were covered to create awareness and develop skills among 27 selected Krishi Sakhis from Kundagol, Alnavar and Navalagund talukas.

Participation of KVK Scientist as resource person

Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad participated as resource person and delivered two lectures on 'Integrated sheep/goat cum poultry farming' organized by KSDA, Dharwad at DATC, Dharwad and JDA office, Dharwad on 13.02.2024. Around 65 farmers and farm women were present during the training.

Dr. D. N. Kambrekar, Senior Scientist and Head,
Dr. Jayashree Pattar, Scientist (Animal Science),
Smt. Shailaja N. Galagali, Technical Officer (Computer)





The recognition of Shri. Joseph Shibu and Shri. Shyam Sundar at this esteemed congress showcases their exemplary contributions to the fisheries sector, reflecting the commitment and excellence fostered by Ernakulam KVK in partnership with dedicated farmers.

Dr. Vikas P A, Subject Matter Specialist (Fisheries) and **Dr. Shinoj Subramannian**, Principal Scientist & Head

KVK collaborates with ATMA for training programs.

The Ernakulam KVK partners with ATMA Ernakulam (Narakkal block) for its within-district training program for 2023-24. This collaboration includes training sessions on various topics, such as "Homestead Vegetable Cultivation" held at Kuzhippilly on January 25th, "Production Technology of Ginger and Turmeric" at Pallippuram on February 5th, and "Fruits and Vegetable Cultivation in Homesteads" at Nayarambalam on February 6th. As a result of the training program, Pallippuram Grama Panchayat initiated a project called "Manjal Gramam," focusing on the cultivation and processing of turmeric during the current growing season starting from April 2024.

Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) and **Dr. Shinoj Subramannian**, Principal Scientist & Head

ICAR-KVK, GADAG

District Level Seminar on Cashew crop

District Level Cashew Seminar was organized at ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti, Gadag District in association with Directorate of Cashewnut and Cocoa Development, Cochin on 24-01-2024. The seminar was inaugurated by Dr. Vanita K., Senior Scientist (Entomologist), ICAR-Directorate of Cashew Research (DCR), Puttur and spoke about the timely management of major pests of cashew crop to get economical yield. Chief Guest of the function, Dr. Rajashekhar H, Scientist (Plant pathology), ICAR-DCR, Puttur shared insights of technologies released by ICAR-DCR, Puttur and explained the major disease of cashew crop and their management.

Shri Suresh Kumbar, Senior Assistant Director of Horticulture, Shirahatti block in Gadag district, highlighted the efforts made by KVK, Gadag and





State Department of Horticulture for area expansion under Cashew crop in the district. He further explained the Government schemes and facilities available in Department of Horticulture for the farmers. The president of the function Shri Ishwarappa Hanchinal, Vice President, Gadag District Cashew Growers Association shared his experience of growing cashew crop in his vast 30 acre land. Shri Budesh Bumannavar, a remarkable cashew grower was felicitated by KVK during the programme. Farmers and Scientist interaction session was organised to address cashew crop related queries. Field visit was organized to progressive cashew farmer's orchard.

Mrs. Hemavati R.H., Subject Matter Specialist (Horticulture) ICAR-KVK, Gadag

Seminar on Sandalwood based Agro-Forestry models for Gadag district

The Institute of Wood Science and Technology, Bengaluru, and ICAR-K.H. Patil Krishi Vigyan Kendra, Gadag jointly organized seminar on "Sandalwood based Agro-forestry models" on 23-01-2024 as part of technology week at KVK premises. The seminar was inaugurated by Dr. Narasimha Murthy, Senior Scientist, Institute of Wood Science and Technology

(IWST), Bengaluru elaborated the importance of sandalwood cultivation in Karnataka state and suggested farmers to take initiative to plant sandalwood in their farms to get fixed good income. The Chief Guest of the event, Dr. Ashok S.H., Assistant Conservative Forest Officer (ACFO), Forest Department, Gadag addressed the gathering, stating that there are no obstacles in cultivating and marketing of sandalwood and Government has made amendments to the laws and regulations pertaining to sandalwood cultivation. Dr. Rashmi Ramesh Shyanbhag, Scientist, IWST, Bengaluru advised farmers to take up sandalwood planting along the borders of the field or in the field, for getting good income in near future. Dr. Sudha V. Mankani, Senior Scientist and Head, ICAR-KVK, Gadag presided over the event and informed that cultivating sandalwood in the Gadag district could yield a stable income after 15-20 years. Mrs. Mamata M, Senior Technical Officer, Institute of Wood Science and Technology, Bangalore, spoke about the importance of sandalwood cultivation.

During technical session, scientists and ACFO provided technical information on sandal wood cultivation, pest and disease management and laws and regulations related to sandalwood cultivation and marketing. Later, field visit was organized to sandalwood block plantation in KVK Instructional farm





ICAR-KVK, HASSAN Scientific Advisory Committee Meeting

The 26th Scientific advisory committee (SAC) of ICAR- KVK, Hassan District was organized on 09th Feurary, 2024. The proragmme was inaugurated by lightening the lamp by

Dr. V. L., Madhuprasad, Director of Extension, UAS, GKVK, who in his opening remarks briefed about the mandated activities of KVK and purpose of organizing SAC meeting. Further, during his presidential remarks he suggested upscaling the production of apical rooted potato saplings production in the KVK farm and district in association with department of horticulture and horticulture research and extension center Somanahallikaval, Hassan.

Dr. Chandregowda, M. J., Principal scientist, ATARI, Bengaluru joined the meeting through online mode and he suggested to introduce new crops to the district, document success stories and to plan the impact activities.

Dr. Rajegowda, Senior Scientist and Head, KVK Hassan welcomed the gathering, presented action taken report and 2023-24 activities of KVK. During the programme two important folders on rugouse

whiteflies management in coconut and Apical rooted potato saplings production were released for the public by the dignitaries.

Dr. Vasudevan, S. N., Dean (Agri.),
Dr. M. C. Shivakumar, Dean (veterinary)

Dr. Naresh, N. T., Senior Scientist and Head, KVK, Mandya, representatives of all line departments, progressive farmers, scientists and staff of KVK Hassan were actively participated in the SAC meeting and given their valuable suggestions to improve KVK activities. Finally at the flag end of the programme dragon fruit saplings were provided to the member farmers of SAC by the dignitaries. Further, Dr. Shivashankar, M., Scientist (Home science) has offered the vote of thanks to



SAC members and Dr. Sakamma, S., Farm Manger, KVK Hassan has narrated the programme.

Dr. Rajegowda, Senior Scientist and Head
Dr. Arunkumar, B. R. Scientist (Soil Science), Dr.
Sanketh, C. V., Scientist (Agricultural Extension)





ICAR-KVK, HAVERI Animal Health Camp

ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) conducted an Animal Health Camp at Aanur village of Byadagitq in collaboration with Department of Animal Husbandry and Veterinary Services.

Dr.Guruprasad.G.S, Senior Scientist and Head, KVK Haveri in his inaugural speech narrated the importance of Animal Husbandry in Integrated Farming System and also briefed value of timely vaccination of animals to combat against deadliest bacterial and viral diseases.

Dr. Mahesh Kadagi, Scientist (Animal Science) briefed importance of reproductive disorders in dairy animals and their integrated management. Further, explained the importance of legume and Grass perennial fodder crops in animal nutrition. Dr.Umesh Honnatti, Senior Veterinary Officer, Bannihatti Village, Department of Animal Husbandry and Veterinary Services, Byadagi presided as chief guest and highlighted flagship programmes of central and state government in animal husbandry activities.

The programme was witnessed with 58 dairy cattle, 21 buffaloes, 37 bullocks and 25 sheep and goats for various treatments and aided by a team of veterinary doctors namely Dr. Mahesh Kadagi, Dr.Umesh and Mr Siddesh, livestock inspector. These animals were mainly treated for Repeat

breeding, Mastitis, Worm load and tick infestations. Additionally, mineral mixture was provided to each farmer to mitigate nutrient deficiency. Meanwhile farmers were also narrated with clean milk production and integrated health management of animals. Totally 80 farmers were participated in the Camp.

