



KVK TIMES

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

Vol 02 Issue 08, 16-31 October 2023



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

☎ 080-23510616, 080-23410614; 📍 MRS, H.A. Farm Post, Bengaluru – 560 024 Karnataka , 🌐 www.ataribengaluru.icar.gov.in

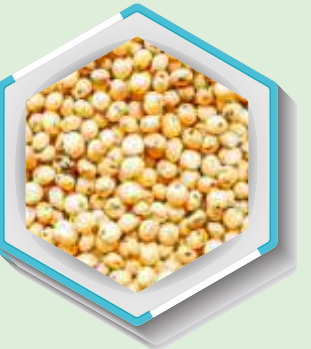
ICAR - Krishi Vigyan Kendra

☎ 08226-297050, 94498 66933, 📍 Haradanahalli Farm, Satyamangala Road, Chamarajanagara District, Karnataka-571 127

🌐 www.kvkchamarajanagar.com

Chamarajanagara

A Land of Diversified Agriculture



Website : www.uasbangalore.edu.in
E-mail : vc@uasbangalore.edu.in
vcuasb1964@gmail.com

Off. : 080-23332442
: 080-23330153 (Extn. 265)
Mob. : 9449866900
Fax : 91-080-23330277



UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE

Dr. S. V. SURESHA
Vice-Chancellor

Gandhi Krishi Vignana Kendra
Bengaluru-560 065



PREFACE

ICAR Krishi Vigyan Kendras are functioning as a science based institution, growing leaps and bounds in nearly every district across the country. The focus on using science to help farmers by introducing new technologies and sharing knowledge.

One exemplary KVK in Karnataka is in Chamarajanagara, addressing the issues of farming community in a seamless manner by performing its mandated and core activities effectively in the district aided with the support of instructional farm and demonstration units that make KVK, a knowledge resource centre.

The vision of ICAR, ATARI, Zone XI to document the efforts of KVKs in enriching the socio-economic status of farmers through “KVK TIMES” is well appreciated. This initiative serves as a platform through which each KVK can learn from the working modules of others. I congratulate ICAR KVK Chamarajanagara for bringing out this document for the period second fortnight of October, 2023.

My best wishes to all the KVKs, Director of Extension and ATARI – Zone XI for their continued commitment to fulfilling their responsibilities in serving the farming community.

(S. V. Suresha)



UNIVERSITY OF AGRICULTURAL SCIENCES BANGALORE

Directorate of Extension, GVKK
Bangalore-560 065, Karnataka

Director of Extension



PREFACE

Krishi Vigyan Kendra's are the knowledge resource farm science centres functioning as one stop solution for agriculture and allied sectors working towards dissemination of region specific scientific technologies in collaboration with line departments to meet the needs of farmers and extension personnel.

The contribution of KVKs towards achieving livelihood security of farming community is remarkable. In view of changing climatic scenario, KVKs are not being restricted to the region specific technologies, the sharing and dissemination of relevant technologies obtained from other exclusive sources to the farming community becomes pertinent. Therefore, documentation of various extension activities of each and every KVK in one platform acts as a single point of reference to learn about the different events of various KVKs within ATARI Zone XI, Bengaluru.

In this contest, KVK e-news letter is an innovative way to document the significant achievements made by each KVK in serving the farming communities of their respective districts. This serves as a platform for cross learning and sharing of knowledge and skills among different KVKs.

With this, I appreciate the efforts of Senior Scientist ad Head of ICAR-KVK, Chamarajanagara district and entire team in bringing out fortnightly e-news letter for second fortnight of October, 2023.

(V.L.Madhuprasad)
Director of Extension



ICAR-Agricultural Technology Application Research Institute, Zone XI

भा.कृ.अनु.प.- कृषितकनीकीअनुप्रयोगअनुसंधानसंस्थान, जोन XI

MRS, HA Farm Post, Hebbal, Bengaluru 560 024

एम.आर.एस, एच.ए. फार्मपोस्ट, हेब्बाल, बेंगलुरु ५६० ०२४

Fax: +91-80-23410615

Email: director.ataribl@icar.gov.in

Dr. V. Venkatasubramanian

डॉ।वी।वेंकटसुब्रमण्यन

Director

निदेशक



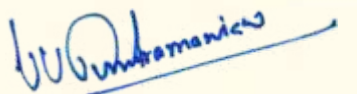
MESSAGE

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

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

I am happy that KVK Chamarajanagara is bringing up the 8th issue of Second volume of KVK TIMES covering the 2nd fortnight of October 2023. I congratulate the KVK fraternity of Zone XI specially Dr. Yogesh. G.S, Senior Scientist and Head and his team of KVK, Chamarajanagara for bringing out this unique edition of KVK Times.

Bengaluru


(V Venkatasubramanian)

Phone. No.: +91-80-23410614(O)
+91-80-28567456 (R) Mobile: 9787668282

Email : atari.bengaluru@icar.gov.in
<https://ataribengaluru.icar.gov.in>



University of Agricultural Sciences, Bangalore
ICAR Krishi Vigyan Kendra, Haradanahalli Farm
Chamarajanagara – 571 127
Ph: 08226 – 297050, Mob: 9449866933

Email: kvkchnagara@gmail.com web: <http://www.kvkchamarajanagar.com>

Dr. Yogesh. G.S
Senior Scientist and Head



ACKNOWLEDGEMENT

I feel privileged and proud to compile and edit the 8th issue of Volume II of KVK Times for the second fortnight of October from 16-31, 2023 which showcases the activities of KVKs of Zone XI in one platform.

I sincerely acknowledge the constant advice and support furnished by Dr. S. V. Suresha, the Hon'ble Vice-chancellor of the University of Agricultural Sciences, Bengaluru, in overall progress of KVK and effective implementation of KVK activities.

I whole heartedly thank Dr. V. L. Madhuprasad, Director of Extension, University of Agricultural Sciences, Bengaluru for his timely guidance, technical support and encouragement to carryout KVK activities successfully and to make our service reach the farming community.

I extend my ardent gratitude to Dr. V. Venkatasubramanian, Director, ATARI Zone XI, Bengaluru for his inspiration, encouragement and backstopping to serve the farming community to the best of our capacities and bringing out this remarkable document.

I would also like to thank Dr. K. Thimmappa, Principal Scientist, ATARI, Bengaluru and Nodal Officer, KVK, Chamarajanagara District for his support, critical suggestion and valuable guidance in bringing out this edition of KVK times.

I sincerely acknowledge all 48 KVKs of Zone XI for their efforts in sharing the requisite information in time which helped to precisely compile and bring out the final edited issue of KVK times during this period.

I thank wholeheartedly my entire team of KVK, Chamarajanagara for their valuable suggestions in bringing out this issue effectively and continuous support in day to day activities of KVK.

Senior Scientist and Head
ICAR-KVK, Chamarajanagara



Millets - Miracle Crops

Millets are gaining importance as the health awareness and concern are increasing among the people owing to health risks that are aggravating as a result of imbalanced diet. Now, with a theme of “Healthy Millets, Healthy People” we are celebrating International Year of Millets. Millets including sorghum, pearl millet, finger millet, foxtail millet, proso millet, little millet, barnyard millet and kodo millet are becoming solution to address many health issues like diabetes, cardio vascular diseases, anemia, malnutrition, constipation, blood pressure, obesity and cancer, irrespective of the different age group across the world. Since past years, these millets are important crops in the semi-arid tropics of Asia and Africa with highest millet production in developing countries. Millet crops are considered as miracle crops as they are grown in harsh environments where other crops grow or yield poorly. They are grown with limited water resources and usually without application of any fertilizers or other inputs by a multitude of small and marginal farmers. And are mostly consumed by poor and marginal groups and believed to be “poor people’s crops” in earlier days. They are not usually traded in the international markets or even in local markets in many countries. The farmers seldom, therefore, have an assured market in the event of surplus production and the crop is favored due to its productivity and short growing season under varied climatic conditions.

With growing concerns of life style diseases coupled with ‘refined’ diet culture, nowadays the consumers are slowly, but increasingly looking at the nutrient rich millets as a suitable alternative to wheat and rice. With the COVID -19, momentum picked up and both the urban and rural consumers are choosing millets for improving their nutrition & strengthening their immunity. In order to encourage production and consumption of millets, Government of India notified millets as Nutri-Cereals in April, 2018, which includes sorghum, pearl millet, finger millet, minor millets namely, foxtail millet, proso millet, kodo millet, barnyard millet and little millet. To create domestic and global demand and to provide nutritious food to the people, Government of India had proposed to the United Nations for declaring 2023 as International Year of Millets (IYoM-2023). The proposal of India was supported by 72 countries and United Nations General Assembly (UNGA) declared 2023 as International Year of Millets on 5th March, 2021. With this background, the year 2023 has been announced as the International Year of Millets and support will be provided for post-harvest value addition, enhancing domestic consumption and branding of millet products nationally and internationally.





KVK TIMES

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

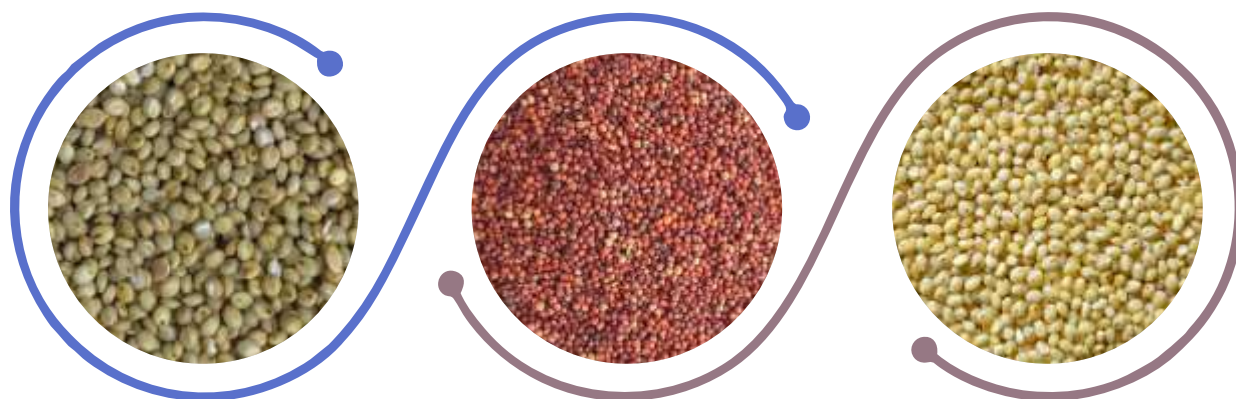


Being a lead producer it is an opportunity for India to highlight the importance of millets and their health benefits in the global platform. By increasing the production and consumption of millet, it is possible to improve nutrition and help to reduce poverty and hunger in India. It is also an opportunity to encourage farmers to take up millet cultivation to increase their income level as well as to improve their livelihoods and these are the crops for mitigating climate change effects.

Millets offer nutritional security and there is a need for promoting millets as they are highly nutritious. Almost all the millets are used for human consumption in most of the developing countries, but their use has been primarily restricted to animal feed in developed countries. Millets are gluten free, hence, are useful dietary cereals. In general, millets are rich sources of fibre, minerals, such as iron, zinc, potassium and phosphorus, as well as vitamins B, E, and K. They help to reduce the risk of certain types of cancer and other health abnormalities. Millets are also rich in health-promoting phytochemicals like polyphenols, lignans, phytosterols, phyto-oestrogens and phytocyanins. Some of the known nutrients-vitamins, minerals, essential fatty acids also have benefits in terms of prevention of degenerative diseases. Being non-glutinous, millets are safe for people suffering from gluten allergy and celiac disease. They are non-acid forming, easy to digest and non-allergenic. Millets have potential for protection against age-onset degenerative diseases. The important nutrients present in millets include resistant starch, oligosaccharides, lipids, antioxidants such as phenolic acids, flavonoids, lignans and phytosterols which are believed to be responsible for many health benefits.

The preparation and production of value added products like idli/dosa mix, mixtures, papads, upma, pongal, palav ready mix, beverages, popped millets, snacks, laddu, malts etc of various millets by households, entrepreneurs, self-help groups, small scale industries and large scale industries can raise their income level by promoting the value added products which increase entrepreneurship opportunities for the rural women and youth groups facilitated by government scheme like PMFME which includes one district one product, up gradation of individual micro food processing units, supporting FPOs/SHGs/Producer cooperatives, providing seed capital to SHG, Common infrastructure, branding and marketing support, capacity building and training programmes. By promotion of these value added products can improve the socio-economic status and also health status of the consumers. The synergic efforts brought out various nutritionally rich convenient millets product technologies and are successfully commercialized by various scientific institutions across the country. Implementation of effective promotional strategies and policy sensitization attracted entrepreneurs and policy makers which helped in popularization of millets. The efforts in the global platform continue to reach out the millets for every corner of the world.