Agricultural scientists took a step towards helping farmers by organizing a "Sunflower Field Day"

Special programme of Krishi VigyanigalanadeRaitharaKade (ಕೃಷಿವಿಜ್ಞಾನೋತ್ಸವರೈತರಕಡೆ) and field day on sunflower (RSFH-700 and rsfh-1887) under CFLD was organized at Kuppelur village of RanebennurTaluk in collaboration with Seed Unit UAS, Dharwad, Seed Unit UAS, Raichur and Department of Agricultural, GOK, Ranebennur. Dr. P. L. Patil, Hon'bleVice-Chancellor of UAS, Dharwad in his inaugural speech urged farmers to cultivate different crops like cereals, oil seeds, pulses and horticultural crops to become a self-sufficiency in livelihood. Country is deficit in oil seed production hence, farmers should utilize the hybrids released by public sector which are equally competent with private hybrid in yield. Further, emphasized importance of millets and their value addition and secondary agriculture like dairy, beekeeping, sericulture, sheep rearing etc. for sustainable economy and livelihood. He also



briefed importance of ICT tools in agriculture crop production and insisted the farmers to register their mobile number at KVK, Haveri by using QR code developed by our KVK. Finally, he requested farmers to send their children's for farm university to get education in agriculture, horticulture, veterinary etc. Dr. S. S Angadi, Director of Extension, UAS, Dharwad suggested farmers to adopt different cropping system like intercropping and mixed cropping systems and use of organic fertilizers to increase soil fertility. He briefed about Integrated Nutrient Management for sunflower and the importance of zinc, boron, and phosphorous minerals. Dr. Arunkumar Hosamani, Special Officer (Seed), Seed Unit, University of Agriculture Sciences, Raichur, briefed about quality of pulses and oilseed seeds which are being produced and distributed to the farmers at their university. Dr. Vikas Kulkarni, Breeder (Oil seed), UAS, Raichur, narrated special features of new sunflower hybrids RSFH - 1887 and R.S.F.H. - 700 in yield and disease tolerant. Dr. Guruprasada G. S, Senior Scientist and Head, KVK, Hanumanamatti, informed that new hybrids of sunflower are being introduced under CFLD with ICM practice an alternative crop for maize. Dr. Shivamurthy D, Assistant Professor (Agronomy) explained about sunflower cultivation measures, including sowing seeds, seed treatment, recommended chemical fertilizers, weed control, and water management. Mr. Malatesh Manakuru, a

progressive farmer highlighted special feature of new hybrids in enhancing yield.

Shri Aravind, Agriculture Officers of Agriculture Department, and Scientists of KVK, Dr. Santosh H. M. and Dr. Mahesh Kadagi, were also presented at the event. 100 farmers/farmer women participated in the event. The event was showcased with results of new hybrids (RSFH-700 and RSFH-1887) with ICM technology

ICAR-KVK, IDUKKI

KVK Idukki showcased technologies and won Best Display in Zonal Women Agripreneur Conclave in Zonal Women Agripreneur Conclave 2024

KVK Idukki showcased technologies in Zonal Women Agripreneur Conclave 2024 scheduled at Central Auditorium, KAU from 20.01.24 to 21.01.24.





ICAR-KVK, KALABURGI-I Vikasit Bharat Sankalp Yatra-2023-24

ICAR - Krishi Vigyan Kendra, Kalaburagi-I officials participated Prime Minister-Vikasit Bharat Sankalp Yatra (VBSY) programme at Kalaburagi city and rural area in collaboration with line department viz, State Bank Of India, Canara Bank, Karnataka Grameen Bank, Ujwala Yojana, NGO, Department of Agriculture and Horticulture on 08.02.2024 and 10.02.2024 respectively.

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 by Revansidda, Manager, Aditya, KGB, Line department officials, Gram Panchayat members, progressive farmers, students and public. Around 650 publics were benefitted from these two programmes.



Distinguished guests of Zonal Women Agripreneur Conclave 2024 were Sushri. ShobhaKaradlaje, Hon'ble Union Minister of State for Agriculture and Farmers' Welfare & Food Processing Industries, Adv. K. Rajan Hon'ble Minister for Revenue and Housing, Member, Executive Committee, KAU, Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Zone XI, Bengaluru, Prof. V.Palanimuthu, Director, NIFTEM, Smt. Indira Mohan, President, Madakkathara Grama Panchayat and Ms. GeethaSaleesh, Agripreneur. Smt. Rachel Skariakutty, Programme Assistant of KVK, Idukki along with a Team of women Mushroom Agripreneurs from Idukki exhibited various mushroom value added products prepared by the agripreneurs from Idukki district in the conclave. After the conclave, Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Zone XI, Bengaluru Honored Smt. Rachel Skariakutty, Programme Assistant of KVK Idukki and her Team of women Agripreneurs from Idukki for organizing the Best Display in Zonal Women Agripreneur Conclave.



Totagarike Mela-2024 stall at UHS, Bagalakote

University of Horticultural Sciences, Bagalakote conducted three days Totagarike Mela from 10th to 12th February, 2024 under the theme of 'Horticulture for Drought resistant'. Krishi Mela was inaugurated by Dr. H. P. Maheshwarappa, Directorate of Research, UHS, Bagalakote, wished a good luck for better growth of the university and farming community especially increasing the farmers income.

UAS, Raichur setting information stall had displayed information materials pertaining to various aspects of agriculture, horticulture and technologies released by the university along with technological products like millets, millets baked products, bio fertilizers, Solar operated power sprayer, different varieties seeds of millets, pulses and cereals, GI tagged tur dal, pulse and chickpea magic were show cased in the different stalls. Agriculture universities, various departments of Horticulture, Veterinary, Sericulture, Forestry, Fishery and private companies established stalls in Krishi Mela. The agriculture related information in the form of specimens, charts, model, live samples

were demonstrated for the benefit of the farmers. The stall has been visited by many dignitaries from different spheres of society, school and college students, farmers and general public and imparted an enriching experience to the visitors. UAS, Raichur Scientists Viz, and Dr. Zaheer Ahmed, Dr. Mareppa, Dr. Arvind Rathod, Dr. Yasmeen were part of the team. A total of 5 lakhs farmers and public were participated and more than 50 thousand farmers were visited to UASR Stall and got the information.

Training Programme on Organic/ Natural farming

ATMA, Deodurga Tq, Dist. Raichur organised One day training programme cum exposure visit to ICAR-Krishi Vigyan Kendra, Kalaburagi-I for farmers, farm women and rural youths of Raichur district on 14.02.2024. 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 also focussed on Natural farming importance and scope in future. 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 45 farmers from different villages of Deodurga taluka were actively participated and benefitted from the training.

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

ICAR-KVK, KALABURGI-II

Namma Hemmeya Raitha
(Hamar Abhiman Kisan)

ICAR-KVK, Kalaburgi-II (Raddewadgi) has stated new thing by releasing the poster of successful farmer cover story. The new concept was launched by Dr. A. R. Kurubar, Associate Director of Extension, UAS, Raichur. The aim of the poster releasing is motivate the farmers to take up the kind of activity and generate the income and making agriculture is profitable and sustainable. From the Feb-2024. The "National Millionaire Award" winner and UAS, Raichur "Krishi Ratna" award winner Sir. Parashuram Bhommanhalli resident of Kallahangarga Tq. Jewargi Kalaburgi Dist.

his contribution is reviled through adoption of technology and how he is contributing to the society by adopting the eco-friendly approached in agriculture.

Every month one farmers success story will be launch at the end of the year all success stories will be compiled and release on book chapter form UAS, Raichur.

Chilli field day

During the event, Dr. Chetan T, Scientist (Horticulture) explained in detail about the production technologies in Chilli crop to achieve high yield with minimum input cost by adopting integrated crop management practices like using of bio inoculants in the early stage of crop, sticky traps, INM, irrigation schedule, prophylactic spray for pest and diseases.

Later, Sri. Sharangouda Patil, SADH, KSHDA, Jewargi briefed about department schemes for different horticulture crops. Meanwhile, all the guests and officers were felicitated Sri. Gollalappa S Pujari, Farmer who achieved the highest yield in chilli Hyb. Arka khyati and HPH 5531among local farmers with minimum input cost. He also explained his experience of crop growth stages



and importance of timely suggestions by KVK scientists and Department officials. This was witnessed by 64 interested farmers of that village and surrounding villages.

D. P. Vasudev Naik, Sr. Scientist & Head
Dr. Chethan T, Scientist (Horticulture)
Mr. Sanjeevkumar Patil,
Technical officer (Computer)



ICAR-KVK KANNUR

Harvest festival of rice- NICRA village

Harvest festival of second crop rice was conducted in the Choorikkadpadashekharan of Chuzhali village in Chengalayi panchayath. The rice variety 'Pournami' was cultivated as part of NICRA project in the village. The harvest festival was inaugurated by the vice-President of Chengalayi grama panchayath Smt. Shobhana.



Wooden plank installation at Chuzhali

Felicitation address was given by Ward member Sri. Rajeevan and Padashekharasamithi president Sri. Manoharan. The technical support from KVK Kannur, ChengalayiKrishibhavan and Panchayat was ensured for revival of fallow land in the village.

Under the intervention of NICRA project of KVK Kannur, water availability was ensured in the region



Harvest festival of rice at Chuzhali

for cultivating second crop rice. The water availability was a major threat faced by the farmers for second crop rice cultivation due to the inability to control the water flow in the existing check dam. Under NICRA project, wooden plank installation was carried out in the existing check dam to ensure the availability of water, which helped to revive about 4 acres of wetland in the area.

Training on value addition in agriculture

District Industries Centre (DIC) Kannur conducted a technology clinic on food processing on 14-15th February 2024. As part of this programme KVK Kannur conducted a training session on value addition of agricultural crops. Smt. Renisha J. M., Assistant Professor (Horticulture) handled the session on value addition of mango, jack, sapota, papaya, passionfruit, cashew etc. Fifty farmers attended the training programme





ICAR-KVK KASARAGOD

KVK Participation in 36th Kerala Science Congress exhibition, Kasaragod.

ICAR-KVK, Kasaragod participated in the 36th Kerala Science Congress organised by Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram from 8-11th February 2024 held at Government College, Kasaragod. KVK demonstrated the technologies on crop production, protection, farm mechanization, value addition and natural farming. The stall highlight was the eight different live millet plants with panicles which attracted lot of visitors especially school children. Different value added products from millets and fruits were also exhibited. Scientific staff of KVK interacted with visitors and answered their queries. More than 10,000 visitors visited the KVK stall during the programme.

Livelihood enhancement of SC communities through backyard poultry

ICAR-KVK, Kasaragod initiated a programme under SCSP scheme for the Livelihood enhancement of SC communities through backyard poultry. Ninety six layer chick breed "Gramasree" were distributed to 19 SC families in Badiaduka Panchayat of Kasaragod on 5th February 2024. Along with distribution a technical training was organised on scientific rearing of layer chicks by veterinary surgeon, Badiaduka.



ICAR-KVK KODAGU

Six days training programme on Agro Ecological Practices for Community Resources Persons of Farm Livelihood - Krishi Sakhi

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 5th – 10th February, 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, mushroom cultivation, AMC preparation, soil health management, importance of climate in crops, bee keeping, livestock management, seed selection, production & treatment, Farm Field School, crop life cycle, communication skills, available bank schemes & subsidies for women, entrepreneurship development, etc. Field 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



ICAR-KVK KOLAR

Valedictory function for the six-day residential training program dedicated to 'Pashu Sakhis'

ICAR – KVK Kolar convened a valedictory function for the six-day residential training program dedicated to 'Pashu Sakhis'. Noteworthy attendees included Deputy Directors Dr. G.T. Ramaiya and Dr. R.T. Patil, APDO Govind Gowda, PDO Ravindra, Dr. Shivanand Hongal, Senior Scientist and Head, KVK, Kolar alongside esteemed officials from the Animal Husbandry Department in Kolar district. The event culminated with the distribution of training certificates to 32 trainees who successfully completed Module-1 at KVK Kolar on 03.02.2024.

7 days Skill development training of Garland Maker "Malakar" under "PM Vishwakarma Scheme"

ICAR- KVK Kolar organized 7 days Skill development training of Garland Making "Malakar" under "PM Vishwakarma Scheme" from 6th to 12th Feb 2024. The participants were trained for skills in making various bio crafts using grainage cut cocoons and different types of garlands, bouquets, venis, etc from fresh flower. They were also thought for designing dry flower frames, lockets & key bunches using dry flowers during the training. Dr. Vijayendra M., Retd Proff. (College of Sericulture, Chintamani) served as master trainer, Dr. Shashidhar K.R., (Scientist Sericulture) and Dr. Asha, K.M., (Scientist Horticulture)





served as trainers and coordinators for the whole training session. 29 farm women's across Kolar district enrolled and benefitted from the training programme.

International Conference on Reviving Ancient Grains: Millets on the Global Stage -ICRAG-2023

ICAR- KVK, Kolar organized International Conference on Reviving Ancient Grains: Millets on the Global Stage in collaboration with COH, Kolar, SDUAHER, Kolar & ICAR-ATARI, Bengaluru on February 8th & 9th, 2024 at SDUAHER, Kolar.

The opening session was inaugurated by Dr. Venkatasubramaniam, Director, Zone XI ATARI, Bengaluru who emphasized the importance of ancient food grains "Millets" for achieving nutritional security in his inaugural speech. Dr. N. K. Hegde, Hon'ble Vice chancellor, UHS, Bagalkot who joined online highlighted on grabbing entrepreneurship opportunities in millets through value addition. In the Introductory speech Dr. Chikkanna G.S, scientist (Home Science) said this conference is planned with motto of "Let food be your medicine and medicine not be your food"



as this conference is jointly organized by medical science and agriculture science Institution because there is an opportunity to contribute to the future well being of mankind by bringing back ancient food grains in to our daily diet through people participatory approach. I believe the themes that are selected today are right to focus not only on cultivation but also an integrated approach



through which the common goal can be achieved ahead. If millets have to become a part of our regular diet, there is need for recipes and need for processed food that can make it to stand. The beginning has been made for that and now how do we take that further would be of utmost importance. This has to be taken up on priority basis through priority and policy incentives.

The session was chaired by the chief guests Dr. A.B. Patil (Former Registrar, UAS Bengaluru), Dr. Daykar Rao (CEO, Horti Hub, IIMR Hyderabad), Dr. M.K. Thripati (Prof. CIAE, Bhopal), Dr. Shanmugam (Registrar, NIFTEM, Tanjavur), Dr. D.V.L.N. Prasad (Registrar, SDUAHER, Kolar) and Dr. G.S.K. Swamy (Dean, CoH, Bengaluru) who addressed the conference and spread awareness on various aspects of Millets. Dr. Vengamma (Vice Chancellor,





SDUAHER, Kolar) in her presidential remarks depicted the medicinal values of millets and the need for reorientation of millet diversification for creating awareness among the public. Dr. Venkateshalu (Dean, CoH, Kolar) and Dr. Shivanand V Hongal (Senior Scientist and Head, KVK Kolar) presided the inaugural session of the conference ICRAI-2023

ICAR-KVK KOLLAM Scientific Advisory Committee (SAC) meeting

The Nineteenth Scientific Advisory Committee (SAC) meeting of KrishiVigyan Kendra Kollam was organised on 9-2-2024 to get necessary guidance and support to carry out the mandated activities of KVK in a more planned and scientific manner. Dr. Bini Sam, Professor and Head, KVK Kollam welcomed the delegates. Opening remarks was delivered by Dr. Jacob John, Director of Extension, KAU and Special address by Dr. K. Thimmappa, Principal Scientist and Nodal Officer, ATARI Bengaluru. Action taken report on previous SAC, Overall progress report and action plan for forthcoming season and salient technical

achievements was presented by Dr. Bini Sam. This was followed by a lively discussion by the SAC members; the members congratulated KVK for its activities and also guided KVK by giving constructive suggestions in their activities for the forthcoming season. Shri. Saji N S, Sreemangalam, Areeplachy P O, Kollam who was the millionaire farmer awardee of ICAR representing Kollam district was honoured by Dr. K. Thimmappa, Principal Scientist and Nodal Officer, ATARI Bengaluru and a short video of our millionaire farmer was also released. This was followed by leaflet release under NABARD project, Natural farming and Nutrigarden (16 nos) and CD (1 no) and short videos were also unveiled. The august gathering included PAO, Kollam, ADR Vellayani, Principal Scientist from CTCRI, Thiruvanthapuram; Programme Coordinator, KVK Thiruvanthapuram; Programme Executive, AIR and Scientists from FSRS and KVK Kottayam, ATMA Kollam, DPD, LEAD Bank manager, VFPC Manager; and representatives from other allied departments of Animal Husbandry, Dairy and Fisheries and





district Industries Department, Kudumbashree, Poverty alleviation unit, and progressive farmers (3 nos) and agripreneurs (1 nos). Twenty five members attended the meeting. The vote of thanks was proposed by Dr. Bindu Podikunju. The meeting came to an end at 2.30 pm

ICAR-KVK, KOPPAL

Two days Orientation training programme to farmers /pesticide dealers at ICAR KVK Gangavathi

ICAR KVK Gangavathi in collaboration with regional central IPM center Bengaluru organized two days orientation training programme to farmers /pesticide dealers at ICAR KVK gangavathi on 13 and 14th February 2024. The programme was inaugurated by M Srikant, President, District Pesticide dealer association, Gangavathi by lighting the lamp . He expressed in inaugural speech that IPM is the best combination of cultural, biological and chemical measures that provides the most cost-effective,

environmentally sound and socially acceptable method of managing diseases, insects, weeds and other pests. Dr.Alamgeer Siddiqui Joint Director (E), RCIPMC, Bengaluru explained that IPM is the careful consideration of all available pest control techniques and subsequent integration of appropriate measures that discourage the development of pest populations. It combines biological, chemical, physical and crop specific (cultural) management strategies and practices to grow healthy crops and minimize the use of pesticides, reducing or minimizing risks posed by pesticides to human health and the environment for sustainable pest management. Dr Raghvendra Yaligar ,Senior scientist and Head , ICAR KVK Gangavathi explained IPM of Paddy and Cotton and major growing crops of the region. Dr Paramesh D, Scientist (Plant Pathology) AIRCP,Rice, ARS, Gangavathi explained about diseases of paddy and importance of seed treatment in disease management. Dr. Vivek Uppar ,PPO(E), RCIPMC, Bengaluru explained that introduction to insecticide act 1968 and safe and judicious use of pesticides and knowledge of pesticides containers and precautionary measures to be followed in handlings of pesticides. Dr Basavraj Kadanavar, Assisstant professor (Agril Entomology), COA, Gangavathi explained about the IPM in chilli tomato and safe pesticides in TBP command area . More than 50 farmers and pesticide dealers were benefited the training programme.





Millet exhibition in Hampiutsav

Millets are the only crop that will address important issues in the future like food, feed, fuel, malnutrition, health, and Climate Change. Millets are the storehouse of nutrition and now they are known as Nutri-Cereals. Millets are unique in terms of nutrients and health benefits. With this view millet exhibition and mela was organised in Hampiutsav on 2-2-2024 to 4-2-2024. ICAR KVK Gangavathi exhibited millet technology stall on behalf of university of agricultural Raichur. Millet varieties released from UASR, cultivation technologies, processing and value addition technologies of millets were exhibited in the stall. Sri Diwakar DC Vijayanagar visited the stall and appreciated the technologies of university.