(Shruthi, M. K., Yogesh G. S., Deepa J and Prabhu Iliger)



Content

KVK-CHAMARAJANAGARA	01-04
KVK-ALAPPUZHA	05
KVK-BAGALKOTE	06
KVK-BALLARI	07
KVK-BENGALURU RURAL	08
KVK-BELAGAVI - I	09
KVK-BELAGAVI - II	10-11
KVK-BIDAR	12
KVK-CHIKKABALLAPURA	13
KVK-CHIKKAMAGALURU	14
KVK-CHITRADURGA	15
KVK-DAKSHINA KANNADA	16
KVK-DAVANAGERE	17-18
KVK-DHARWAD	19-20
KVK-ERNAKULAM	21
KVK-GADAG	22-23
KVK-GANGAVATHI	24
KVK-HASSAN	25
KVK-HAVERI	26-27
KVK-IDUKKI	28
KVK-KALABURAGI - I	29-30
KVK-KALABURAGI - II	31
KVK-KANNUR	32
KVK-KASARAGOD	33

KVK-KODAGU	34
KVK-KOLAR	35-36
KVK-KOLLAM	37
KVK-KOPPAL	38
KVK-KOTTAYAM	39
KVK-KOZIKODE	40-41
KVK-MALAPPURAM	42-43
KVK-MANDYA	44
KVK-MYSURU	45
KVK-PALAKKAD	46-47
KVK-PATHANAMTHITTA	48-49
KVK-RAICHUR	50
KVK-RAMANAGARA	51
KVK-SHIVAMOGGA	52
KVK-THIRUVANANTHAPURAM	53
KVK-TRISSUR	54-55
KVK-TUMKUR-I	56-57
KVK-TUMKUR-II	58
KVK-UDUPI	59
KVK-UTTARA KANNADA	60
KVK-VIJAYAPURA - I	61-62
KVK-VIJAYAPURA - II	63-64
KVK-WAYANAD	65



ICAR KVK-Chamarajanagara

Capacity Building Programme on Organic Farming

ICAR KVK Chamarajanagara conducted a three days capacity building programme on organic farming at KVK from 25.10.2023 to 27.10.2023 in collaboration with Swami Vivekananda Youth Movement (SVYM), Gundlupete taluk, Chamarajanagara. The programme was inaugurated by Dr. Yogesh G.S., Senior Scientist and Head and Mr. P. D. Nayak, Programme co-ordinator, SVYM. Dr. Yogesh G.S., detailed the production aspects and applications of vermicompost, enriched manure, importance & role of earthworms in biological waste management which enhances the soil health and fertility, use of green leaf manure, compost and liquid organic manures preparation. The importance of practicing organic farming, methods to be adopted to increase the soil fertility and advantages of organic farming in the present context were advocated by Mr. Rajath H. P., SMS (Agromet). The information pertaining to mushroom cultivation, a way for self employment was provided by Dr. Mohan Kumar A. B. (Horticulture) and application of bio insecticides for pest and disease management was shared by Dr. Pompanagouda B. (Plant pathology). Processing, value addition and branding of agriculture produces were dealt by Dr. Deepa J., Scientist (Home Science). As a part of the programme, the trainee participants visited progressive organic farmers' field and interacted with them.

(Mohankumar,A.B., Supriya,N.S. and Yogesh,G.S.)





ICAR KVK-Chamarajanagara

Integrated Crop Management in Horse gram

Capacity building programme on integrated crop management in horse gram was conducted on 27.10.2023 at Cheluvayanapura tribal hamlet to 50 tribal farmers under TSP project sponsored by NBAIR, Bengaluru. After the preliminary survey and group discussion conducted by the staff of ICAR KVK Chamarajanagara and NGO (SPEDS, Gundlupete) with the tribes, the constraints and need of the tribal farmers were ascertained. On this occasion, the critical inputs like Horse gram seeds (CRHG-19) were distributed to the beneficiaries. The importance of cultivation of improved varieties of agricultural & horticultural crops and management practices were explained by Ms. Supriya N. S., Scientist (Agricultural Extension).

(Supriya N.S., Pompanagouda B. and Deep J)





ICAR KVK-Chamarajanagara

Swachhata Special Campaign 3.0

Swachhata Special Campaign 3.0 was observed by ICAR KVK Chamarajanagara from 2nd to 31st October, 2023 at KVK premises and other villages of Chamarajanagara district. All the technical and non-technical staff of KVK showcased their active participation by involving in cleaning of office indoor and outdoor premises, by reviewing the physical files, weeding out unwanted files and through disposal of scraps. An awareness programme to the students of College of Agriculture, Chamarajanagara was carried through activities like removal of Parthenium, collection & disposal of plastic in and around the campus and also the students were provided with firsthand information on cleanliness, healthy and hygienic practices to be adopted in day to day life. On 02.10.2023, Gandhi Jayanthi was observed, celebrated and a total of 2.5 quintals of farm waste was removed and disposed off.

(Yogesh, G.S., Supriya, N.S. and Adarsh, N)





ICAR KVK-Chamarajanagara

World Food Day

ICAR-KVK, Chamaraajanagara celebrated World Food Day on 16.10.2023. The program was presided over by Dr. Yogesh G.S (Senior Scientist and Head) who explained about the significance of World Food Day theme “Water is life, water is food. Leave no one behind”, conservation and judicious utilization of water in the current changing climate scenario and urged the need for adopting rain water harvesting in places like residences, schools, offices and public places.

Dr. Mohan Kumar. A.B., Scientist (Horticulture) highlighted about malnutrition and the measures to overcome malnutrition by consuming quality food, the benefits of adopting a Nutrition- Garden, objectives and principles to be followed for the establishment of Nutrition- Garden. He also high lighted that the farmer groups should set up food processing industries under PMFME.

Dr. Deepa J., Scientist (Home Science) explained about the importance of balanced diet in daily human nutrition, importance and medicinal benefits of millets, processing and value addition of millets. Demonstration on preparation of value added products from banana (Dosa and Gargi) and coconut (Chutney powder and Laddu) was organized and conducted.

Mr. Adarsh N., (Agromet observer) and 33 women members of Saraswathi Swayam Sevak Sangha, Netravati Swayam Sevak Sangha and Kalpana Swayam Sevak Sangha, Somavarapete village participated in the programme.

(Deepa, J., Adarsh, N and Yogesh, G.S.)





ICAR KVK-Alappuzha

State Agriculture Minister launched the KVK activities at Karappuram

Sri. P. Prasad, Hon. Minister for Agriculture, Government of Kerala officially launched the action plan activities of KVK for 2023-24 in the operational villages of Muhamma and Thanneermukkom on 20th October, 2023. The villages represent Karappuram, a larger agro-ecological area in Alappuzha district, known for its past glory in agricultural and allied activities. The Minister emphasized the importance of environmentally safe technologies for improving the health as well as income of farmers and appreciated the efforts taken by the KVK for doubling the farmer's income through various interventions in agriculture, animal husbandry, processing and value addition. Dr. P. Muralidharan, Principal Scientist and Head, KVK briefed the programmes proposed to be implemented during 2023-24 and the background preparations like awareness and training programmes, and identification of partners already completed. Smt. Swapna Shabu, President, Muhamma panchayath and Sri. Praveen G Panikkar, Vice president, Thanneermukkom panchayath addressed the gathering. Sri, Reji N T, Vice president, Muhamma Panchayath, Smt. Letha M S, Chairperson, Development Standing Committee, Aryad Block panchayath, Smt Sindhu, Member, Aryad Block panchayath, Smt M Chandra, Chairperson, Development Standing Committee, Muhamma panchayath, Sri Pramod, M S, Assistant Director of Agriculture, Cherthala, Smt. Asha B, Dairy Extension Officer, Dr. Geetha R, Senior Veterinary Surgeon, Muhamma, Smt Krishna P M, Agricultural Officer, Muhamma and Sri. Joseph R Jefry, Agricultural officer, Thanneermukkom offered their felicitations on the occasion. Members of Muhamma grama panchayath, KVK officials and more than 200 partner farmers took part in the programme.

Critical Inputs for the proposed technology demonstrations like Kalpavardhini for nutritional improvement of coconut palm, Kera probio for healthy establishment of coconut seedlings, IPM kit for bitter gourd, planting materials for nutri-garden, bypass fat feed supplement for dairy animals, Californian Mastitis Test (CMT) kit, oral pellet vaccine for poultry, fly sheets for pest management in cattle sheds, and equipments for coconut and millet processing units (EDP) were handed over to partner farmers by the Minister and dignitaries. Inputs for SCSP programme implemented by the KVK like Vegetable production kit with seeds and other inputs for homestead vegetable cultivation, fruit plants for livelihood and nutritional security, poultry birds for homestead rearing, Mini rice mill, equipments for banana processing unit, and inputs for mushroom productions unit were also handed over to the partner Scheduled Caste farmers on the occasion. The programme was a great success owing to the participation of all stakeholders concerned and enthusiasm of partner farmers.

(P.Muralidharan, Head and M.S.Rajeev, SMS)





ICAR KVK-Bagalkote

Inaugural Function of Krishi Sakhi Programme (Batch-1)

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 organizing six days training programme Krishi Sakhi from 30.10.2023 to 04.11.2022 at ICAR-Krishi Vigyan Kendra, Bagalkote. The Inaugural function is conducted on 30.10.2023.

Dr. D. N. Kambrekar, Senior Scientist and Head, Krishi Vigyan Kendra Bagalkote delivered inaugural address and explained the activities of Krishi Vigyan Kendra to the trainees.

Shri. Shashidhar Kurer, CEO, 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.

Shri N. Y. Basarigidad, Project Director, Zilla Panchayat, Bagalkote arrived as chief guest of the programme and explained about subsidiary occupations in agriculture like Dairy farming, Goatary farming, Poultry farming, and Farmer producer Organisation.

Mr. Lakshman. S. Kallennavara, JDA, Department of Agriculture, Bagalkote participated as another chief guest and explained about the problems caused by chemicals used in agriculture in recent times and the importance of organic farming in order to get rid of those problems.

Dr. S. S. Angadi, Director of Extension, UAS Dharwad presided the programme and in his Presidential speech he addressed to trainees regarding role of women in agriculture and the career development of women in agriculture.

During this event Dr. P. Nagarju, Nodal Officer (KVKs), UAS, Dharwad and all the staff of ICAR-Krishi Vigyan Kendra, Bagalkote and Zilla Panchayat, Bagalkote were present. The Programme Coordinated by Dr. Siddappa C Angadi, Senior Technical Officer, ICAR-Krishi Vigyan Kendra, Bagalkote.



Dr. S. S. Angadi, Director of Extension and Dr. P Nagaraju, Nodal Officer (KVKs), University of Agriculture Sciences, Dharwad visited KVK Bagalkote on 30.10.2023





ICAR KVK-Ballari

Participation of off campus training

ICAR-KVK, Ballari scientists participated in Tribal Subplan implementation programme organized by the Agriculture Research station, Siruguppa working under UAS, Raichur on 26-10-23 at Taranagar, Sandur taluk, Ballari district. During the programme, Hon'ble Vice-Chancellor, UAS, Raichur Dr. Hanumanthappa, M., presided and explained the importance of Integrated Farming System and how it helps in earning better income to farming community. Further, released leaf folder on IFS prepared by KVK, Hagari during the function.

TSP plan implemented by ARS Scientist, Siruguppa have explained about the TSP plan in brief and distributed critical inputs for betterment of the farming community. ICAR-KVK scientists narrated the components of the IFS and its role in doubling farmer income. They also gave information about pest and disease management in rabi crops. Programme was successfully completed with farmers opinion and more than 125 farmers were participated in the programme.





ICAR KVK-Bengaluru Rural

Organized three field days in approved cluster villages

ICAR – Krishi Vigyan Kendra, Bengaluru Rural District organized three field days at approved cluster villages: Field day on ‘Bio – Intensive Management of Pest and Diseases in Rose’ at Thimmasandra village of Hosakote village. During the programme Dr. B.G. Hanumantharaya, Senior Scientist & Head, explained the mandated activities of KVK. Dr. Ramegowda, H.V., Scientist (Crop Physiology) briefed the technologies adopted in the demonstration (Microbial consortia: 10 kg/ha at the time of sowing, Timely pruning, use of sticky cards (yellow and blue), foliar spray of micronutrient mixture: Rose mixture @ 5 g/l., timely spraying of plant protection chemicals: Spinosad (Microbial) @ 0.25ml/l, amister @ 1 ml/l and nativo @0.5g/l.) for enhancement of yield and quality of flowers. Mr. J.N. Sunil, Assistant Horticulture Officer and Mrs. V.N. Nandini, Agriculture Technical Manager participated and briefed about the facilities available in the department, also said that the result of this demonstration will be disseminated to more farmers. Dr. Dharshini, G.M. discussed the management of major pest and diseases in rose. Mrs. Meghana, S.V., Scientist (Home Science) participated in the field day programme.

Organized another field day on ‘Demonstration of Foxtail millet Var. GPUF 3 for value addition’ at Lakkondahalli village of Hosakote taluk on 26.10.2023. Dr. B.G. Hanumantharaya, Senior Scientist & Head in his inaugural speech explained the importance of millets in daily diet and this year declared as ‘International Year of Millets’ as part of this series of programmes are being organized by the center. Mrs. S.V. Meghana, Scientist (Home Science) conducted Frontline demonstration in 10 farmers field at Lakkondahalli and demonstrated the technologies like introduction of Foxtail millet var. GPUF-3, Seed treatment with Azospirillum and obtained higher yield. The training programmes will be organized for value addition and make more profitable to the farmers. Dr. Ramegowda, H.V. Scientist (Crop physiology) and Dr. Dharshini, G.M., Scientist (Plant protection) participated in the programme.

ICAR – Krishi Vigyan Kendra, Bengaluru Rural District organized third field day on ‘Eco-friendly Management of Brinjal shoot and fruit borer’ at Iuvanahallipalya of Nelamangala taluk on 30.10.2023. Dr. Darshini, G.M., Scientist (Plant Protection) explained about the ill effects of many of plant protection chemicals used by the farmers are polluting the environment and harmful to non-target organisms (predators, parasitoid insects and omnivores etc.). In this regards, a demonstration was taken in 10 farmers field for management of shoot and fruit borer in brinjal through eco-friendly measures, such as neem soap application to soil, installation of WOTA traps (8 / ac.), spraying of Bt (2 ml./L), Chlorantraniliprole (0.3 ml./L). Totally, 25 farmers/farmwomen were benefited from the programme.

(Dr. Ramegowda, H.V., Dr. Dharshini, G.M., Mrs. Meghana, S.V)





ICAR KVK-Belagavi-I

Minor Millets Enhanced Incomes, Empowerment, and Nutrition in farming committee

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

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

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

(M.N.Malawadi, Scientist (Agronomy))





ICAR KVK-Belagavi-II

NBAIR Exhibition

ICAR-KLE KVK, Mattikopp participated 31st Foundation Day and Biocontrol Expo-2023 at ICAR-NBAIR, Bengaluru on 19.10.2023 at Yalahanka Campus, Bengaluru. KVK stall was inaugurated by Sushree Shobha Karandlaje, Hon'ble Minister for Agriculture and Farmers Welfare (State), Government of India and appreciated the collection of insects and exhibits presented. The stall was exhibited focussing on bio-control technologies for crop pest and disease management and various types of pheromone traps. The upscaled activities through frontline demonstration on eco-friendly technologies for management of white grub in sugarcane (10,000 ha), management of DBM in cabbage (326 ha), management of pink bollworm in Bt. Cotton (2,000 ha), management of rust in soybean (1,00,000 ha). KVK stall also showcased bio-pesticides (Metarhizium anisopliae, Pseudomonas fluorescens, Beauveria bassiana, Verticillium lecanii, Numorea (M.Relyai)), bio-fertilizers (Rhizobium, Azospirillum, Azotobacter, PSB, VAM) and bio-fungicides (Trichoderma viride) were displayed which are being produced by KVK. On an average every year KVK produces 5 tons of bio-products for the benefit of the farming community. The other exhibits included millets and its value added products, seeds of improved varieties of field and horticulture crops, exhibited crop pests - beneficial/ harmful/ predators and parasites.