ICAR-KVK, KOTTAYAM

Entrepreneurship Development Programme in fish & fishery products

KVK Kottayam organised five days 'Entrepreneurship Development Programme in fish & fishery products' from 05.02.2024 to 09.02.2024 sponsored by ICAR-Central Institute of Fisheries and Technology, Cochin under SCSP. Forty participants from Kottayam and nearby districts participated in the certificate training programme. Sessions were conducted on of dried fishery products, battered and breaded products, fish pickle, hygienic handling and packaging of fish and fishery products, seafood waste management and high value product from secondary raw material, fish silage and fish feed preparation and entrepreneurship opportunities in fish and fishery products. Scientists and technical staff from CIFT handled the sessions. Hands on training on preparation of dehydrated milk products, frozen milk products, fermented milk products, coagulated milk products and value added products from fruits and vegetables were also conducted in the training programme. Sessions were also conducted on packaging, labelling and branding of products.





members and invitees attended the meeting. In continuation to the meeting, Dr.M J Chandre Gowda, Principal Scientist (Ag.Extn.) and Nodal Officer, KVK, ICAR - ATARI Bengaluru visited fields of various progressive farmers supported by KVK and guided to improve the activities by giving critical suggestions.

World Pulses Day Celebration

In connection with World Pulses Day celebration, KVK Kottayam organized awareness campaign at KVK campus on 13.02.2024. A session on 'Know your pulses-the super foods' was conducted for the DAESI participants. Dr.JishaAPrabha, SMS (Community Science) handled the session in the awareness programme. Brochures on 'Know your pulses' were also distributed to the beneficiaries.

Dr.Jisha A Prabha, Subject Matter Specialist (Community Science)

ICAR-KVK KOZHIKODE

Scientific Advisory Committee meeting organized

Twenty fourth SAC meeting of KVK was organized on 13.2.2024 at KVK Peruvannamuzhi. Dr.R.Dinesh, Director, Indian Institute of Spices Research, Kozhikode chaired the meeting. Dr.M.J. Chandre Gowda, Principal Scientist (Ag. Extn.) and Nodal Officer, KVK, ICAR - ATARI Bengaluru, Dr.Arathy Balakrishnan representing Director of Extension KAU, Heads of Divisions, Administration and Finance of IISR, representatives of various institutes and departments and farmer representatives attended the programme and deliberated upon ATR, activities and future programmes of KVK. Award winning farmers, Mr.K T Francis and Mr.Jojo Jacob were felicitated during the meeting. A few publications and products prepared by KVK were also released during the meeting. Dr.P Ratha Krishnan, Head, KVK coordinated the programme. A total of 35

Dr.P.S.Manoj, Subject Matter Specialist and **Dr.P.Ratha Krishnan**, Head

Field Day in connection with the harvest of ginger under FFS programme

Harvest of ginger and a field day in connection with Farmers' Field School on 'Disease free seed production of ginger variety IISR Vajra' was conducted on February 1, 2024. IISR Vajra is a new ginger variety, which is a clonal selection (Acc. 247) with bold and plumpy rhizomes, less fibre (5.67%) and high yield potential (26.38 t/ha). The FFS was conducted in AmbilerKarshikaKootayma at Mavatt, Arikkulam Gram Panchayat. Ginger plants



Field day on FLD on ginger



Glimpses of KVK SAC meeting



Release of publications



Glimpses of Animal Health campaign

of Vajra variety raised in pro trays were supplied to the group, which was then transplanted to growbags. Critical inputs like vermi compost, biocapsules (GRB 35 biocapsules and Trichocaps), micronutrient mixture for ginger were provided for the FFS programme. The field day was presided by Dr. P. Ratha Krishnan, Head and Principal Scientist, KVK. The programme was attended by forty participants, including KVK officials, representatives from Department of Agriculture and Farmers' Welfare and the participant farmers of the programme.

Dr.K K Aiswariya, Subject Matter Specialist and **Dr.P.Ratha Krishnan**, Head

Summer Care Practices for Milch Cows and Animal Health Campaign conducted

As part of NICRA initiative, an animal health campaign emphasising summer care practices of milch cows was organized at Kothode on 5.2.2024 along with the distribution of critical inputs to dairy farmers. Forty farmers actively participated in the

program. In the animal health campaign organized, twenty animals were examined for various health issues, ensuring the overall health and productivity of the livestock in the region

Mrs.Anjana K P, SRF and **Dr. P.Ratha Krishnan**, Head

Custom Hiring Centre inaugurated at NICRA village

A Custom Hiring Centre, housing a variety of machinery, was inaugurated at the NICRA village of Kothode on 12.2.2024 by Dr. M. Chandra Gowda, Principal Scientist and Nodal Officer ATARI Bengaluru. This initiative allows farmers easy access to machinery for their farm operations. A total of 20 farmers attended the programme. A bio-pharmacy with various bio products is also functioning along with Centre.

Mrs. Anjana K P, SRF, **Dr.P.S.Manoj**, Subject Matter Specialist and **Dr. P.Ratha Krishnan**, Head



Inauguration of Custom Hiring Centre



ICAR-KVK MALAPPURAM

Sensitizing on the essentiality for habitat-based conservation of Desi poultry

One days' capacity development programme was carried out for 40 farmers including rural women on Household poultry production, by Dr. Ibraheem Kutty (SMS – Animal Science). The sessions intended to promote poultry rearing in households, as a venture to enhance the availability of quality animal protein to the household members, to provide a supplementary income source and effectively utilize household food wastes. Besides realistic assessment of the feasibility and constraints of various types of poultry farming enterprises under Kerala situation, considering the scope and economic benefits, farmers were sensitized on the relevance of backyard poultry keeping, importance of Desi birds, imminent dangers of promoting cross bred poultry rearing under the backyard system inter mixed with Desi birds, essentiality of conserving desi strains of chicken, and the significance of habitat-based conservation. Different types of household poultry units such as open rearing, intensive system of rearing in specialized cages and semi-intensive rearing inside a protected roaming area around the cages – which is gaining popularity in the state were described comparing the advantages and disadvantages, feeding management to ensure balanced availability of nutrients under each system and detailing economic aspects as well.

SAC Meeting 2024 - Highlights

The 20th Scientific Advisory Committee (SAC) meeting of ICAR KVK Malappuram was held on February 14th, 2024. Following the invocation song of KAU Programme Coordinator Dr. Priya G. Nair, welcomed the gathering. The meeting started with the opening remarks by the Director of Extension, KAU, Dr. Jacob John and Dr. K. Thimmappa, Principal Scientist and Nodal Officer, ATARI Bengaluru delivered the key note address. Dr. Priya G. Nair presented the action taken report on the previous SAC meeting followed by the overall progress report of various activities carried out during the current year highlighting the salient technical achievements and a brief action plan proposed for the coming year. SAC members congratulated the KVK for the multitude of activities carried out during the short span of an year and there occurred very active and fruitful discussion pointing out constructive suggestions for improvement in the forthcoming season. Newsletters for the year 2023 in both English and Malayalam were released during the meeting by Dr. K. Thimmappa, Nodal Officer, ATARI and new prepared on various topics including Animal Husbandry, Millet-Ragi, Natural Farming, and Propagation Techniques of plants were released jointly by Dr. Jacob John, Director of Extension, KAU and Dr. Jayan P.R., the Dean of KCAET. Also millionaire farmer awardees from the district facilitated by the KVK, Shri. Abdul Latheef E. and Shri. Haridasan A.V. were honoured during the event.

The gathering included around twenty dignitaries including Dean, KCAET, ATMA Project Director, Professor and Head, ARS KAU, SAC nominee from KVASU, Director of FM Radio Manjeri – AIR, Representative of District Animal Husbandry officer, Kudumbasree, Programme coordinators



of KVK Palakkad and Thrissur, two Progressive farmers, an agri-entrepreneur and so on. Inauguration of newly started Tricho Card Production Unit, funded by NABARD, demonstration unit of Natural Farming and solar fencing unit were also carried out during the meeting conducted. In addition, an exhibition of products by agripreneurs, supported by KVK, was also arranged during the event. The meeting came to end by 2 pm with the final comments by the DE and concluding remarks by the Nodal officer. Dr. C. Ibraheem Kutty C., SMS Animal Science proposed vote of thanks.

Mushroom Value Addition Capacity Development Programme

A significant and enriching Entrepreneurship Development Program (EDP) was organized at KVK Malappuram on February 1, 2024, focusing on the value addition of mushrooms. The hands-on training session witnessed the active participation of thirty mushroom growers eager to enhance their skills in mushroom



processing. Under the guidance of Dr. Lilia Baby, Assistant Professor in Community Science, the training program showcased a variety of value-added mushroom products. The participants were introduced to the art of preparing mushroom cutlets, bhaji, pakoda, chutney powder, pickle, soup, instant soup mix, dried mushroom and mushroom flour. The session aimed to equip the attendees with practical knowledge and techniques to diversify their mushroom cultivation ventures.

Multi-Disciplinary Diagnostic Team (MDDT) visited for Black Pepper mother Vine Selection

In a collaborative effort to enhance the quality and yield of black pepper cultivation in the region, Dr. Akhilraj, a distinguished Subject Matter Specialist in Horticulture from the Krishi Vigyan Kendra (KVK) in Malappuram, led a Multi-Disciplinary Diagnostic Team (MDDT) on a crucial mission. Their objective is selecting the finest mother vines for the multiplication process at the State Seed Farm in Tavanur. Dr. Akhilraj's expertise in horticulture,





particularly in the cultivation of spices like black pepper, makes him a key figure in this endeavor. The MDDT, comprising experts from various fields related to agriculture, collaborated under his leadership to ensure a comprehensive evaluation process. As the team concludes its assessment and finalizes the selection of mother vines, the stage is set for the next phase of the journey: multiplication. Through continued collaboration and innovation, stakeholders in the agricultural sector are poised to unlock new possibilities for growth and prosperity in Kerala's farming communities. For farmers awaiting the results of this meticulous selection process, the promise of enhanced yields and superior quality in black pepper cultivation is a beacon of hope for a brighter agricultural future



ICAR JSS KVK MYSORE Technology week at KVK, Mysuru

ICAR JSS Krishi Vigyan Kendra, Suttur was organized Technology Week (Krishimela 2024) during February 6 to 11, 2024. The technology week was inaugurated by Shri Dinesh Gundurao, Minister for Health and Family Welfare, Govt. of Karnataka in the divine presence His Holiness Jagadguru Sri Shivratri Desikendra Mahaswamiji and Jagadguru Sri Adrishya Kadasiddheshwara Mahaswamiji of Kanneri Sri Siddhagiri Sansthan Math and other dignitaries. Technology Week (Krishimela) is popularly known as "Krishihabba". This year's Krishi Mela was organized under the theme 'Hani Hanigu Bharpoora Tene' (Bunch full of grains by drop-n-drop of water) to create awareness about water conservation among the rural folk.

Live crop demonstration: The Krishimela demonstrated to grow almost all crops in drip irrigation management technologies such as automation in irrigation, drip irrigation and sprinkler irrigation etc., Also, it was shown that cereals, pulses, especially paddy, which is the main crop of this region, can be grown under drip irrigation system. Demonstrations of traditional and modern farming practices were arranged to introduce farmers to important technologies in the field of agriculture. More than 350 crops such as cereals, pulses, oilseeds, other sources of agricultural income such as cash crops, fodder crops, various fruits, hydroponics under soilless farming, and horticulture crops including exotic vegetables, flower crops in shade house, sericulture were displayed

Expo of diversified Horticulture Crops: Under horticulture section, various vegetable crops, exotic vegetables, flower crops in Swastik design and in different layouts also were shown.

Special Attraction:The bullock cart in front of the Krishi Mela, the Govt. of India logo at the selfie point, Chandrayaan 3 were the center of attraction in the Krishi Mela. QR code scanning system has been arranged to get the detailed information for the farmer in each crop.

One Acre IFS Model:Integrated sustainable farming model at low cost keeping in mind the



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



Livestock

The display of desi breeds of cows (Punganoor, Kankrej, Eru, Saiwal etc.,) and also Bandur sheep, goat, chickens and mudhol dogs were showcased in the Krishi Mela livestock section. Different types of fish breeds that can be reared by the farmers were displayed.

Agri Expo

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



Seminar

An agriculture symposium on water management in agriculture was organized. Mr. A. Rajasekar, Executive Head of L Sal Irrigation Solutions Pvt., Bangalore and the progressive farmer of Maladevi village of Hassan district Mr. H.K. Manjunath spoke about water management in agriculture.

Dignitaries visit to Krishimela

Sri. N. Chaluvanarayana, Minister for Agriculture, Govt. of Karnataka visited to Krishimela and felt very happy about the live exhibition.

The Dr. V. Venkatasubramannian Director, ICAR



ATARI, Bengaluru visited to Krishimela and praised work done by the KVK staff.

Dr. S.V. Suresh, Vice Chancellor, University of Agricultural Sciences, Bengaluru visited to Krishimela and felt very much happy about the live crop demonstration.

Sri. Vittal B.V. Vittal, Executive Director, Corporate Office, National Fertilizer Ltd., Noida, New Delhi appreciated the work done by the KVK.

Laying Foundation Stone

At the same time, the foundation stone of the biopesticides manufacturing laboratory building at KVK was laid by former Chief Minister Shri Jagdish Shettar in the divine presence of His Holiness.



Felicitation to farmers

The 12 progressive farmers and 5 progressive farm women were facilitated during the seminar. At the closing ceremony of the Agricultural Symposium Shri N. Chaluvaryaswamy Minister of Agriculture, Government of Karnataka released brochures of crops.

Agriculture Quiz

An agricultural quiz has been organized for the farmers. In the final round 10 farmers were participated in the quiz competition and got the prizes.

Workshop on organic farming

Discussion on Organic Farming and Value addition



by Jagadguru of Sri Siddhagiri Sansthan Math, Kannary, Maharashtra organized a discussion on organic and value addition for the progressive organic farmers.

Preparations of 20 organic decoction were demonstrated for the management of various diseases, pests and nutrients in the crop. More than 500 progressive organically growing farmers



enthusiastically participated and got information. State Level Conference on Organic Farming, in collaboration with Organic Farming Solution, and Subhiksha Organic Farmers Multistate Cooperative Society Ltd. District level follow up meeting was done during this occasion. Mr. Anand, the convener of the society, discussed the steps to be taken on organic farming and the work to be done in the near future.

Rangooli and Sobane Competition

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

H.V. Divya Received Extension Leadership Award

Smt. H.V. Divya, Senior Scientist and Head (I/c) ICAR JSS KVK Suttur, Mysuru district was conferred with the prestigious Young Extension Services Leadership Award 2024 for her excellence in the field of seed production and agricultural research. She was given the award at the Industries Leadership Award 2024 ceremony organized under the aegis at Theni in Tamil Nadu recently.





ICAR-KVK PALAKKAD

A Two Day Capacity Building Programme on Bakery and Confectionary

A two-day capacity-building training on bakery and confectionary training was conducted on 10.2.2023 and 11.2.2023 at FPO Farm Net for the members of ChalisseryChakkakootam. The aim of the training was to enhance the skills of participants in various aspects of cake baking, with a special focus on diverse baking techniques and innovative recipes. Participants were introduced to fundamental concepts, including ingredient selection, measuring techniques and the science behind baking. Practical demonstrations enriched the theoretical knowledge, allowing for a hands-on learning experience. By the end of the two-day training, participants acquired a diverse set of skills in cake baking, ranging from the fundamentals to advanced techniques. The capacity building not only enhanced their existing knowledge but also encouraged creativity in exploring new recipes and flavors.

FLD on Management of Red Palm Weevil

Widespread incidence of the Red Palm Weevil in coconut palms in the Natukkal locality of Kozhinjampara Village, results in the loss of healthy bearing and non-bearing coconut palms. A Front



Line demonstration and training were conducted in the Muttimampallam area of Natukkal. The training focused on the use of pheromone traps to attract and kill adult weevils, with one trap per acre recommended, along with the application of Imidacloprid (1 ml/litre of water) at a rate of 1-2 liters per palm in severely affected areas. Following the demonstration, pheromone traps were installed and Imidachloprid chemicals were distributed to farmers in a cluster containing 40 acres of land in the Muttimampalam area of Natukkal as part of the demonstration.

ICAR-KVK PATHANAMTHITTA

Harvest Fest

Paddy Harvest festival as part of Farm Field School on "Integrated Crop Management (ICM) in paddy" was conducted on 7th February 2024 at Naranganam panchayat. Adv. Omallur Sankaran, President, Pathanamthitta district panchayath inaugurated the harvest fest. Farm Field School



(FFS) was conducted at Naraganam Panchayat in Elanthoor Block of Pathanamthitta district covering 7.8 ha area of PunnonPadashekaram. The FFS was conducted in convergence with Department of Agriculture Development and Farmers Welfare, Agriculture Technology Management Agency (ATMA), Pathanamthitta and IFFCO Technologies like soil test-based farming, use of green manure crop in paddy for maintaining soil health, means of seed treatment and ecofriendly pest and disease management using bio control agents like trichocards and pseudomonas were demonstrated. The major advantage of the FFS includes pesticide free crop and fungicide was sprayed only in disease affected areas. The production at FFS plot showed 10.63% increased yield compared to other areas in the same panchayat. The meeting was presided over by Mr. M.V Sanju, President, Punnon Patasekara Samiti. The keynote address was delivered by Dr. Vinod Mathew, Subject Matter Specialist, KVK, Pathanamthitta.