(Dr.S.S. Hiremath, Scientist (Plant Protection) and Mrs. Sridevi B. Angadi, Senior Scientist & Head)

Field Day on Foxtail Millet

Field Day was organized on Foxtail Millet variety HN-46 at Batakurki village of Chikopp clusters of Ramdurg taluk. Frontline demonstration was laid out on Introduction of foxtail millet variety HN-46 for higher yield. G.B. Vishwanath, Scientist (Agronomy) briefed about varietal characters agronomic practices and post harvest technologies. He explained the importance of millets in human diet and celebration of International Year of Millets – 2023 (IYOM – 2023). Farmer expressed the performance of the variety to the fellow farmers about ear head length, fodder quality, number of tillers per hill and expected yield. The farmers voluntarily came forward to spare some quantity of seeds to other farmers at free of cost. The attended farmers were happy about the performance of the variety HN-46 over check.



(G. B. Vishwanath, Scientist (Agronomy) and Mrs. Sridevi B. Angadi, Senior Scientist & Head)

Scientist visit to farmers fields

KVK Scientists follow up visit to frontline demonstrations plots to record growth parameters of on going FLDs on management of leaf spot and nematode in banana, pink bollworm management in Bt. Cotton, demonstration on improved technologies for enhancing yield and quality in Banana by use of IIHR Banana Special, integrated crop management in maize and integrated nutrient management in onion. These FLDs are conducted at K. Shivapur, Yarjharvi villages of Savadatti taluk and Bevinakopp village of Bailhongal taluk. During the visit, method demonstration on use of banana special was demonstrated.



(Dr.S.S. Hiremath, Scientist (Plant Protection), S.M. Warad, Scientist (Soil Science) and Praveen Yadahalli, Scientist (Horticulture)



Celebration of World Food Day

World Food Day was celebrated at ICAR-KLE KVK, Mattikopp on 16 October 2023 on the theme “Water is life, water is food, Leave no one behind”. The programme was inaugurated by Dr.Nithyashree, Professor, Department of Extension, University of Agricultural Sciences, Dharwad. Inaugurating the programme, she highlighted the water play a pivotal role for all living organism on the earth. The scarcity of water leads to scarcity of food. Hence, climate change needs to be addressed on priority by planting more trees to ensure proper rainfall. Dr. Geeta Tamgale, Associate Professor, Department of Extension, University of Agricultural Sciences, Dharwad expressed that World Food Day is celebrated to create awareness about hunger. The efforts of Scientist is to spread the awareness and to promote healthy diets as per the requirement of individual. Shri G. B. Vishwanath, Scientist (Agronomy) highlighted about Bio-fortified varieties in all crops and its nutritional benefits and discussed on integrated crop management of the Bio-fortified varieties.

(G. B. Vishwanath, Scientist (Agronomy) and Dr.S.S. Hiremath, Scientist (Plant Protection))



On Campus Training Programme

On campus training programme was organized on skill development and capacity building to the farmers of Bailhongal taluk. G.B. Vishwanath, Scientist (Agronomy) explained about seed production technologies in pulses and oil seeds. He told about source of seed, source verification, site selection for seed production, registration procedures, field inspection, rouging, seed processing, bagging and tagging etc., S.M. Warad, Scientist (Soil Science) explained about vermicompost production technology and importance of soil testing in Agriculture. Praveen Yadahalli, Scientist (Horticulture) explained regarding drone technology and seed production technologies in horticulture crops. Farmers were also briefed about rabi crop production and visited to field and horticulture crop cafeteria at KVK instructional farm.

(G. B. Vishwanath, Scientist (Agronomy), S.M. Warad, Scientist (Soil Science) and Praveen Yadahalli, Scientist (Horticulture))



ICAR KVK-Bidar

Field day on Soybean ICM

Soybean is an important commercial crop of Bidar district, covering an area of 2.4 lakh ha, to boost the crop yield under NMOOP- Cluster on front line demonstration on Integrated Crop Management was conducted at Morambi and Madnur village in an area of 75 acre in 2 blocks at Bhalki and Kamalnagar talukas for transfer of technology adopted under the demonstration to the nearby and neighboring village farmers a field day was conducted in the field of Shri Veershetty Prabhushetty Uchekar on Wednesday the 18th October 2023 at Morambi village of Bhalki taluka. It was inaugurated by the village progressive farmer Sri Sanjeevkumar Kage in his inaugural address he appreciated the efforts of ICAR Krishi Vigyan Kendra Bidar and urged the farmers to take advice from the scientists and also adopt the new technologies in crop production such as variety, pulse magic and pest management.

Dr Gnyandev. B, Scientist (Seed science and Technology) has briefed about the improved crop production practices, farmer participatory seed production techniques to get higher quality seeds, seed treatment procedures and also briefed about the grain storage. Dr Sunilkumar N M Senior Scientist and Head KVK Bidar explained about the pest and disease management, further insisted farmers timely knowing and managing will save the money and also help in increased per acre crop yield. Chief guest and progressive farmer Sri Shivraj has briefed all the technologies practiced in the demonstration and expressed the satisfaction. The owner of the land Sri Virshetty Uchekar told other fellow farmers to adopt the newer innovations in agriculture for getting the higher yields and expressed happiness about the demonstration.





ICAR KVK-Chikkaballapura

Krishi Vigyan Kendra, Chintamani organized a field day on maize MAH-14-138 at Obayyagarahalli village of Bagepalli taluk on 17.10.2023. Dr.P. Mahadevu, Professor and Scheme Head, AICRP on Maize, ZARS, V.C. Farm Mandya and Dr. Papireddy, Senior Scientist and Head, KVK, Chintamani along with other dignitaries inaugurated the programme. Dr.P. Mahadevu explained about the characteristics of MAH-14-138. Shri.Ashok Waghmore, Manager, KSSC, Chikkaballapura participated as chief guest and emphasized on promotion of seed production to increase farmers' income. Dr.M. Papireddy explained about integrated management of fall army worm in maize. Mr. Vishwanath highlighted about improved cultivation practices of MAH-14-138 and also opined that the variety is also suitable for fodder purpose since the crop is green even at harvesting stage. Dr. Swathi, Scientist (Plant pathology) explained about integrated disease management in maize. 63 farmers participated in the programme.

Skill Development Centre and Department of Soil Science, University of Agricultural Sciences, GKVK, Bangalore in collaboration with ICAR, KVK, Chintamani conducted two days training programme on "Importance and preparation of liquid organic manures and inorganic fertilizers; its use in vegetable crops" during 26th and 27th October, 2023.. Dr. P. Venkataravana, Dean (Seri.), College of sericulture, Chintamani inaugurated the programme and emphasized on use of organic manures to improve the soil fertility and productivity. Dr. C. A. Srinivasamurthy, Former Professor and University Head, UAS, GKVK, Bangalore in his chief guest address highlighted about adoption of integrated nutrient management practices. Dr. Papireddy, Senior Scientist and Head briefed about reducing the cost of production by preparing and usage of liquid organic manures. Dr. Gayathri B, Programme Director explained about the importance of liquid organic manures. Dr. Sandhya K. Scientist (Soil Science) demonstrated the preparation of liquid organic manures. Different technical sessions were organized during the programme. Training manual and folder were released during the programme. 25 farmers participated in the training programme.

(Dr. Papireddy, Tanweer Ahmed, Vishwanath and Dr. Sandhya K)



Field day on maize MAH-14-138 at Obayyagarahalli village of Bagepalli taluk on 17.10.2023.



Training programme on Importance and preparation of liquid organic manures and inorganic fertilizers; its use in vegetable crops



ICAR KVK-Chikkamagaluru

Farmer Producer’s Organization (FPO) interaction meet

ICAR-Krishi Vigyan Kendra, Chikkamagaluru has organized “Farmer Producer’s Organization (FPO) interaction meet at Krishi Vigyan Kendra, Chikkamagaluru on 20.10.2023.

Dr. Krishnamurthy, A.T., Senior Scientist and Head, KVK, Mudigere, in his introductory speech briefed that, farmer-producer’s organization provide support to small farmers with end-to-end services covering almost all aspects of cultivation from inputs, technical services to processing and marketing. Further advised that, from the KVK farmers of FPO will get guidance and information regarding the improved technologies, high yielding varieties/hybrids, value addition and their marketing and also advised them to increase the members.

Mr. Mahabaleshwarappa Yellappa Honnur, Deputy Director, Spice Board, Regional Office, Sakleshpur delivered the lecture to FPO members regarding the scientific cultivation technologies of Black pepper, such as newly developed varieties, characters and selection, production of quality seedlings, method of planting, soil conservation practices and water management.

Mr. Lakshman Gowda, Progressive Pepper Planter, Gowthahalli addressed the members that Our Hon’ble Shri Narendra Modi took several steps to strengthen agriculture and make farmers prosperous in which FPO will lead to increase the income of the farmers and to empower them. Further this will enable the farmers to market and process the crops along with producing them and this FPO will helps in doubling of farmers income.

Dr. Shivaprasad, M., ADE, ZAHRS, Mudigere, in presidential remarks said that FPO is a legal entity formed by primary producers, this FPO provides for sharing of profits and benefits among the members and ensure better income for the farmers through an organization.

On this occasion Mr. Kenjige Keshav, Former IPC Pepper Award Winner and Progressive Planter, Mr. Poornesh, President FPO, Mudigere, Mr. Shankar, Vice president, FPO, Mudigere and Scientists from KVK participated. Total 52 FPO members participated and got benefit out of it.

(Dr. Krishnamurthy A.T., Senior Scientist and Head)
(Mrs. Shabnum P.S, SMS(Agromet))





ICAR KVK-Chitradurga

Training program on Integrated Nutrient Management practices in Arecanut and Coconut crops

Arecanut and Coconut are the main Plantation crops of Chitradurga district in Karnataka. During prolonged drought like situation, we need to advise the farmers on its nutrient management. On this account, Scientists of ICAR Krishi Vigyan Kendra, Chitradurga conducted training cum awareness program with the support of National Rural Livelihood mission at Chilangi village, Chitadurga District on 18th October 2023. Dr. Ravikumar D., Scientist (Soil Science) briefed about key points of Integrated



Nutrient Management practices and their benefits when the farmers adopted in Arecanut and Coconut crops. Dr. Saraswathi J. M., Scientist (Home Science) explained about value addition in arecanut and coconut. Dr. Preethi., Scientist (Agricultural Extension) discussed about good behavior practices need to followed for better operation of Co-operative societies. Dr. Mahantesh P., Scientist (Horticulture) spoke regarding the better agronomic practices need to adopt for the betterment of the crop yield and productivity in Coconut and Arecanut. In this training program conducted in the presence of Mr. Kenchagowda (Vice-chairman) Chilangi panchayat and also Mr. Viyakumar, Mrs. Nagarathna, members of the panchayat and Krishi sakhi sindhu. The training program was attended and got benefitted by 60 farmers, farm-women.

Training programme on Mushroom cultivation

ICAR KVK, Chitradurga in collaboration with Rotary and Red Cross organization, Hiriyyur has organized a one day training programme on Mushroom cultivation on 31-10-2023.

The training programme was inaugurated by Dr. O.Kumara, Sr. Scientist and Head, KVK during his inaugural speech briefed that there are various varieties of mushroom but only few of them are edible, our ancestors have the knowledge of identifying the mushroom species suitable for consumption. Mushroom being a protein rich food, has lot of nutritive value and good for people suffering from various ailments like High blood pressure, Diabetes etc. Now a days Mushoom consumption has geared up and mushroom are available in super markets. He also briefed



that during the one day training programme cultivation aspects of oyster mushroom will be covered in detail and suggested the farmers to involve actively and get the scientific information on mushroom cultivation.

The Director of Red cross Organisation, Hiriyyur Mr. D. Devaraj insisted the participants to take the benefit of training programme. Mr. Jogappa, Secretary, Red coss and Rotary Hiriyyur discussed about the Rotary organization and Mr. Naganna B.K., Former Director of Red Cross Oganisation discussed about the activities carried out by Red cross organization.

Dr. S. Onkarappa, Scientist (Plant Protection) discussed about the benefits of Mushroom cultivation, Dr. Saraswathi J.M., Sicietist (Home Science) had given the introductory speech and Dr. Preethi, Scientist (Agril. Extension) was present during the programme, Mrs. Geetha Kumari B N, Sr. Technical Officer, Hosted the programme and extended the vote of thanks and around 41 participants were present during the programme.



ICAR KVK-Dakshina Kannada

Participation in Agricultural Science Congress and ASC Expo

ICAR-Krishi Vigyan Kendra, Dakshina Kannada represented ATARI, Bengaluru, Zone- X1 for participation in the 16th Agricultural Science Congress and ASC Expo organised from 10-13th October by National Academy of Agricultural Sciences, Bengaluru and hosted by ICAR-Central Marine Fisheries Research Institute, Kochi

Dr. Ravindra Gouda Patil, Scientist (Fisheries) and Dr. T.J. Ramesha, Senior Scientist and Head were participated.

In the exhibition seeds of pulses, paddy (Sahyadri Panchamukhi and MO-4), cow pea fodder, and value added fish products (Chackuli, fish chutney powder) of entrepreneur belonging to Schedule Caste, branded vermicompost of entrepreneur and value added products of Pingara FPO (Banana fruit powder, jack fruit powder and Papad) and bioagents, posters on Doubling Farmers Income, Success Story on FPO of Coconut and other successful enterprises in agri and allied sectors were displayed for educating farmers including other stakeholders involved in agriculture.



(Dr. Ravindragouda Patil and Dr. T. J. Ramesha)

CDP on Integrated crop management in Udupi Jasmine

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a capacity development programme at Muchur, Moodibidri Dakshina Kannada on 16-10-2023 for initiating Front Line Demonstration on ICM in Udupi Jasmine. Dr. Rashmi, R., Scientist (Horticulture) coordinated the programme highlighted about crop production, importance of soil testing, INM and method demonstration of jasmine pruning. Dr. Kedarnath, Scientist (Plant Protection) explained about IPDM in Udupi jasmine. Total 15 farmers were benefitted from the programme and critical inputs were provided to the five selected farmers.



(Dr. Rashmi R., Dr. Kedarnath and Dr. T. J. Ramesha)



ICAR KVK-Davanagere

Orientation Workshop of PPVFRA

Mr. Mallikarjuna B.O., SMS (Agronomy) attended the Orientation Workshop of PPVFRA organized at ICAR-KVK, Kottayam, Kerala on 14.10.2023 by ATARI, Bengaluru. During this program an exhibition on different farmer varieties of different crop seeds and products were exhibited. ICAR- Taralabalu KVK, Davangere exhibited the four different farmer rice varieties (Sindura Madhusaale, Andanura sanna, Giri saale and Kumblua Saale). Dr Trilochan Mohapatra , Chairperson , PPVFRA, GOI, New Delhi and Dr Venkatasubramanian Director, ATARI Bengaluru interacted with SMS(Agronomy) regarding the varietal characters and performance in the field. Orientation on the PPVFRA was provided and good interaction with farmers and scientists.



(Mallikarjuna B.O. SMS (Agronomy))

“Celebration of World Food Day”

ICAR-Taralabalu KVK celebrated World Food Day with the theme “Water is life, Water is food. Leave no one behind” under the guidance of Dr. Devaraja T. N. Senior Scientist and Head of the KVK in collaboration with Govt. First Grade College Davanagere. Addressing to students of the college Dr. Devaraja T. N. said that now a days due to adulteration in food led to many deadly diseases including cancer. We need to have good food which gives good health and wealth. He gave lecture on “Food production and its management” he also threw light on various channels through which we are consuming poisonous food in our daily life.



Dr. Nataraj D. R. Professor of Govt. First grade degree college Davanagere inaugurated the program and in his inaugural words he said that natural resources are very precious we need to use them judiciously and conserve them for upcoming generation.

Mr. Basavanagowda M. G. in his opening remarks highlighted the importance of water and its judicious use. In the programme women entrepreneur Sri. Saroja N. Patil shared her experience in minor millet value addition. Mr. Manjunath S. natural oil extraction and marketing entrepreneur shared his experience in the business. Dr. .Lolakshi Professor Govt. First grade degree college Davanagere sensitized students about importance of food. Dr. Avinash T. G. SMS (Plant Protection) delivered talk on “Food and Pesticide”. On the eve of World Food Day essay competition on “Importance of water in modern lifestyle” was conducted to students and prizes were distributed to winners. Dr. Jayadevappa G. K. SMS (Animal Science) welcomed and Mr. Sannagoudra H.M. SMS (Soil Science) delivered vote of thanks.



Activity on “Swachhta Hi Seva”

The Swachhta Hi Seva activity was conducted in collaboration with Primary Health Centre Pallagatte and Gram panchayath Pallagatte. The program was done in Primary Health Centre Pallagatte. Dr. Basantha a medical doctor of the PHC enlightened participants about significance of cleanliness and hygiene in daily life. Further, highlighted on good health practices. Mr. Basavanagowda M. G. SMS (Horticulture) said that malnutrition and consumption of poisonous food leading to many disorders and diseases, suggest to produce pesticide free food through kitchen garden. Dr. Avinash T. G. SMS (Plant protection) explained about use of microbial based agents in residue management and conversion of waste to wealth. Mr. Raghuraja J SMS (Agri. Extension) explained about role of women’s in Swachhta and guided them on safe disposal of plastic. Microbial based agents such as Compost Prachodak, Trichoderma and Pseudomonas were provided to participants.



Training on Integrated Dairy Farming

ICAR-Taralabalu KVK, Davanagere organized two days training on Integrated Dairy Farming for farm women of the district under SCSP project. The improved dairy technologies including animal nutrition, clean milk production and general maintenance of diary was explained to the farm women. The certificates were distributed to participant farm women after the program.





ICAR KVK-Dharwad

Participation in Krishi Mela – 2023

On the eve of Navaratri Utsav, KSDA, Belagavi, ICAR-KVK BIRDS, Tukkanatti and Shri Shiva Bodharanga PKPS, Mudalagi jointly organized a Krishi Mela-2023 from 17-19 October, 2023 under the theme “Millets for Sustainable Agriculture” which was inaugurated by Shri Iranna Kadadi, MP. In this Mela, ICAR-KVK, Dharwad participated and exhibited the UAS, Dharwad technological products like different millets and processed products, University released sugarcane varieties, mango special, nutri garden kit, organic turmeric, bio-agents, bio-fertilizers, flowers, fruits and vegetables. Around 5000 farmers participated in this three days mela and interacted with scientists.



"Best Extension Scientist Award" to ICAR-KVK, Dharwad Scientist

Shri Santosh Lad, Hon’ble Minister of Labour, Govt. of Karnataka and District In-charge Minister awarded the "Best Extension Scientist Award" to Dr. Jayashree Pattar, Scientist (Animal Science), ICAR-KVK, Dharwad on the occasion of 37th Foundation Day of University of Agricultural Sciences, Dharwad which was held on 01.10.2023. Shri Aravind Bellad, Hon’ble MLA, Hubli-Dharwad West constituency, Dr. P. L. Patil, Hon’ble Vice Chancellor, Shri Shrinivas Kotyan, Board of Management, UAS, Dharwad and other key officers of UAS, Dharwad graced the occasion.



Training on “Integrated Nutrient Management in Mango”

ICAR-KVK, Dharwad in collaboration with Mango Growers Association, Dharwad organized training programme on “Integrated Nutrient Management in Mango” on 19.10.2023. Dr. Airadevi P. Angadi, Scientist (Horticulture), ICAR-KVK, Dharwad delivered lecture on mango cultivation practices. Dr. S. N. Jadhav, Head, Staff Training Unit and Professor of Ag. Entomology, UAS, Dharwad delivered lecture on pest and disease management in mango. Dr. P. T. Goroji, Senior Technical Officer, ICAR-KVK, Dharwad emphasized on nutrient management with special reference to Mango Special – nutrient mixture. Dr. P. Nagaraju, Nodal Officer (KVKs), Dr. R. S. Poddar, Professor of Agri. Economics, UAS, Dharwad, Dr. M. S. Biradar, Senior Scientist and Head, KVK Dharwad, Shri Subhash Akalwadi, President, Mango Growers Association, Dharwad, Shri Basavaraj Kundagol, President of Krishik Samaj, Dharwad were present during the training. About 45 mango growers were benefited by the programme and purchased the mango special produced by ICAR-KVK, Dharwad.





Monitoring visit to cotton fields under Special Project on Cotton

Scientists monitoring visit to cotton fields under Special Project on Cotton of ICAR-CICR entitled “Targetting technologies to agro-ecological zones-large scale demonstration of best practices to enhance cotton productivity” under NFSM during 2023-24 was done by ICAR-KVK, Dharwad to Byalal and Harobelavadi villages of Navalagund and Dharwad talukas respectively on 25.10.2023. Dr. Prabhulinga, Senior Scientist (Entomology), CICR, Nagpur visited the plots and appreciated the farmers for implementing the cotton project on high density planting and closer spacing in cotton. Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad explained about the cotton performance under HDPS and Closer spacing is not expected level due to lower rainfall. Under the project farmers will get pneumatic planter and cotton shredder by next year so that it will be easy for the farmers to implement the project very effectively.



Follow-up field visit to FLD on Paddy

Follow-up field visit to FLD on Demonstration of paddy variety RNR-15048 for rainfed situation was done by ICAR-KVK, Dharwad Scientists on 16.10.2023 to Ugginakeri village of Kalaghatagi taluka. Dr. U. K. Shanwad, Scientist (Agronomy), ICAR-KVK, Dharwad observed that compared to check variety, RNR-15048 variety seems to be early and its growth was good.



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



ICAR KVK-Ernakulam

Kerala state Fisheries department to promote KVK's farmer participatory fish seed production cum buy-back model

The farmer participatory Pearlsport fish seed production and buy-back model demonstrated by Ernakulam KVK is now taken up by the Kerala state fisheries department for large scale promotion in the state. A training session for selected beneficiaries of the department's Pearlsport seed production programme was conducted on 16th October 2023 at Fisheries complex awareness Hall, Ernakulam. Seventy participating fish farmers attended. Dr. P.A Vikas, Subject Matter Specialist (Fisheries) of the KVK conducted training cum interaction session and shared KVK's experience. The Deputy Director (Fisheries) briefed the scheme details. Similar to the KVK's buy-back arrangement, the department is planning to buy-back seeds for supplying to various farms across the state.





ICAR KVK-Gadag

FIELD DAY ON FOXTAIL MILLET

On the eve of International Year of Millets-2023, Field day on Foxtail Millet (HN-46 variety) was organised at Asundi village of Gadag block on 05-10-2023 under Front Line Demonstration, 2023-24. Three demonstrations were conducted in Asundi(Gadag block) & Muganur (Naragund block) villages. The field day was organised in Smt.Suvarna Suresh Boomakkanavar's field. Shri Tajuddin Olekar, President, Grama Panchayat, Asundi participated and opined that cultivation as well as consumption of Millets is the need of the hour to address health issues. Dr.Sudha Mankani, Senior Scientist and Head spoke on importance of Millets, Nutritional composition and its value added products for daily consumption. Dr.Vinayaka Niranjan, SMS (Ag. Engg.) briefed about the drought tolerance and high yielding traits of HN-46 variety and the primary processing of Millets. On this occasion, progressive farmers namely Shri Somaraddi Ramenahalli, Shri Fakeeraddi Madolli, Shri Kappatappa Bashetti and more than 35 farm women participated in the programme.



(Dr. Sudha Mankani, Senior Scientist and Head)

FIELD DAY ON MAIZE HYBRID

Field day on Maize Hybrid GH – 150125 (Dharma) crop was conducted at Beladhadi village of Gadag Block on 27-10-2023 in collaboration with University of Agricultural Sciences, Dharwad and International Maize and Wheat Improvement Center (CIMMYT), Mexico. Dr.P.L.Patil, Hon'ble Vice Chancellor, Dr.B.D.Biradar, Director of Research, Dr.S.S.Angadi, Director of Extension and Dr.Shekharappa, Assistant Director of Research, UAS, Dharwad graced the occasion as guests of honour. Dr.B.D.Biradar, in his address gave insights on special characteristics of the newly developed GH – 150125 Maize hybrid. Dr.S.S.Angadi spoke about importance of Maize crop, marketing strategies and value addition options of maize. Hon'ble Vice Chancellor, Dr.P.L.Patil addressed the gathering and gave valueable inputs regarding management of soil health and importance of water conservation measures to conserve natural resources and improve the soil fertility.





Dr.R.M.Kachapur, Plant Breeding Scientist of UAS Dharwad gave detailed information about GH-150125 Maize hybrid such as its physical and textural attributes, resistance to pests and diseases and potential yield of the hybrid. Dr. C.M.Rafi, Professor (Entomology), ARS, Belawatagi in his technical session explained importance of Intergrated Pest and Disease Management practices in Maize. Shri. Thakur Devappa Lamani, President of Village Panchayat, Beladhadi village presided over the function and spoke about importance of adopting new technologies in crop production to get good yield. He also expressed farmers' willingness to grow newly introduced hybrid in coming seasons. Farmers of Beladhadi village interacted with officers and scientists of University as well as KVK on pressing issues in agriculture. Dr. S.R.Salakinkoppa, Head, Maize Section, UAS, Dharwad welcomed the gathering. Dr. Sudha V Mankani, Senior Scientist and Head (I/c.), ICAR-K.H.Patil KVK, Hulkoti extended vote of thanks and Shri.N.H.Bhandi, SMS (Soil Science) anchored the programme. More than 105 farmers from Beladhadi and neighbouring villages participated in the programme. Totally 25 demonstrations of GH – 150125 (Dharma) hybrid maize were provided to the farmers of Beladhadi village under All India Co-ordinated Maize Improvement Project of UAS, Dharwad. Farmers expressed happiness over the performance of the crop even in the ongoing drought situation.

(Dr.Vinayaka Niranjan, SMS (Ag. Engg.) & Shri N.H.Bhandi, SMS (Soil Science))



FIELD DAY ON CASTOR

ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti in collaboration with University of Agricultural Sciences, Bengaluru, AICRP Castor, GVK Bangalore and ICAR-Indian Institute of Oilseeds, Hyderabad organised field day on Castor crop at Mundaragi village of Mundaragi block. The field day on Castor crop was held at Shri.Balachandra Arer's field. The field day was inaugurated by Dr.Lavanya, Senior Scientist, ICAR-IIOR, Hyderabad and in her inaugural address, she briefed about Castor hybrid ICH-5 and ICH-66 and their performance which give good returns under rainfed condition. Dr.Satish, Principal Scientist, ICAR-IIOR spoke on production and annual income in growing Castor crop under dryland situation. Dr. Sudha V Mankani, Senior Scientist and Head, ICAR-KVK, Hulkoti advised farmers to take up cultivation of Castor at least in 1 acre of land. Dr. Yamanur, Scientist, AICRP on Castor, UAS, Bengaluru briefed about the cultivation of Castor and the market opportunity for Castor. Dr.Mohan Kumar, Smt. Hemavati R.H. were present on this occasion. Scientists of UAS, Dharwad and Progressive Farmers namely Shri Ishwarappa Hanchinal, Shri Ramanna Illur, Shri Chandrashekhar Ullagaddi were also among the attendees. An exposure visit to Castor field was organised and the farmers expressed happiness on the performance of the Castor crop even during the present drought situation.