Natural Farming-Awareness programme

As part of awareness programme under Natural Farming project of Indian Council of Agricultural Research (ICAR), Govt. of India, in order to discuss on the benefits of Natural farming, three group meetings were organised on 29th Jan and 9th and 15th Feb 2024 at Parakode, Malappally and Pandalam blocks respectively in the district. Method Demonstrations on preparation and use of Natural farming inputs like Beejamrutha, Jeevamrutha and Neemasthrawere conducted. Training on the topic "Scope of Natural farming" was also organised to create awareness on principles of Natural farming. A total of 103 farmers participated in the programme

ICAR-KVK RAICHUR

Off Campus training programme on Integrated Crop Management practices in Oilseeds

ICAR-Krishi Vigyan Kendra, Raichur in collaboration with GKMS, MARS, Raichur organised an Off Campus training programme on "Integrated Crop Management practices in Oilseeds" at Sri. Parvateshwara Temple, Santhekalluru village of Maskitaluka, Raichur District. Dr. Ashok Hugar, Associate Director of Research inaugurated the programme and in his inaugural speech he informed to the farmers that, oilseed crops like groundnut and sunflower are the major crops





ICAR-KVK RAMANAGARA Capacity Building Programme on "Natural Farming"

ICAR-KVK, Ramanagara organized two days Natural farming capacity building programme on 02.02.2024 and 03.02.2024 at KVK, Chandurayanahalli, Magadi, Ramanagara district under "Out Scaling of Natural Farming project through KVK's". Dr. C. A. Srinivasamurthy, Retd. Professor of Soil Science & Agricultural Chemistry, UAS, G.K.V.K., Bangalore and Former Director of Research, Central University of Agriculture, Impal, Manipura participated as chief guest and highlighted that in order to achieve sustainability in natural farming the organic carbon plays an important role and to bring back life to the soil the organic carbon should be increased by 1 percent. Dr. Lata, R. Kulkarni, Senior Scientist and Head, in her inaugural address highlighted that KVK Ramanagara is continuously striving to reduce the dependency of farmers on chemical fertilizer application and it is promoting natural farming in all the possible ways. During the technical session on first day the natural farming program coordinator Dr. Dinesha, M.S., Scientist (Agronomy) briefed the importance and method demonstrated the four important principles bheejamrutha, jeevamrutha, mulching and vapasa. Dr. Rajendra Prasad, B.S., Scientist (Plant Protection) briefed the importance of pest management in natural

of this area growing in irrigated situation. Yield performance is less due to non-adoption of improved crop management practices. Hence, all the oilseed growers have to update their knowledge regarding adoption of improved varieties/hybrids, nutrient management practices and also adoption of improved pest management practices. Dr. Hanumanthappa Shrihari, Senior Scientist and Head, ICAR-KVK, Raichur delivered the lecture on pests of groundnut, their effective management, and he informed to the farmers that your continuous approach with the KVK is encouraging from our end to help you for upliftment of your income status.

Dr. Shreevani G.N gave information on doubling of farmers' income, which is by reducing the cost of cultivation by lessening the use of chemical fertilizers, chemical insecticides and further encouraging the use of bio-pesticides and plant based chemicals. The use of eco-friendly management approaches like use of pheromone traps, bio-agents etc.

Further, Dr. Basavanneppa M A, Professor & Head, Organic Farming Research Institute encouraged the farmers to take up subsidiary occupations like poultry, sericulture, fisheries, animal husbandry, sheep and goat rearing etc to get additional income apart from regular income. The programme ended with vote of thanks by the anchor of the community Radio station of UASR





farming and method demonstrated neemasthra, bramhastra, agnihasthra, use of sour curd and Shuntiastrha. On second day Dr. Zahir Pasha, Assistant Professor, Department of Plant Pathology, UAS, G.K.V.K., Bangalore explained about the disease management in natural farming. Mr. Chandrashekar, Muguthihalli, Chikkamagaluru and Mr. Shivakumara, Santhamaranahalli, Chamarajanagara, Progressive farmers of Natural farming shared their experiences about natural farming. Dr. Sowjanya, S. Scientist (Agricultural Extension), Mrs. Preethu, D.C., Scientist (Soil Science), Mrs. Uma Rani, K., Staffs, more than 40 registered farmers/ farm women were participated in the programme and were benefitted.

Dr. Dinesh M.S, Dr. Lata R. Kulkarni, Dr. Sowjanya S.

ICAR-KVK Ramanagara organised animal health camp

ICAR-KVK, Ramanagara in collaboration with Department of Animal Husbandry and veterinary Science, Magadi (t) and BAMUL, Magadi camp



and Solur camp organised two days animal health camp on 09.02.2024 at Hakkinalu colony under SCSP Special programme and 13.02.2024 at Hakkinalu Village under UAS, Bangalore adopted village programme. Dr. Jyothi, Veterinary Doctor, Department of Animal Husbandry and veterinary Science, Solur Hobli and Dr. Shivaleela, BAMUL, Solur Camp vaccinated the Cattles, Sheep and Goats with vitamins, deworming, FMD, Mastitis, Lumpy disease, Poultry pox etc. and diagnosed the health condition of pregnant cattles. During the first camp Dr. Shankar, B.P., Scientist (Poultry) IAHVB, Hebbal treated the infected poultry birds distributed under SCSP programme and Dr. Rupa, BAMUL Magadi Camp treated Cattles and Sheeps. During the second camp Dr. Jagadish, Retd. Branch Manager and Joint director, BAMUL, Magadi (t) treated the Gyne cases of cattle. Also during the camp Calcee forte mix, tikout, Vetade, deworming tablets, ointments, Max kid tablet, F1 vaccine etc. was distributed. Dr. Rajendra Prasad, B.S., Scientist (Plant Protection and Dr. Sowjanya, S., Scientist (Agricultural Extension), Department and KVK Staffs, more than 120 farmers/ farm women participated and more than 150 of cattles, poultry birds (more than 500), Sheeps and Goats (more than 100) was treated and vaccinated.

Dr. Rajendra Prasad B.S. and Dr. Sowjanya S



ICAR-KVK SHIVAMOGGA

Field day on Integrated Crop Management in Black Pepper

ICAR- KVK Shivamogga organized a field day on integrated crop management in Black Pepper on 01.02.2023 at Chikkanakoppa village of Hosanagara taluk. Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga inaugurated and briefed about importance of Integrated nutrient management and micronutrient in black pepper for better yield. Chief Guest of the programme Dr. B. C. Hanumantha Swamy, Associate director of extension, KSNUAHS, Shivamogga explained effect of climate change on crop growth and incidence of major pest and diseases. Dr. G. K. Girijesh, Senior Scientist and Head, presided our programme and shared his opinion about cultivation practices and importance of mixed cropping in time of climate change.

Progressive farmers Mr. Raghavendra Rao and Mr. Jayaram shared their opinion with fellow farmers on adoption of ICM in black pepper and positive changes observed by them by use of bioagents, biofertilizer, pepper special and proper management of pest and diseases in claiming higher yield, seed setting and reduced incidence of pest and disease. Dr. Girish, R., Scientist (Plant protection), KVK, Shivamogga participated as a resource person and delivered a detailed lecture on ICM in Black pepper and interacted with the farmers.

This programme was also attended by officials of Karnataka State Department of Agriculture and Horticulture. A total of 70 farmers and farm women participated and benefited from the programme. Programme was anchored by Dr. Bharathkumar M. V., Scientist (Horticulture) and organized by Dr. Anjali, M. C., Scientist (Soil Science), KVK, Shivamogga.

Dr. G. K. Girijesh (Senior Scientist and Head) and **Dr. Anjali, M. C.** (Soil Scientist)

ICAR-KVK THRISSUR Zonal Women Agripreneur Conclave 2024

The necessity of women agricultural entrepreneurs in India extends beyond economic empowerment, impacting agricultural productivity, and gender equality. Empowering women as agripreneurs bolsters their economic independence, boosts productivity, and ensures food security. These women drive agricultural diversification, introducing innovative practices, and fostering rural development. Encouraging women in agriculture challenges gender norms, promoting equity, and facilitating the adoption of modern technologies. It also leads to a robust agripreneurial ecosystem, environmental sustainability, and a focus on health and nutrition. Fostering women agripreneurs is crucial not just for social justice but also for the sustainable development of the agricultural sector and the nation. The Zonal Women Agripreneur Conclave 2024, a collaboration between ICAR-ATARI Bengaluru and Kerala Agricultural University (KAU) from January 20-21, 2024, in Thrissur, Kerala, showcased women's enduring spirit and their significant contributions to agriculture in India. The conclave convened approximately 250 women agripreneurs and delegates from 48 Krishi Vigyan Kendras (KVKs) within ATARI

Zone XI. The event was inaugurated by Sushri. Shobha Karandlaje, Union Minister of State for Agriculture and Farmers' Welfare & Food Processing Industries, who also unveiled the plaque for the Farmer's Hostel Building at ICAR KVK Kottayam and ICAR KVK Palakkad. Dr. B Ashok IAS, Vice-Chancellor of Kerala Agricultural University, delivered the welcome address and presidential speech. Shri. P. Prasad, the Minister of Agriculture in Kerala, delivered a special address online, while Adv. K. Rajan, the Minister for Revenue and Housing in Kerala, gave a special address and released a video showcasing the achievements of Women Agripreneurs in Kerala. Dr. V. Venkatasubramanian, Director of ICAR ATARI Zone XI, Bengaluru, released the 'Directory of Women Agripreneurs mentored by KVKs of Kerala, Karnataka, and Lakshwadweep'. Ms. Geetha Saleesh, an agripreneur, was honored by Sushri. Shobha Karandlaje. The event also included acknowledgments from Smt. Indira Mohan, President of Madakkathara Panchayath, Prof. V. Palanimuthu, Director of NIFTEM, and Dr. Madhu Subramanian, Director of Research, KAU. Dr. Jacob John, Director of Extension, KAU, delivered the vote of thanks, concluding the event.