(Dr.Sudha V. Mankani, Senior Scientist and Head (I/c.) & Smt. Hemavathi R. Hiregoudar, SMS (Horticulture), ICAR-KVK, Gadag))



ICAR KVK-Gangavathi

Celebration of world food day

The world day generates awareness globally for those who suffer from hunger and ensures the need for food security and nutritious diets for all. The main focus of this day is that food is a basic and fundamental human right. World Food Day 2023 is devoted to highlighting food and agriculture and is marked every year with multiple global challenges, conflict, climate change, rising prices and international tensions. ICAR KVK Koppal in association with SKDRDP Gangavathi organised world food day on 16.10.2023 at basapatna village, ganagavathi taluk. The programme was inaugurated by Dr Kavitha Y Ullikashi Scientist (Home Science) by lighting the lamp and explained about importance of celebration of the world food day.

She also explained that nutritious diets are essential for physical and cognitive development, maintaining good health, and preventing diet-related diseases. Access to nutritious food is a right that everyone should enjoy. Unfortunately, many people worldwide cannot access diverse, balanced diets. This lack of access is often due to poverty, limited availability of nutritious foods, and a lack of nutrition knowledge. By engaging nutrition garden, education, food contest, farmers market and food waste reduction can reduce the malnutrition and hunger. Smt Radha J Scientist (Seed science and technology) explained about importance of organic and integrated farming system. Smt Sharadha Field worker SKDRDP explained different government programmes to combat malnutrition in preschool, school children and mother.





ICAR KVK-Hassan

Mahila Kisan Diwas and World Food Day Celebration

ICAR-Krishi Vigyan Kendra, Hassan in collaboration with ATMA, Department of Agriculture, Hassan celebrated the Mahila Kisan Diwas and World Food day on 16/10/2023 at KVK, Kandali, Hassan. Mr. Vignesh, Programme Director, Shri Kshetra Dharmasthala Rural Development Project, Alur has inaugurated the programme and in his inaugural speech he said that agriculture is an important sector for women's to become financially strong and to lead a self-sufficient life, So there is a need to celebrate this kind of programmes to boost the women farmers morale. Further, he elaborated the importance of food in keeping humans body healthy and fit.

Dr. Rajegowda, Senior Scientist and Head, KVK, Hassan has chaired the programme and during his presidential remarks he said that to overcome the malnutrition problem in the country, there is a need to create awareness about the importance of balanced food among the people and also he said that water is also a important food for all living beings, so everyone should take a oath to conserve and recycle the water so that all the living beings in the world should get a clean drinking water to survive. Further, he said that it is proud that 60 per cent of works in agriculture were carried out by women only but it is not enough they should involve in decision taking actions then only the celebration of this Mahila Kisan Diwas will become more meaningful. Mrs. Manjula, Deputy Programme Director, Agriculture Department (ATMA) Hassan has participated in the programme as a guest and in her introductory remarks she explained the purpose and motto of these programmes and she also briefed the theme of this year world food day celebrations to the gathering. Dr. Gopika C Muthagi, Assistant Professor, Department of Food science and Technology, College of Agriculture, Hassan, who participated as a resource person and in her lecture she explained the importance of value added foods, gave a hands-on demonstration on preparation of value added products from maize like sweet corn, chakkali, khodabale, chips, bisbele bath mix, pongal mix, shayavige, etc., and told the importance of these products to the gathering.

Dr. Nagaraja, T., Scientist (Plant protection) KVK, Hassan has delivered the lecture on pests and diseases symptoms and their management in important crops of the district. Finally Mrs. Latha, Progressive farm women, Belur has honored for her significant achievements in the field of farming and value addition sector from the ATMA, Agriculture department, Belur taluk.

Mr. Gora Ravishankar and Dinakar Shastri, All India Radio Hassan, Dr. Arun Kumar, B. R., Scientist (Soil Science), Dr. Sanketh, C. V., Scientist (Agril. Extension), Dr. Sakamma, S., Farm Manager, KVK Hassan and 51 farm women's of Belur, Alur and Hassan taluk were participated in the programme.





ICAR KVK-Haveri

Swchchata Special Campaign

Swchchata Special Campaign was celebrated at KVK, Hanumanamatti from October 02, 2023 to December 31, 2023 and organized various programs at KVK and also in other villages of Haveri district under the supervision of KVK scientists.

KVK, Haveri (Hanumanamatti), celebrated Mahatma Gandhi Jayanti Day and took an oath taken by the KVK staff family on the eve of special campaign 3.0. All staff were involved in various activities viz., cleaning of office premises and weeding of old files in the store room; organizing a swachata jata drive from KVK to Hananamatti village; cleaning the roadside of the KVK farm; cleaning the roadside of the KVK admin building; organizing an off-campus awareness program; and cleaning the premises of the temple and the swachata drive at Kamadod village of Ranebennur taluka. To create awareness among the public about cleanliness, different activities like tree planting, cleaning of public places, roadsides, farmers field bund side and removal of unwanted plants and weeds all along the roads, safe use of insecticides, promotion of organic farming, cleaning of water bodies, and conversion of agricultural waste into compost In this way, the Swachchata Special Campaign was celebrated successfully at KVK, Haveri.





Celebration of World Food Day and International Rural Women Day

KVK Haveri celebrated the World Food Day and International Rural Women Day in association with NEEDS, NGO, Ranebennur on 16.10.2023. Dr. Ganapathy T, Professor (Department of Horticulture), College of Agriculture, Hanumanamatti inaugurated the program and briefed about the value of nutritious food in the present era. On the eve of International Rural Women's Day celebration, he said that many women are making own bread through dairy farming, preparing earthworm manure, practicing beekeeping, mushroom farming and leading the family in sustainable manner.

Dr. Santosh H. M, Scientist (Horticulture) narrated brief history about the celebration of World Food Day in honour of foundation day of Food and Agriculture Organization in order to fight and eradicate hunger. Also briefed the importance of water in daily life and created awareness to conserve water as the Theme of World Food Day 2023 is "Water is Life, water is food". After that he explained the contribution of women in rural livelihood development and agricultural activities.

Smt. Vidya V Sangannavar, SMS (Home Science) explained about the important role of millets in health, processing and value addition on the occasion of World Food Day and women are strength of every family as they always strive to achieve their goals and have the strength to lead the family. Further, she explained the achievements of women who have achieved in agriculture and allied sectors as inspiration to the participants.

On the same occasion, Mrs. Annapurna Bhimappa Chigari of Kalasur village and Mrs. Sahana Honnatti of Meduru village who have achieved in agriculture and dairy farming were also honored by the KVK, Hanumanamatti. In this program, Dr. Mahesh Kadagi, Scientist (Animal Science), Dr. Shantaveerayya, Scientist (Meteorology), Mr. Chandrakanta Kotabagi, Senior Technical Officer and more than 35 farm women and farmers were participated.





ICAR KVK-Idukki

Participated in 31st Foundation Day and Biocontrol Expo-2023 ICAR-NBAIR, Bengaluru

ICAR- National Bureau of Agricultural Insect Resources, Bengaluru, organized its 31st Foundation Day and Biocontrol Expo-2023 on October 19, 2023 at ICAR-NBAIR, Yelahanka Campus, Bengaluru. On this occasion, we showcased our successful technologies to large number of farmers, researchers, policy makers, officials from the industries and students. The



programme was inaugurated by Smt. Sushri Shobha Karandlaje, Hon'ble Minister of State for Agriculture and Farmers Welfare, Govt. of India, New Delhi. In presence of Dr. Suresha S. V, Hon'ble Vice Chancellor, University of Agricultural Sciences, Bengaluru, Dr. P. K. Singh Agriculture Commissioner, Govt. of India, New Delhi, Dr. S. C. Dubey, Assistant Director General (PP & BS), ICAR, New Delhi, and Dr. J. P. Singh Plant Protection Advisor, Govt. of India, New Delhi.

ICAR KVK Idukki exhibited our products and posters in the allotted Stall at Yelahanka Campus, Bengaluru. Products like Kisan Samriddhi – Cardamom Oil, Clove Oil, Cinnamon Oil, Lemongrass Oil, Eucalyptus Oil, Green Cardamom Whole Spices, Black Pepper Whole Spices, Bay Leaf, Black Stoner Flower, Cinnamon, Clove, Star Anise, Nutmeg, IIHR – Arka Microbial Consortium, Arka Decomposer, Paecilomyces, Entomo Pathogenic Nematode (EPN), PGPR Capsule, Azospirillum, Phospho bacteria, Potash bacteria, Neem Soap, Pongamia Soap, VAM, Pseudomonas, Trichoderma, Beauveria, Metarhizium, Bacillus Subtilis, Bacillus Megaterium, Effective Microorganism (EM), Agni, Akash, Trisul, PPFM and Solar LED Light were exhibited in the stall. Posters of Kisan Samriddhi, EPN, PPFM and other biocontrol methods were also exhibited in the stall. Mr Sudhakar Soundarajan, SMS Plant Protection and Mr. Biju Narayanan, Programme Assistant(Computer), KVK Idukki coordinated and attended the expo 2023

(Ms. Preethu K Paul, SMS Agricultural Extension, Mr Sudhakar Soundarajan, SMS Plant Protection
Mr. Biju Narayanan, Programme Assistant(Computer))





ICAR KVK - Kalaburagi I

Krishi Mela on Organic Farming

ICAR-Krishi Vigyan Kendra Kalaburagi-I and KSDA, Kalaburagi jointly organised one day Krishi Mela on Organic Farming organised at Shri. Gurupadalingeshwara Muttyan Babalad Math, Kalaburagi on 16.10.2023. On eve of organic Krishi Mela, ICAR-KVK, Kalaburagi and Dept. of Agriculture, RSKs and private companies were exhibited information about organic farming and products. Exhibited various organics products preparation like vermi compost, role of earth worms, PSB, Rhizobium, Azospirillum, Azolla culture, Jeevamrutha, Beejamrutha, panchagavya, agni astra, nemastra, dashaparni kashaya, gokrupamrutha jal etc.

After the inauguration, Dr. Raju G. Teggeelli, Senior Scientist and Head, discussed about Organic farming and organically control of pest and disease. Sri. Samad Patel JDA, Kalaburagi enlightened about the organic farming in present situation. Sri. Chandrakant Jeevanagi, ADA, Kalaburagi emphasised about different facilities and schemes available in department.

Sri Gurupadalingeshwar swamiji and Hirolli swamiji presided the training cum interaction session of integrated organic farming system and importance of organic products. During this training, progressive farmers and farm women of Kalaburagi district were enlightened on integrated organic farming system. ICAR-KVK, Kalaburagi-I scientists, Dr. Yusufali, Scientist (Agronomy), was spoken on Importance of organic farming in present situation and Dr. Shreenivas B V, Scientist (Soil Science) explained about Soil Health management. Krishi Vigyan Kendra, Kalaburagi organized an exhibition stalls showcasing the technologies released by UAS, Raichur. During the programme, Farmers-Scientists interaction was arranged during the session farmers asked series of questions on importance of natural farming, organic farming, processing opportunities, improvement of soil fertility, soil and water conservations methods, vermi compost methods etc. In this programme Dr. Anasuya Hugar, DDA Sedam, AOs from different RSKs, Dept. officials and staffs were presented. Around 1000 farmers from different villages of Kalaburagi district were participated in the programme.





Exposure visit by Gulbarga University Microbiology Students

Gulbarga University, Kalaburagi M.Sc. in Microbiology, II year students visited to ICAR-KVK, Kalaburagi-I on 19.10.2023. Dr Shreenivas B V, Scientist (Soil Science) gathering and welcomed to the students and staffs and explained about the importance of Soil and Water test in Agriculture also visited to the laboratory and emphasised about the soil health management and explained regarding preparation of Vermicompost and its marketing and importance bio unit's products which are used in Organic and or Natural farming. Dr. Vasudev Naik, Scientist (Horticulture) shared about the new technologies used in horticulture crops and about Terrace and Botanical Garden and Dr. Yusufali, Scientist (Agronomy) explained regarding digital KVK platform and how to use related information using QR code which is available in KVK and also briefed about “Make Scan and Call Scientist” concept to the students. Total 80 students and staffs were visited and got information from the scientists.





ICAR KVK - Kalaburagi II

Swachhata Special Campaign-3.0

ICAR-Krishi Vigyan Kendra, Kalaburgi-II and DATC, Kalaburgi jointly organised Swachhata Special Campaign-3.0 at Melkunda Tq. Kalaburgi on 26.10.2023. In this programme Dr. N.Manjunatha, Sr. Scientist & Head, ICAR-KVK, Kalaburgi-II briefed importance of clean cultivation in management of pest and diseases and also safe disposal of containers of pesticides and herbicides, up keeping of implements.

Farmers were asked diversified cropping system with fruits and vegetable crops for nutritional security and higher income. In this programme two agricultural officer and field staff of REWARD watershed programme officials and more than 50 farmers and farmwomen were participated.





ICAR KVK-Kannur

Rice - Transplanting festival

Transplanting festival of second crop paddy was conducted in the Chuzhali-Choorikkad field in Chengalayi village under the NICRA project of KVK Kannur on 30th October 2023. Around 4 acres of paddy field were revived under the NICRA project in convergence with MGNREGA funding of about 4.25 lakh with 1258 man days.

The water availability for second crop paddy was ensured by installing wooden planks in the existing check dam by the intervention and financial assistance of NICRA project under KVK Kannur.

Along with this, the construction of field bunds in convergence with MGNREGA aided the revival of second crop paddy cultivation in this area. The high yielding paddy variety 'Pournami' obtained from farmer seed exchange was used for mat nursery preparation.

The transplanting festival was inaugurated by Smt. Shobhana, Vice-President of Chengalayi Gramapanchayat. The keynote address was given by Dr. P. Jayaraj, Programme co-ordinator of KVK Kannur.





ICAR KVK-Kasaragod

Entrepreneurship development programme on Coconut value addition & Mushroom production:

The ICAR-Krishi Vigyan Kendra, CPCRI, Kasaragod organized two entrepreneurship development training programmes on coconut value addition and Mushroom production for the benefit of farmers and unemployed rural youth in Kasaragod district. The training on “Baked Coconut chips” a technology of CPCRI, Kasaragod was conducted by KVK, Kasaragod on 20th Oct, 2023 in collaboration with Post Harvest Technology Division at CPCRI with the objective



to promote medium and small scale entrepreneurship. The programme was inaugurated by Dr.K.B.Hebbar, Director ICAR-CPCRI, Kasaragod and was attended by 53 participants from SHG’s, FPO’s, SC communities and women entrepreneurs. Technical session on “Coconut value addition was conducted by Dr.Pandi Selvam, Scientist, CPCRI and Dr. M.R. Manikantan, Principal Scientist, CPCRI. Method demonstration on making of Baked chips was demonstrated as part of FLD programme undertaken by KVK Kasaragod by Dr.Saritha Hegde, SMS (Home Science). The programme was a big success with most of the trainees showing intent to start baked coconut chips on commercial scale.

Dr. Benjamin Mathew, SMS (Horticulture) conducted an entrepreneurship programme on “Oyster mushroom cultivation” on 18th October 2023 in association with Chemanad, Krishi Bhavan in which 55 farmers participated. The training programme covered various aspects like types of edible mushroom, spawn production technology and their cultivation. Method demonstration was carried out on mushroom production using locally available raw materials like paddy straw and arecanut leaf sheath. Various procedures involved like the substrate sterilization, bed preparation, temperature and humidity managements cropping room, harvesting & packing and marketing were covered in this programme.

(Dr. Manojkumar T.S, Head, Dr Saritha Hegde SMS & Dr Benjamin Mathew SMS)





ICAR KVK-Kodagu

Training programme on Recent advances in piggery and goat farming & Human - Wildlife conflict mitigation

ICAR-KVK Gonikoppal and IWVR, Doddaluvara organized one day training programme on Recent advances in piggery and goat farming & Human - Wildlife conflict mitigation for the benefit of 54 farm women of the district on 20th October 2023. Dr. Suresh S.C, SMS (Livestock) gave lecture on recent advances in selection, breeding, feeding and health management in piggery and goat farming. Dr. L Ranganath, Director, IWVR gave lecture on Human - Wildlife conflict mitigation for the gathering. Dr. K C Veeranna, Vice chancellor, KVAFSU, Bidar, Dr. Ashok Alur, Vice chancellor, Kodagu university, Doddaluvara and Dr. Lingaraj Doddamani, Deputy Director (AH) Dept. of AH&VS Madikeri were the chief guests present in the programme and they emphasized on importance of animal husbandry activities in uplifting socioeconomic status of the farmers.





ICAR KVK-Kolar

International farm women's day (Mahila Kissan Diwas-2023)

ICAR-KVK KOLAR organized International farm women's day at KVK, Kolar on 15.10.2023. Mr. Sudheer, Lead bank manager, Kolar inaugurated the program. Dr. Chikkanna G.S., Scientist (Home science) & Dr. Asha K. M, Scientist (Horticulture) presided over the function. Mr. D.L. Nagaraj, President, Krishika Samaja, Kolar was invited as chief guest. Dr. Rajesh, A.M., Assistant professor, COH, Kolar gave technical session on Entrepreneurship in the field of floriculture. Felicitated 3 successful farm women's & one girl Anushree, Inspire Awardee for developing special eco friendly agriculture equipment. KVK Scientist, officials from department of agriculture, Kolar and around 75 farm women's participated & benefitted from the programme.



World Food Day -2023

ICAR-KVK, Kolar celebrated World Food Day at Sunnangur Village of Tayaloor Hobli, Mulabagillu Taluk on 16.10.2023 in association with KSDA. Assistant Director of Agriculture, Mulbagal presided over the function. Dr. Anil Kumar, Scientist (Soil Science) explained importance of Healthy diet in controlling malnutrition with theme Water for life and food. About 70 farmers from the taluk have participated in the programme.





31st Foundation Day and Bio control Expo-2023

KVK Kolar participated in 31st Foundation Day and Bio control Expo-2023 organized at ICAR NBAIR, Yelahanka Campus, Bengaluru on 19.10.2023. During the programme showcased the KVK products related to biocontrol including charts. Sushri Shobha Karandlaje, Honorable Minister for Agriculture and farmer welfare, State, Government of India graced the Occasion. Scientists from KVK Kolar participated and explained about the importance of Bio control agents.



Method demonstration on Enrichment of Bioagents in compost as a part of FLD on Management of Late Blight of Potato through Integrated Approach

ICAR-KVK Kolar Scientist Dr. Manjunath Reddy T.B, Scientist (Plant Protection) and Dr. Anil Kumar, S. Scientist (Soil science) conducted a method demonstration on Enrichment of Bio agents in compost as a part of FLD on Management of Late Blight of Potato through Integrated Approach at Marandahalli village, Bangarpet taluk on 20.10.2023. Distributed Bioagents such Trichoderma, Pseudomonas to the FLD farmers.



District level workshop on "Importance of micro irrigation in mulberry with special emphasis on drip irrigation technology"

KVK Kolar organized District level workshop on "Importance of micro irrigation in mulberry with special emphasis on drip irrigation technology" in collaboration with Department of Sericulture, ZP, Kolar under PMKSY at College of Horticulture, Kolar on 26.10.2023. Deputy Director of Sericulture, ZP, Kolar inaugurated the programme and enlightened government assistance for drip irrigation. During the programme Dr. Shashidhar K R., Scientist (Sericulture) explained about Biological pest control in Mulberry. Dr. Anil Kumar S. Scientist (Soil Science) discussed about Fertigation methods in micro irrigation, Mrs. Swathi G.R, SMS (Agrometeorology) explained about long range forecast during summer. Shri Anjanappa, Deputy Manager, Netafim irrigation Pvt Ltd, explained about Importance of drip irrigation, installation & maintenance of drip lines and fertigation schedule. Around 200 sericulture farmers and 25 extension functionaries participated in the workshop.





ICAR KVK-Kollam

Flare up of natural enemy population of *Chilocorus circumdatus*

A natural war of *Chilocorus circumdatus* Vs *Aonidomytilus albus* (Diaspididae: Hemiptera) is reported from the cassava growing regions of Kollam district. Tapioca /cassava, *Manihot esculenta* (Euphorbiaceae) is one of the most important commercial tuber crop which is extensively cultivated in the Kollam district both in the upland and in the low land ecosystems. Continuous mono cropping of the cassava growing tracts with cassava alone over the past years has brought several issues of pest and disease problems and nutritional disorders. Recent problems of biotic stress include the incidence of cassava root rot diseases (fig 1) and cassava scale (fig 2) *Aonidomytilus albus* (Diaspididae :Hemiptera). Cassava root rot is a soil born fungal disease seriously affecting the yield by damaging the tubers by way of tuber decay. Secondly the incidence of sucking pest, the cassava scale was reported from different regions of Anchal and Kottarakkara block of Kollam district in a serious proportion. The scale insects infest on the stem of the cassava by way of congregating on the stem and suck the sap. The population of the scale insect both nymphs and adult was very high in the lower portion of the stem. As a result of the congregation of nymphs and adult, they suck sap from the stem and result in the yellowing of leaves, stunting and desiccation of the plant and ultimately death of the plant and complete yield loss occurs.

Heavy population of scale insect was reported during the September-October 2023, a team of scientists from Krishi Vigyan Kendra Kollam visited the infected plots and recommended proper remedial measures of both organic (neem garlic emulsion 2 % and later application of entomopathogenic fungi, *Lecanicillium lecanii* 20gm/ltr) and chemical measures by way of dimethoate (roger) 1.5 ml/ltr. One month after the adoption of plant protection measures, the field staff from the Department of agriculture and farmers welfare informed Krishi Vigyan Kendra Kollam regarding the incidence of a new insect in the infected plots in a serious proportion. Upon field visit, the multidisciplinary team of scientists from KVK Kollam could identify the new insect as a predatory ladybird beetle *Chilocorus circumdatus*. The identification of the predator was confirmed by Dr Poorani, Principal scientist, NBAIR, Bangalore.

Chilocorus ladybird is an efficient predator of scale insect. The team of scientists witnessed a very good population flare up of *Chilocorus* ladybird beetle in the scale infested tapioca plot. With the timely intervention, KVK Kollam was able to conserve the predatory beetle population by preventing the farmers from the pesticide application. KVK Kollam has conducted awareness programmes on the importance of natural enemies in subsiding the pest build up. KVK has demonstrated an agro ecosystem analysis (AESA) and made the farmer aware of the importance of ecosystem balance and natural biological control.





ICAR KVK-Koppal

Celebration of world food day

The world day generates awareness globally for those who suffer from hunger and ensures the need for food security and nutritious diets for all. The main focus of this day is that food is a basic and fundamental human right. World Food Day 2023 is devoted to highlighting food and agriculture and is marked every year with multiple global challenges, conflict, climate change, rising prices and international tensions. ICAR KVK Koppal in association with SKDRDP Gangavathi organised world food day on 16.10.2023 at basapatna village , ganagavathi taluk . The programme was inaugurated by Dr



Kavitha Y Ullikashi Scientist (Home Science) by lighting the lamp and explained about importance of celebration of the world food day. She also explained that nutritious diets are essential for physical and cognitive development, maintaining good health, and preventing diet-related diseases. Access to nutritious food is a right that everyone should enjoy. Unfortunately, many people worldwide cannot access diverse, balanced diets. This lack of access is often due to poverty, limited availability of nutritious foods, and a lack of nutrition knowledge. By engaging nutrition garden, education, food contest, farmers market and food waste reduction can reduce the malnutrition and hunger. Smt Radha J Scientist (Seed science and technology) explained about importance of organic and integrated farming system. Smt Sharadha Field worker SKDRDP explained different government programmes to combat malnutrition in preschool, school children and mother.

Agriculture based skill-oriented training programme

ICAR Krishi vigyan kendra ganagavathi organised on agriculture-based skill development training programme on 27.10.2023. Honourable vice chancellor Dr. Hanumanthappa inaugurated and explained the benefit of the agriculture related small scale enterprises. He also explained that micro-enterprises are the keys to generate employment opportunities as well as income earning avenues to both landless, women and landholding people. Dr. Raghvendra Yaligar senior scientist and head explained different training programme organised in the KVK and narrated the scientific method of vermi compost and bee keeping. Dr. Vishwanth special officer COA, GVT explained about benefit of integrated farming system. Dr. Mahadevappa. HOD. Microbiology explained about mushroom cultivation and value addition. Smt. Radha Scientist (Seed science and technology) explained different seed production programmes. About 50 farm women from different villages of ganagavathi benefited from the programme.





ICAR KVK-Kottayam

Monthly Technology Advisory Workshop

Monthly Technology Advisory Workshop conducted for Agricultural Department officials, block level agricultural technology managers, and pest scouts working under Assistant Director of Agriculture at KVK Kottayam on 30.10.2023. Agricultural officers presented various problems faced by farmers in crop production - soil and nutrient management, pest and disease infestation and wild animal attack in crops like coconut, arecanut, vegetables, tree crops, fruit plants, spice crops etc. Scientists from Krishi Vigyan Kendra and Regional Agricultural Research Station, Kumarakom under Kerala Agricultural University participated in the programme and suggested remedial measures to the problems presented by the officers in the workshop.

(Dr. Asha V. Pillai, Assistant Professor (Agronomy))





ICAR KVK-Kozhikode

Training on banana fibre extraction and value addition

A ten days training programme was jointly organized by KVK and ATMA, Perambra block, Calicut district on banana fibre extraction and value addition for twenty three farmers from 9 to 19 October 2023. In addition to extraction of fibres, fibre cleaning, dyeing, packaging methods were also practiced. Food items such as candy, pickle and dehydrated products were also prepared using banana pseudo-stem. The method of preparation of mushroom bed and vermicompost were also demonstrated using the waste obtained after fibre extraction. The programme was led by Ms. Deepthi. A, SMS, (Home Science).

(Ms. Deepthi. A; SMS and Dr.P.Rathakrishnan, Head)



Extraction of fibre



Extracted fibre after dyeing



Products made from banana fibre



Trainees with the products



Training programmes organized

A training was organized “Plant propagation techniques and familiarization with common machinery” for members of “Thaliru” Farmers’ Club at KVK on 31.10.2023. Hands on training on various plant propagation techniques was provided to 26 trainees. The trainees were also exposed to various farm equipment. The programme was led by Dr.P.Rathakrishnan, Head, KVK and Dr.P.S. Manoj, SMS, (Horticulture). Another one day training on intercropping in coconut and scientific care of nutmeg was also organized at KVK on 30.10.2023 in which 15 farmers attended. The programme was attended by the FLD beneficiaries and other practising farmers of Calicut. The programme was led by Dr.K. M. Prakash, SMS, Agronomy).

(Ms. Deepthi. A; SMS and Dr.P.Rathakrishnan, Head)



Training on plant propagation techniques



Training on intercropping in coconut and scientific care of nutmeg



Familiarization with farm machinery



Demonstration of various live feed for ornamental fishes

Students visit to KVK

Fifty-three students and two teachers from Nochat Higher secondary school visited KVK on 17.10.2023. They visited various demonstration units of KVK. A lecture on aquaponics and soilless culture systems was delivered to them by Dr. Pradeep B, SMS, (Fisheries).

(Dr. Pradeep B, SMS and Dr.P.Rathakrishnan, Head)



ICAR KVK-Malappuram

PPVFR Orientation workshop cum exhibition

KVK Malappuram participated in the orientation workshop cum exhibition of PPVFR at KVK, Kottayam. Sri. Shahul Hameed, President, Tirur Vettala Ulpadhaga sangham and Sri. Shalji.K, Vetiver grower from Puthuponnani, Malappuram participated as farmers from the district. The farmers were honored by the chief guest Dr. Trilochan Mohapatra, Chair person, PPVFR, GOI. GI crops such as Edayur chilli, Tirur vettala and Vetiver were exhibited in the programme.



Exhibition at District science fair

KVK Malappuram participated in the exhibition in connection with sub district science fair at Vengara vocational higher secondary school, Malappuram on 27.10.23. The exhibits, bio inputs and planting materials were displayed in the stall. Around 1000 students from the different schools in the district were visited the stall





One-Day Training Empowers Farmers in Scientific Vegetable and Exotic Fruit Cultivation

KVK Malappuram participated in the orientation workshop cum exhibition of PPVFR at KVK, Kottayam. Sri. Shahul Hameed, President, Tirur Vettala Ulpadhaga sangham and Sri. Shalji.K, Vetiver grower from Puthuponnani, Malappuram participated as farmers from the district. The farmers were honored by the chief guest Dr. Trilochan Mohapatra, Chair person, PPVFR, GOI. GI crops such as Edayur chilli, Tirur vettala and Vetiver were exhibited in the programme.