The second day of the Zonal Women Agripreneurs Conclave featured a technical session chaired





by Dr. Sreevalsan J. Menon, Professor at KAU, and co-chaired by Dr. Jayalakshmi, Professor and Head, KVK, Kottayam. Dr. P.B. Pushpalatha, Former Registrar of KAU, moderated the session, and the speakers included Sri. Sebin Antony, AGM, NABARD, DDM Thrissur; Dr. Jomy Jacob, Project Leader at SFAC, Kerala; and Mr. Chacko Thankachan, General Manager of Navya Bakery and Coffee Shop, Thrissur. In Session 1, Sri. Sebin Antony discussed institutional interventions for agripreneurs, emphasizing agripreneurship's role in increasing income and integrating smallholder farmers into markets. He highlighted challenges in agricultural lending and the importance of schemes like Priority Sector Lending (PSL) and the Agri Infrastructure Fund. Session 2, led by Dr. Jomy Jacob, focused on SFAC's schemes to support agripreneurs in Kerala, emphasizing subsidies for Micro, Small, and Medium Value Addition Enterprises (MSMEs) and support for Farmer Producer Organizations (FPOs). Examples of successful MSME units were provided to illustrate the practical application of these schemes. Session 3 showcased Navya Bakery and Coffee Shop, emphasizing its mission, vision, core values, and commitment to quality and innovation. Dr. Jayalakshmi and Dr. Sreevalsan J. Menon praised the financial support and quality measures discussed, hopeful that women agripreneurs will scale up production. The conclave facilitated

knowledge exchange and explored opportunities for women in agriculture. The valedictory session of the Zonal Women Agripreneurs Conclave was a momentous occasion, presided over by Dr. V. Ventakasubramanian, ICAR ATARI Director. Dr. Jacob John, Director of Extension delivered the welcome address, setting the tone for the session. The keynote address was delivered by Dr. Jiju P Alex, Professor, former DE, KAU and member of the planning board, while Dr. Jayasree Krishnankutty, Professor and former DE, KAU, provided a special address. Dr. Aneena ER, SMS, KVK Thrissur, concluded the session with a vote of thanks. The exhibition of the Zonal Women Agripreneurs Conclave showcased women agripreneurs' innovation, entrepreneurship, and achievements, offering a platform to display products, share success stories, and engage with a diverse audience. It featured agricultural produce, value-added products, innovative practices, and networking opportunities, facilitating direct market access for participants to sell their products. The conclave's recommendations include advocating for improved financial access, focusing on skill development, promoting technology adoption, creating market linkages, advocating for supportive policies, and establishing networking opportunities to support women agripreneurs in thriving and succeeding

ICAR-KVK TRIVANDRUM Green Jail - KVK Interventions

While every prison is a chance for countless convicts to rehabilitate and reform, an open Jail situated just about 35 km away from Thiruvananthapuram in a serene and breezy hill of Nettukaltheri is bringing out the true essence of reformation through their different programmes. With 200 acres of rubber plantation, 20 acres of vegetable cultivation, a dairy farm, a goat farm and even a check dam for irrigation purposes and freshwater fish cultivation, this open jail is the highest income generating jail in Kerala. Prisoners with good conduct are selected from the central jails across the state are residing here and participating in crop cultivation. A group of 50 inmates have been deployed daily to take care of the cultivation of different agricultural crops like banana, vegetables, coconut and spices. Vegetable cultivation includes spinach, cauliflower, long beans, chillies, brinjal, bitter gourd, bottle gourd etc. With support of Khadi Board participants are actively involving in honey bee rearing and producing 300 kg honey annually.

Team from KVK Trivandrum led by Senior Scientist & Head visited open jail on September 2023, and provided technical support for mushroom cultivation. During the visit, Jail Agricultural Officer discussed the problems faced by the

inmates in banana and vegetable cultivation in the field. KVK addressed the reported problems with interventions like FLD on pest and disease management using KAU Bio control mix, management of fusarium wilt in cowpea using ICAR-Fusicont, nutrient management of banana using KAU Sampoorana and OFT on assessment of CMV resistant varieties of chillies. With support of Jail Agricultural Officer, Shri. Ajith Singh, the inmates adopted the technologies and yield of the crops was substantially increased without much use of chemical pesticides. A field day was organised with the inmates which was inaugurated by Jail Supervisor, Sri Athul P. Sessions on Integrated crop management and pest and disease management of different crops was handled by Subject Matter Specialists of Horticulture & Plant Protection during the field day celebrations.

The work done by the inmates in Nettukaltheri has not only benefited the environment and the society to a large extent but also gives the inmates the courage, skill and the savings to start a new life after serving their time





ICAR-KVK TUMKUR I Inauguration of Terrace garden and Crop museum block

ICAR-KVK-Tiptur, Tumkur-1 Established Terrace garden and Crop museum block at KVK premises. Dr. Suresha, S.V., Honorable Vice Chancellor of University of Agricultural Sciences, GKVK, Bangalore, Dr. Madhuprasad, V.L., Director of Extension, University of Agricultural Sciences, GKVK, Bangalore, and Dr. D.V., Kolekar, Scientist, ATARI, Bangalore, along with the dignitaries and progressive farmers inaugurated the Terrace garden demo and Crop museum block at KVK premises. In this Terrace garden planted different types of medicinal crops, spices, fruit crops, vegetable crops, flower crops in grown bags

and vertical garden were established. During this occasion Dr. Keerthishankar, K., Scientist (Horticulture) explained about the importance of terrace garden for urban areas. The crop museum block was established in 01 acre consisting more than 45 different types of Horticulture and Agriculture crops. The Terrace garden and Crop museum block provide immense support for conduction of training programme, skill teaching and demonstration of modern crop production techniques in horticulture and agriculture crops. In this programme KVK staff, department officials and farmers were participated.

Dr. Govinda Gowda V., Senior Scientist and Head, **Dr. Keerthishankar K.**, Scientist (Horticulture) and **Dr. Nityashree K.**, Scientist (Home Science)



ICAR- KVK TUMKUR II

Integrated Farming within Horticulture-based cropping systems

A captivating guest lecture on Integrated Farming within Horticulture-based cropping systems took center stage at the Kisan Gosthi event, meticulously organized by the Department of Agriculture on February 3rd, 2024. Held at Gurugunda Bhrameshwara Swamy Fair in Pattanayakanahalli village, Sira taluk, the event drew notable figures, including Shri. N. Chaluvarya Swamy, the esteemed Agriculture Minister of GOK, who graced the occasion as the chief guest and ceremoniously inaugurated the program.

Mr. Prasanth JM, Subject Matter Specialist in Horticulture, delivered an enlightening discourse on Integrated Farming tailored specifically for farmers and farm women. The lecture shed light on innovative approaches within the realm of horticulture-based cropping systems, offering valuable insights and strategies to enhance agricultural practices.

The event witnessed an impressive turnout, with over 900 participants hailing from Tumakuru district, alongside esteemed department officials. Their active engagement and participation underscored the significance of such gatherings in fostering knowledge exchange and driving agricultural advancements within the community

ICAR-KVK UDUPI

Scientific Advisory Committee Meeting

Seventeenth Annual Scientific Advisory Committee Meeting was held at ICAR-KVK, Udupi on 7th February 2024 at KVK Training Hall. The session was inaugurated by Dr. D. V. Shrinivasa Reddy, Principal Scientist and Nodal Officer, Agriculture Technology Application Research Institute (ATARI), Zone XI, Bengaluru. In his inaugural address he emphasized on reaching the technologies out to farmers in order to enhance yield and farm income. The session was chaired by Dr. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga. Dr. Dushyant Kumar, Director of Research, KSNUAHS, Shivamogga was chief guest. All the SAC members including farmers representatives were also present during the occasion.

Dr. Dhananjaya B., Senior Scientist and Head, KVK Udupi welcomed the gathering and briefed on action plans of the previous year and action taken. The





Head also reported on the various activities that took place in the KVK on campus and off campus during the reporting period. The officials of line department and farmers raised current issues and field problems in farming practices. Based on this, new technical proposals for next season were proposed to address the ongoing issues. The meeting concluded with several proceedings and resolutions to be addressed as action plans for the following year. Dr. Naveen, N.E., compeered the program while Dr. S. M. Jayaprakash, thanked the gathering.

Workshop and Demonstration on Spraying of Foliar Nutrients and Neem oil on Groundnut and Coconut crop using Agriculture Drone

Keladi Shivappa Nayaka University of Agricultural & Horticultural Sciences, Iruvakk, Shivamogga (Directorate of Extension), Indian Council of Agricultural Research, New Delhi, ICAR- Krishi Vigyana Kendra , Brahmavara, in Association with Karnataka State Department of Horticulture, Kundapura and Raitha Siri, Raitha Seva Okkuta, Uppunda sponsored by Kambadakone Raitha Seva Sahakari Sangha (Ltd) Uppunda organized "Workshop Cum Demonstraion on Spraying of Foliar Nutrients and Neem oil on Groundnut and Coconut crop using Agriculture Drone" at Nagooru and Bijoorucluster villages, Byndoor taluk Udipi Dist. on 13.02.2024 and 14.02.2024.

Dr. Naveen N. E, Scientist (Agronomy) ICAR- KVK, Brahmavar, explained in details about the importance of Drone in Agriculture and benefits of adapting new technologies in Agriculture in



upcoming years in his introductory speech and also welcomed all the delegates and farmers gathered during the programme. Shri S Prakashchandra Shetty, President, Kambadakone Raitha Seva Sahakari Sangha (Ltd), Uppunda, inaugurated the programme by lightening the lamp. In his speech he opined that, farmers should adapt the new research outcomes and technologies in their agriculture to improve the crop yield and also the status of their own.