The Training in Malappuram - Scientific Vegetable Cultivation

The scientific vegetable cultivation training at KVK Malappuram, led by the renowned Dr. Akhil Raj, attracted a diverse group of farmers. The program's objective was to equip participants with cutting-edge techniques and knowledge essential for successful vegetable farming. Dr. Akhil Raj provided detailed insights into the critical process of seed selection, stressing the importance of high-quality seeds and seed treatments. Attendees were introduced to various vegetable varieties suitable for the local climate. The training covered a wide range of cultivation practices, including soil preparation, planting techniques, spacing, irrigation, and nutrient management. Participants had the opportunity to observe and practice these techniques. Attendees gained knowledge about the identification and management of common diseases and pests that affect vegetable crops. Dr. Akhil Raj introduced integrated pest management techniques and eco-friendly solutions. The training included valuable insights into post-harvest handling and storage techniques to maintain the quality and freshness of harvested vegetables, reducing post-harvest losses. The day featured interactive sessions where participants could ask questions, seek clarifications, and share their experiences, fostering dynamic learning.

Exotic Fruit Cultivation in Athavanad Panchayat

Simultaneously, Dr. Akhil Raj conducted a class on exotic fruit cultivation in Athavanad Panchayat, which focused on cultivating fruits like dragon fruit, rambutan, mangosteen, litchi, longan, avocado, and passion fruit. This class aimed to diversify agricultural practices and encourage the cultivation of high-value exotic fruits in the region. Participants of both training sessions expressed their gratitude for the valuable knowledge and practical skills gained during the events. These initiatives have received significant praise for contributing to the growth and development of agriculture in the region. The events underscore the importance of such training programs in equipping farmers and horticulturists with the latest techniques and scientific methods to boost agricultural productivity and sustainability. KVK Malappuram and Athavanad Panchayat are committed to promoting scientific agricultural practices and fostering a more robust agricultural sector in the region. Participants look forward to future initiatives and training programs that will continue to empower them in their agricultural endeavors.



ICAR KVK-Mandya

Workshop cum Mela on “Millets as Climate Resilient Crop for Sustainability”

ICAR-Krishi Vigyan Kendra, V.C.Farm, Mandya in collaboration with AICRP on Millets, GKVK, Bangalore on 31.10.2023 organized one day workshop cum mela entitled “Millets as Climate Resilient Crop for Sustainability” in order to commemorate the International Year of Millets-2023. Dr. Naresh,N.T, Senior Scientist and Head, KVK, Mandya in his introductory remarks emphasized on beneficial effects of consumption of millets and urged farmers to adopt diversified cropping system and the millets can also be grown easily under drought condition. Dr. S.S.Prakash, Dean (Agri.), College of Agriculture, V.C.Farm Mandya presided the programme and appealed to farmers to maintain soil health so that the crops grown can be healthy and in turn helps in maintaining human health. Dr. Shivakumar, N., Associate Director of Research, ZARS, V.C.Farm Mandya and Dr. Ragupathi,D, Associate Director of Extension, V.C.Farm, ZARS, Mandya were present as Chief Guest and enlightened the farmers regarding the newly released millet varieties and technologies from the University. Dr. Sukanya,T.S., Professor, AICRP on Millets, GKVK, Bangalore, Dr. R.Nandhini, Scheme Head, AICRP on Ragi and Small Millets, ZARS, V.C.Farm, Mandya, Dr. Chandrakala Hanagi, Associate Professor, ZARS, V.C.Farm, Mandya and other Scientists of KVK, Mandya provided information with respect to cultivation practices for millets production and its value addition in technical session . On this occasion Mr. Krishna, Progressive Farmer who is well versed with growing of millets in Mandya District was felicitated by the guests. The programme was witnessed by more than 121 farmers / farm women and various millets and value added products were exhibited during the programme.





ICAR KVK-Mysuru

Capacity development program to “Sahaja Samrudhhi” farmers on organic seed production and agro ecological practices

ICAR JSS ICAR JSS KVK Mysuru in collaboration with “Sahaja Samrudhhi” Mysuru organized a two days training program 30th -31st October 2023 to farmer producers of a NGO Sahaja Samrudhi Mysuru at KVK training hall Suttur. Seed technology scientist explained about seed production in crops, KVK agronomist briefed about conservation agriculture practices and cropping system in field crops. KVK horticulture scientist gave lecture on preparation organic liquid manures for soil health management and bio pesticides for management of pest and diseases.



ICAR JSS KVK Suttur Scientist Participated as resource Person

ICAR JSS Krishi Vigyan Kendra, Suttur Horticulture scientist participated as resource person in the training programme organised by Jubilent Bharathiya Foundation Nanjungudu at Nanjungudu on 31-10-2023. Scientist delivered lecture on scientific cultivation practices of Coconut and Banana, in this programme total of 60 farmers participated and got benefitted.





ICAR KVK-Palakkad

Conferment of diploma degree to 2021-22 DAESI Batch

Conferment of diploma degree to the 2021-2022 batch of the Agricultural Extension Diploma Course for Agricultural Input Dealers, a course which was implemented jointly by the Krishi Vigyan Kendra , Palakkad and ATMA Palakkad was conducted and certificates were distributed on October 19, 2023 at the Krishi Vigyan Kendra, Palakkad. The ceremony was inaugurated by Honourable MP of Palakkad Sri.V.K. Sreekandan. In his inaugural address, Sri V.K. Sreekandan highlighted the significance of Palakkad's farmers, who cultivate a wide range of agricultural crops and reside in a district blessed with the most number of dams in Kerala. He asserted that these farmers embody the very essence of the district's benevolence. He also mentioned that it is most beneficial for farmers if fertilizer dealers, who are closest to them, have more knowledge about agriculture. The program was presided over by Pattambi Municipal Corporation Development Standing Committee Chairperson Smt. P.K. Kavitha. Dr. K.V. Sumiya, Program Coordinator of the Krishi Vigyan Kendra, Palakkad welcomed the gathering. Dr. P. Raji, Associate Director of the Regional Agriculture Research Station, Pattambi, Sri. T.P. Abdul Majeed, Deputy Director of Agriculture, Palakkad, Sri. E.M. Babu Facilitator, DAESI programme and Sri. Subi Bhaskaran President of Fertilizer and Pesticide Dealer Association, Palakkad extended their greetings. Dr. S. Gunasekaran, Deputy Director of ATM Palakkad, expressed his gratitude for the program. As a mark of respect from the Krishi Vigyan Kendra , the Honourable MP of Palakkad Shri V.K. Sreekandan also conferred a memento to Dr. V. Thulasi, Associate Professor, Regional Agriculture Research Station, Pattambi who received the best scientist award in agriculture in 2022. Certificates were also distributed to all the dealers who successfully completed Agricultural Extension Diploma Course.

(Dr. Lakshmy P.S, Assistant Professor)





Training on importance of millets and millet value addition

The training event on the Importance of millets and millet value addition held at Krishi Vigyan Kendra, Palakkad, on October 18, 2023, was a valuable initiative in promoting millet cultivation and value addition. The event provided attendees with knowledge and tools to harness the economic and nutritional potential of millets. The event successfully brought together entrepreneurs and FPO personnel who play a pivotal role in promoting millet cultivation, processing and marketing. The training was conducted with the intent of increasing awareness about millets and their potential for sustainable agriculture and economic development. Participants gained a deeper understanding on the nutritional richness of millets, including their high protein, fiber, and micronutrient content. Entrepreneurs and FPO personnel learned about various value addition techniques, including processing millets into flour, making millet-based snacks, and creating millet-based ready-to-eat products. The potential for millet-based products in local and global markets was discussed, emphasizing the need for strategic marketing and branding to reach a wider audience. The group discussion and networking sessions provided a platform for entrepreneurs and FPO personnel to explore potential collaborations, share knowledge, and collectively promote millets. The event provided attendees with knowledge and tools to harness the economic and nutritional potential of millets. It is expected that the training will lead to increased adoption of millet farming practices, further growth in the millet-based products industry, and strengthened collaborations among entrepreneurs and FPOs in Palakkad and beyond.

(Dr. Lakshmy P.S, Assistant Professor)





ICAR KVK- Pathanamthitta

JUNIOR WORLD FOOD DAY CELEBRATION 2023

ICAR-Krishi Vigyan Kendra, Pathanamthitta Organised World Food Day 2023 on 19th Oct with School students. The programme was inaugurated by Smt. K.K. Valsala, President, Koipuram Block and was presided over by Smt. Jiji P. Abraham, President, Ezamattoor Grama Panchayat. Keynote address on the theme “Water is life, water is food” was delivered by Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta. On the occasion a poster competition on the Theme of the day was also conducted for school students. The year 2023 being the international year of Millets, a millet recipe competition was also held. Around 50 children from different schools of the district participated in the competitions. Kum. Elsa Maryam Jacob, NMHS School won the first prize in the millet recipe competition and Kum. Ashley Ann Abraham, NMHS Kumbanad School bagged first prize in the poster competition. An exhibition on various millet value added products was also arranged during the celebration. A technical session on “Millet Value added products” was lead by Dr. Shana Harshan, SMS (Home Sc.), ICAR-KVK, Pathanamthitta.



KSHEERA KARSHAKA MELA CUM ANIMAL HEALTH CAMP

Ksheera Karshaka Mela was held in collaboration with Erathu Farmer producer Company Ltd on 25th October 2023 at Erathu Panchayat, Parakode Block. As part of the Mela, Method demonstrations on Various methods of application of ecto-parasiticides on dairy animals viz, Herbal ectoparasiticide spray for reducing ecto parasitic infestation in calves, Flumethrin 1% applied as per the pour-on method and Amitraz dip 12.5% application as per the spray wash method was conducted to create awareness among dairy farmers. Training session on 'Scientific disease management in Dairy cows 'was also held as part of the program. Animal health camp conducted as part of the Mela could cater around 100 Dairy animals. The program was presided over by Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta and was inaugurated by Shri. Santhosh Chathanupuzha, President, Erathu Gram Panchayat. The technical sessions was lead by Dr. Sency Mathew, SMS (Animal Sc.).





ENTREPRENEURSHIP DEVELOPMENT PROGRAMME ON 'INCUBATION AND SCIENTIFIC EGGER NURSERY MANAGEMENT'

Entrepreneurship development programme (EDP) on “Incubation and scientific egger nursery management “was organised in collaboration with Navajeeva Kendra Deaddiction centre, Malayalapuzha from 10th Oct 2023 . The EDP included theory as well as practical sessions on the types of incubators, methods of incubation, setting, candling, fumigation and selection of eggs for incubation , setting up of brooders and scientific management of chicks, brooding, feeding and general management and vaccination of birds. Vaccination and their role in disease prevention licensing procedures, bio security and disease management were also included. The valedictory function was inaugurated by Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru and was presided over by Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta in the presence of Rev. Monecy Jacob, Director, Navajeeva Kendra De addiction centre, Malayalapuzha. As part of the programme interactive session with the trainees was also arranged. The technical session was lead by Dr. Sency Mathew, SMS (Animal Sc.).



VISIT OF THE DIRECTOR, ICAR-ATARI, BENGALURU

Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru visited the units of KVK promoted Agri entrepreneurs on 18th October 2023 along with Dr. C.P. Robert, Senior Scientist and Head, KVK, Pathanamthitta and other KVK Scientist and interacted with the entrepreneurs. The Lotus farming unit of Ms. Ajitha Pradeep and Black Soldier farming unit of Mr. Arun Jacob, an ARYA entrepreneur were well appreciated by the Director.



(Dr. C.P Robert, Senior Scientist and Head, Dr. Sindhu Sadanandan, SMS (Agril. Extension), Dr. Shana Harshan, SMS (Home Sc.) and Dr. Sency Mathew, SMS (Animal Sc.))



ICAR KVK- Raichur

Skill Development Training Program on Making of Bakery Products

ICAR Krishi Vigyan Kendra, Raichur scientists organised 10days bakery training program from 10th to 19th October 2023. The training was organised in collaboration with department, of Processing and Food Engineering, College of Agricultural Engineering Raichur. 20 SHG women from Raichur district. were participated in the training and more than 15 products hands on training was given to SHG women like Bread, different biscuit, bun, cream bun, pizza, different cakes, birthday cake decoration, donut, muffins, puffs, dilpasand. Women were happy that they made all products on their own and it was exhibited in the valedictory ceremony. They got appreciation from Director of Extension Dr. S B Goudappa, ADE Dr. Kurbar, Dean of CAE Dr. Nemichandrappa, University head Dr. U R Nidoni, dept head Dr. Sharangouda Hiregoudar, senior scientist and head of icar kvk Raichur Dr. S N Bhat, Dr. Hemalatha K J, Dr. Shreevani G N were present in the program. Dr. Veena T and Dr. Sudhadevi G were the organizers of this training.





ICAR KVK- Ramanagara

Celebration of Mahila Kisan Diwas and World Food day

ICAR-Krishi Vigyan Kendra Ramanagara celebrated Mahila Kisan Diwas and World Food day- 2023 on 16.10.2023 at KVK premises. The programme was inaugurated by the women scientists of ICAR-KVK Ramanagara and farm womens by pouring water on the plant. On this special occasion Senior Scientist and Head of KVK, Dr. Lata R. Kulkarni said that every year 16th October is celebrated as World Food Day across the world in honour of celebrating foundation day of Food and Agriculture Organization and the theme is on “Water is Life; Water is Food, Leave No One Behind”. She also addressed the gathering and talked about World Food Day is a day mainly dedicated to tackling global hunger. On this day people around the world join together to declare their commitment to eradicating hunger. Also people who are suffering from hunger around the world should be made aware of the necessary measures to ensure food security and nutritious food and that food production in the country should be emphasized and food should not be wasted. During training-cum-demonstration highlighted about millet cultivation, nutrition diet, water conservation methods and also about drudgery reducing tools. Dr. Sowjanya, S., Scientist (Agricultural Extension), highlighted about the significance of celebrating Mahila Kisan Diwas and the important contribution of women farmers in agriculture and allied sector. This year the theme is on “Millets: Empowering Women and Providing Nutritional Security” and expressed that women are the primary producers of the food grains, custodians of biodiversity and millets are an important food grain from our indigenous food systems. Millet-based farming is the answer to cope with the changing time as Millet farming preserves biodiversity and empowers women farmers as cultivators to agripreneurs and self-employed women; more confident in their abilities and are better able to address their problems and also highlighted the necessity for empowering and encouraging women farmers as 85 % of agricultural and allied activities depends on her and the role of ICAR-KVK in recognizing and supporting women in agriculture. Mrs. Shanta Balagonda, SMS (DAMU) addressed about the importance of water conservation in the changed weather conditions, the need for alternative contingency crops planning in drought conditions and the weather information available from the ICAR-KVK Ramanagara on every Tuesday and Friday. On this special occasion, exhibition was organized and Chakramuni plants were distributed to participants. Scientists of KVK Dr. Deepa Pujara, farm manager Mrs. Umarani, staff members Mr. Srinidhi, Mr. Hariprasad, farmer women and Krishi sakhis of Ramanagara shared their farming experience, participated and made the program a success.