Dr. B Dhananjaya, Senior Scientist & Head, ICAR- KVK Brahmavara presided over the programme. In his speech he spoke about the benefits of adapting the Drone in Agriculture for plant protection activities and ultimately to reduce the health hazards while handling the pesticides. Dr. Lakshmana, Associate, Director of Research, ZAHRS, Brahmavara, Shri K.J Nidheesh Holla, SADH, Dept of Horticulture, Kundapura, Shri Suresh Shetty, Director, KamdakoneRaitharaSeva Sahakari Sangha [(Ltd) Uppunda, Shri Ramachandra Navada, Progressive farmer were the chief guests of the programme.

Dr. Sachin U. S Senior Research Fellow, KVK Brahmavar narrated the programme and Shri Eshwar Nayak, Agriculture Assistant, Kambadakone Raitara Seva Sahakari Sangha (Ltd) Uppunda also present during the programme. After the programme spray demonstration of Nutrients & Neem Oil solutions were conducted in an area of 100acres groundnut, and 25 acres coconut crops.

Dr. Sadananda Acharya S, Scientist (Fisheries)





ICAR-KVK UTTARA KANNADA Coconut Tree climbing and cleaning training programme

ICAR - Krishi Vigyan Kendra Sirsi, Coconut development Board Bengaluru and AVP Farmer Producer Organization, Kumta jointly organized 6 days training program on "Coconut tree climbing and cleaning" from 23.01.24 to 29.01.24 at Kumta. The training program was inaugurated by Dr. B. S. Jagginavar, Professor and Head, ARS Kumta in presence of Mr. Harish D. K, Scientist (Horticulture); Dr. B. C. Kolhar, Sr. Technical Officer, KVK Sirsi; Mr. Ganapati S Naik, Head of AVP, FPO, Kumta. Twenty young farmers were trained for coconut tree climbing through machine with an aim to develop a professional group of youth under FOCT (Friends of Coconut Tree) training program for harvesting and plant protection operations in coconut. Guest lectures on ICM, INM, IPM, IDM and intercropping in coconut were discussed with the participants by various resource persons. Information on Social security, Insurance, Savings and provident fund regarding banking and management sector was organized by Dr. G. V. Hegde, Retired SBI Manager, Murur, Kumta. Master trainers S. V. Gouda and Harish Gadiga trained coconut climbing to the participants using machine. During Valedictory

session, coconut climbing machines were distributed to the participants by Dr. Yashaswini Sharma, Scientist (Horticulture), KVK, Sirsi in presence of Sri Ravi Mahadev Hegde, Progressive Farmer, Kumta; Sri. S. V. Hegde, retired ADA; Sri C. M. Patgar, retired AO and Sri. Ganapati S. Naik, Head of AVP FPO, Kumta. Trainers felt that the coconut tree climbing by using machine was easy, less energy consuming and they can climb more number of trees in a day than traditional method

ICAR-KVK VIJAYAPURA-I Skill development training for "Krishi Sakhi"

ICAR-KVK Vijaypur-1 has organized 6 days on campus training programme called "Krishi Sakhi" for Community resource persons working at Panchayat level. This programme was sponsored by Zilla panchyath, Vijayapur district. The training was organized from 5-10th February, 2024. The training was inaugurated by Dr. Bheemappa.A, Dean(Agri.), AC,Vijayapura. In the training, around 61 Community women resource persons were participated and got benefited. The inaugural session was also witnessed by Dr. R. B. Belli, ADE, Vijayapur Dr.S.S.Sajjan, ADR, RARS,Vijayapura, Mr. Vishwanth, Scheme Supervisor, ZP office Vijayapur, Dr. S. M Vastrad, Senior Scientist and Head, KVK Vijayapur. All the Scientific staff from KVK and College of Agriculture, Vijaypur were delivered the lectures on scheduled topics.





ICAR-KVK VIJAYAPURA-II

Field day on Dicoccum wheat variety DDK-1029

ICAR-KVK, Indi (Vijayapura-II) organized field day on dicoccum wheat variety DDK-1029 in Shri Santhosh Biradar field at Hirebevanoor village of Indi Tq. KVK Indi distributed the DDK-1029 seeds and other materials to 10 farmers from different villages to conduct Front line demonstration for the year 2023-24 under leadership of Dr. Prakasha G., Scientist (Agronomy). Scientist welcomed all the farmer to the field day and explained about the programme, dicoccum wheat variety suitable for black soil and it belongs to Dicoccum family, locally farmers were named it as sadaka or kapali. It matures in 105-



110 days and most suitable for chapathi and rava making. Plant grows upto 150-160 cm and slightly resistant to rust disease. Due to its high fibre content diabetic patients were most preferred. Shri Santhosh Biradar adopted technologies informed by the scientist and cultivated dicoccum wheat in black soil during second fortnight of October and he expected an average yield 14-18 q/acre and also he noticed minimum incidence of rust disease in his field. Around 30 farmers were witnessed the event.

Celebration of International Pulse Day

ICAR-KVK-Vijayapura-I celebrated International Pulse Day on 10th February 2024 at KVK Vijayapura-I with theme "Pulses: Nourishing soil and people". Dr. Shilpa V Chogatapur, SMS (Agronomy) highlighted the significance of pulses With the slogan #Love Pulses for a healthy diet and planet and crucial role pulses in sustainable agriculture practices. Their nitrogen-fixing ability and water efficiency contribute to soil health and environmental sustainability. Dr. S. M. Vastrad, SSH, KVK Vijayapura delivered the significance of pulses, such as pigeonpea, greengram and chickpea in enhancing global food systems. Dr. H. T. Prakash, Scientist (Entomology) briefed about the contribution of pulse towards the agricultural economy, supporting farmers and rural communities. Smt. Shweta A Mannikeri, highlighted nutritional profile of pulses and presented the vote of thanks. around 48 participants participated in celebration



Field day on Rabi Sorghum

ICAR-KVK, Indi (Vijayapura-II) organized field day on rabi sorghum in Shri Shashikant Kulakrni field at Baragudi village of Indi Tq. KVK Indi distributed the three varieties (M35-1, SPV-2217 and Phule revati) of sorghum seeds and other materials to 06 farmers from different villages to conduct On Farm Testing for the year 2023-24 under leadership of Dr. Prakasha G., Scientist (Agronomy). Majeed G (Technical officer) welcomed all the farmer to the field day programme.



Dr. Shivashenkaramurthy M., Senior Scientist and Head, briefed about the KVK mandatories and urged to farmers to practice integrated farming system for higher yield as well as balancing the soil health during his inaugural speech. Dr. Prakasha G., Scientist (Agronomy) event organizer explained the sorghum variety phule revati gives higher grain and fodder yield as compared to local variety M35-1 and this variety has bold seeds, shiny and attractive and fetch higher market price. Phule revati found resistant to stem borer incidence over local variety. Shri Shashikant Kulakarni shares his views on cultivating the sorghum crops and expecting yield 12-15 q/ acre based on the information given by the scientist. Around 50 Progressive farmers were attended the event.

Dr. Prakasha G., Scientist (Agronomy)

Watermelon and Grape field visit

On February 12, 2024, ICAR-KVK, Vijayapura-II scientists (Horticulture and Agronomy) conducted a follow-up visit to the IDM watermelon field at Rugi village. They observed symptoms of powdery mildew and bud necrosis that can significantly impact yield and quality and given suggestions. Additionally, they visited a grape orchard where they noticed berry rot and mummification, and recommended control measures.





The next day, on February 13, the scientists revisited the IDM watermelon field, this time at Ingalgi, where they observed wilt disease in watermelon plants. Wilt diseases are typically caused by soil borne pathogens like Fusarium fungi, which infect the plant's vascular system, leading to wilting and eventual death. Management strategies for wilt diseases often include crop rotation, soil fumigation, the use of resistant varieties and drenching with fungicides (Roko-2g/lit /Kocide 2g/lit). Also visited grape orchard. In the grape orchard, the scientists took a more proactive approach by measuring the Total Soluble Solids (TSS) of the grape berries using a refractometer. TSS is a crucial parameter for assessing fruit ripeness and sweetness, which directly impact grape quality and market value. By recommending the application of Sulphate of Potash (SOP), the scientists aimed to optimize TSS levels, thereby enhancing the grapes quality and marketability.

Smt. Heena M.S., Scientist (Horticulture)



ICAR-KVK WAYANAD

One day training programme on Vegetable cultivation

KVK Wayanad conducted one day training on Vegetable cultivation for farmers from Thiruvallur panchayath, Thodannur Block, Kozhikode District. In this event, classes were lead by Smt. Alaka S Balan, SRF, KVK Wayanad. Topics on Vegetable cultivation and pest and disease management were explained in detail.

Mikavutsavam exhibition

ICAR KVK Wayanad participated in two days 'Mikavutsavam' exhibition conducted by Education department at GHS Beenachi. KVK Wayanad set up an exhibition stall at GHS Beenachi. Bio control products of KVK, entomopathogens, biofertilizers, nursery plants and important banners on natural farming, millets and blowups of major pest and diseases and their management were displayed.

DAESI training

KVK Wayanad conducted DAESI Training for input dealers collaborated with MANAGE Hyderabad and ATMA Wayanad. In the event, classes were lead by Dr. Vineeth Vijayan, Assistant Professor, College of Agriculture, Ambalavayal. Topics like diseases of cucurbits and solanaceous crops and their management were covered. 34 input dealers actively participated in the event





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