ICAR KVK- Shivamogga

“Importance of Nutri-garden in Balanced Health”

ICAR KVK- Shivamogga celebrated special program on the eve of WORLD FOOD DAY on 16-10-2023 at Kunchenahalli village of Shivamogga district. On this special day conducted off campus training of the “Importance of Nutri-garden in Balanced Health”. Distributed seed kits and saplings of drumstick, curry leaf, papaya and lemon to the farm families who had backyard facilities to initiate the nutri-garden. Home Scientist Dr. Sudharani, N., educated the farm families about the recycling home trash, water and other resources by effective utilization of front and backyard space to grow nutrient-dense vegetables and fruits. As per the ICMR recommendations it will help all family members, particularly women and children, to consume at least 250 gm of vegetables and 300g of fruits per person per day throughout the year and also explained the importance of nutri-garden in maintaining their optimum health by managing many life style disorders and economic benefits by reducing the cost of purchase of fruits and vegetables from outside which are rich in pesticide residues. Dr. Anjali, Scientist (Soil Science) explained about the eco friendly soil and water management techniques with minimal usage of pesticides and herbicides. Total of 45 farmers were participated and benefited by nutri- garden session.



(Dr. Sudharani, N., Scientist)



ICAR KVK- Thiruvananthapuram

Banana Pseudostem Injector- Novel Technology to Banana Farmers

KVK demonstrated battery-operated banana pseudostem injector to banana farmers' of Chenkal Grama panchayat. Hon'ble MLA of Neyyattinkara constituency, Shri.K.Ansalan, inaugurated the front line demonstration programme by handing over the equipments to Banana farmers. Using the equipment insecticide could be injected into the plant's stem preventing attack of banana stem weevil or banana pseudostem borer that is a major problem faced by farmers cultivating banana.

This equipment is used for injecting pesticide into the banana plant helping prevent Banana pseudostem attack. The conventional method of spraying solution on banana leaf axles to control pseudostem disease is time-consuming. In this process, large amount of solution is applied with high evaporation loss. To reduce the drudgery associated with this process, an

injector developed by ICAR-CIAE and NRCB was demonstrated. Using the device liquid is directly injected into the pseudostem of a banana plant after inserting a separator needle directly into the soft tissue of a banana pseudostem.

Dr. Binu John Sam, Senior Scientist and head explained the advantages of injector to farmers with Er.Chithra. G; SMS Agricultural Engineering, demonstrating its use. The field capacity of the machine was 6 hr/ha. ADA of Parassala Shri.Suresh and AO of Chenkal Smt.Ancy R.J also attended the programme. The demonstration was carried out using battery-operated Backpack model that was a great hit with the farmers owing to its portability. Another advantage was the correct amount of liquid could be injected into the banana stem using the equipment without any wastage. The control unit attached with an electronic embedded system helps in the injecting of the predetermined quantity of liquid into the stem. The spillage of the solution applied is less than 2%.

Smt.Bindu R. Mathews, SMS Plant Protection discussed the pest and disease management practices of banana to farmers.





ICAR KVK- Thrissur

Inauguration of DAESI programme

One year diploma course titled 'Diploma in Agricultural Extension Services for Input Dealers (DAESI)' for 2023-24 was inaugurated at KVK Thrissur on 20/10/2023 by Honorable Minister for Revenue, Adv. Rajan. District panchayat president Sri Davis master chaired the programme and ATMA Project Director Sri Anoop M.P., explained the DAESI course. The key note address was given by Director of Extension KAU, Dr. Jacob John. The felicitations were given by Madakkathara Panchayat president, Principal



Agricultural Officer, and Presidents of Pesticide Dealer Associations. The DAESI course was designed by National Institute of Agriculture Extension Management (MANAGE) to impart relevant and location-specific agricultural education to equip the input dealers with sufficient knowledge to transform them into para-extension professionals so as to enable them to address the day-to-day problems being faced by the farmers at field level. ATMA will be the district-level nodal agency for the implementation of DAESI program. KVK will be the Nodal Training Institute (NTI) that will actually conduct the DAESI program. About 40 input dealers have registered for DAESI programme 2023-24.

Field visit at Central Prison, Viyyur

KVK Thrissur conducted a field visit at Central Prison, Viyyur on 25/10/2023 to explore the possibilities of converting 100 acres of land, of Central Prison to arable land. Sri. Ajayakumar P, DIG led the discussions on the utilization of the manpower and land to produce fruits and vegetables and also to avail the positive effects of horticultural therapy in the correction process of the inmates. Department officials also participated in the field visit. Krishi Vigyan Kendra offered to provide



technical guidance and the Department of Agriculture offered supervision and inputs through various schemes. It has been proposed that the technical officer of KVK will make frequent visits to guide the prison officers. It has also been proposed that the families of inmates from Thrissur district would be trained so as to look into the possibilities of their skill development, thereby enhancing their livelihood security. The team went around the 100 acres and discussed about the layout, probable crops, water sources and irrigation network, etc. It was decided to work as a team to ensure food and nutritional security of the inmates of the prison.



Empowering backward communities through millet cultivation and processing

Millets, a group of drought resistant and nutritional crops, offer an ideal platform to uplift marginalised communities by promoting self-sufficiency, income generation and food security. Krishi Vigyan Kendra, Thrissur has initiated a skill development training programme for scheduled cast and scheduled tribe communities with a goal to impart knowledge and skills related to millet cultivation, post harvest handling, processing and value addition. Around 30 scheduled cast members, majority being women from Mullassery block of Thrissur district, attended training on 27/10/2023 on millet cultivation and processing at KVK, Thrissur. They are actively involved in the preparation of millet based cookies, muffins, soups and crackers which are marketable and can be scaled up as a livelihood opportunity. Empowering backward communities through millet cultivation and processing presents a multifaceted approach to addressing socio-economic disparities and promoting sustainable agriculture.





ICAR KVK- Tumkur - I

Skill training program for rural youths on Nursery Management

ICAR KVK Konehalli organized 6 days skill development training program for rural youths on Nursery Management from 16th to 21st October 2021. The program was inaugurated by Dr. V. Govinda Gowda, senior scientist and head, KVK, Konehalli and address the trainees that There are tremendous employment opportunities all over the globe in the field of horticulture, especially floriculture and landscape architecture, and there is a big demand of skilled persons. This training will enhance the skill regarding nursery techniques. In continuation he mentioned that This training programme is also useful for the skilled human resource employed in the Government nurseries, development departments, gardeners, commercial nurserymen, amateur horticulturists, etc to upgrade the knowledge. Scientists from KVK, Konehalli and Nursery enterprise from Tiptur trained the participants regarding Importance of Nursery and its types, importance of green house technology and its construction, layout & input requirements, different propagation techniques, Common Possible Errors in Nursery Activities, Nursery Technology for Some Important Tree Species, Nursery Pest & Disease Management, Planning and Scheduling of Nursery Activities, Examples of Successful Model Nurseries, Economics of Nursery Development, Record Management, Online Nursery Information and Sales Systems, Field Demonstration. Totally 15 rural youths were participated and received the certificates.



Field day on Inter-cropping of Hebbal Avare (HA-4) in younger arecanut gardens

ICAR Krishi Vigyan Kendra, Tumkur-1 conducted field day on demonstration of Inter-cropping of Hebbal Avare (HA-4) in younger arecanut gardens at Devihalli from Turuvekere Taluk, Dr. Keerthishankar, Scientist, KVK Tiptur addressed the farmers that Practicing mono cropping in younger arecanut gardens reduces soil fertility, increase weed menace (90%) and no returns (up to 4 years. For this problem we conducted demonstration to cultivate hebbale aware as a intercrop under younger arecanut.



Though HA-4 is a bushy type, helps in weed suppression and best suitable for intercropping with good economic returns. KVK scientist Dr. Padmanabhan and neighboring farmers from Turuvekere were present during this programme.



Celebration of World Food Day

ICAR, KVK, Tiptur, Tumkur-1 celebrated Mahila Kisan Diwas and World Food Day at paruvagondanahalli village of Tiptur taluk on 16-10-2023. Dr. Nithyashree, K., Scientist (Home Science) briefed on importance of the programme and explained the theme of world food day-Water is life water is food. Leave no one behind and also gave information on balanced diet and Nutrigarden



which helps to maintain healthy life style. On this occasion fruit & Aromatic planting materials were distributed to the farmers. A total 60 farmers and farm women were participated in this programme.

Scientific coconut cultivation for high yield, disease management and its value addition

ICAR, KVK, Tiptur, Tumkur-1 organized training programme on “Scientific coconut cultivation for higher yield, IPM, IDM and value addition for enhancing farmers income” in collaboration with coconut producer company, FPO, Kunigal, Coconut Development Board, Bangalore and Department Horticulture, Kunigal on Bukkasandra village of Kunigal taluk on 27-10-2023. The programme was inaugurated by Dr. K. Narayangowda, EX-VC, UAS, GKVK, Bangalore and addressed the farmers regarding the importance of this training programme on scientific coconut cultivation. Dr. Keerthishankar, K., Scientist (Horticulture), KVK Tumkur-I delivered a lecture on ICM and inter-cropping practices in coconut. Mr. Manoj, H., Scientist (Plant Protection) gave a information on integrated pest and disease management in coconut. Dr. Nithyashree, K., Scientist (Home Science) briefed about coconut value addition and its health benefits. A total 65 farmers were participated in this programme.





ICAR KVK-Tumkur - II

One day training programme on entrepreneurship development for youths of Tumakuru district was organized at KVK, Hirehalli in collaboration with Navya Disha on 27th October 2023. The programme was inaugurated by Dr.B.L. Manjunath, Chairman ITMU and Ms. Archana, Navya Disha-NGO, Co-ordinator, Tumakuru in the presence of Dr. Loganandhan,N., Principal Scientist & Head. During the day Dr.B.L. Manjunath, Chairman ITMU & Principal Scientist IIHR, Bengaluru addressed the trainees and gave insight on technologies and opportunities available in IIHR for young entrepreneurs. Around 35 farm youth participated in the programme. Trainees were taken to production units and briefed about the technologies and its usage in the horticultural crops. The programme was coordinated by K N Shashidhar and Dr.Loganandhan.

(K.N.Jagadish & K.N.Shashidhar)





ICAR KVK- Udupi

Inauguration Ceremony of Krishi Sakhi Capacity Building Program

Government of Karnataka, Zilla Panchayath, Udupi District; Sanjeevini – K.S.R.L.P.S., Skill Development, Entrepreneurship and Livelihood Department; Keladi Shivappa Nayaka University of Agriculture and Horticultural Sciences, Iruvakk, Shivamogga; Indian Council of Agricultural Research – Krishi Vigyana Kendra, Brahmavara, Udupi District jointly organized a week-long training program for community resource persons (Krishi Sakhis) at KVK-Udupi. The opening ceremony was held on 16.10.2023. Mr. James D'silva, Assistant Project Director, ZP, Udupi inaugurated the program. He spoke on the importance of this training in the career of Krishi Sakhi's who in turn empower rural women. Dr. Lakshmana, Associate Director of Research, ZAHRS, Brahmavar presided over the ceremony and opined that Krishi Sakhis may try to be in touch with rural farmers in order to disseminate agricultural technologies to farms. Guests, Dr. Sudhir Kamath from DCoA, Brahmavara; Mr. Avinash and Mrs. Navya from ZP, Udupi were present as guests. Dr. Raviraj Shetty welcomed the gathering and Dr. Acharya compered the program. Dr. Naveen N.E. delivered vote of thanks.



Valedictory Ceremony of Krishi Sakhi Training Program

Zilla Panchayath, Udupi District; Sanjeevini – K.S.R.L.P.S., Skill Development, Entrepreneurship and Livelihood Department; Keladi Shivappa Nayaka University of Agriculture and Horticultural Sciences, Iruvakk, Shivamogga; Indian Council of Agricultural Research – Krishi Vigyana Kendra, Brahmavara, Udupi District jointly organized a week-long training program for community resource persons (Krishi Sakhis) at KVK-Udupi. Valedictory ceremony upon conclusion of the program was held on 21.10.2023. Dr. Lakshmana, Associate Director of Research, ZAHRS, Brahmavara presided over the ceremony. Chief Guest, Mr. Prashanth, V. Rao, Project Director, ZP, Udupi, released training kit, and distributed training certificates. He emphasized that for women empowerment at rural levels, Krishi Sakhis would play a great role. Dr. Sudhir Kamath, Principal, Diploma College of Agriculture, Brahmavara and Mr. Avinash, coordinator of NRLM were present. Dr. Dhananjaya B, Senior Scientist and Head, KVK-Udupi welcomed the gathering, Dr. Acharya delivered vote of thanks while Dr. Sachin U.S compered the program.





ICAR KVK- Uttara Kannada

Diagnostic visit to problematic Arecanut garden

Arecanut is the major commercial crop of UttaraKannada district, Karnataka cultivated in an area of 30548.89 ha as rained crop. In Banavasi and mundagod taluk majority of Arecanut gardens shown yellowing, dryieng of leaves and root decaying symptoms. Samples were collected and examined in the laboratory. It is observed that incidence of root rot by fungus *Ganoderma* sps and we are suggested drenching of copper oxy chloride 3 gm with vitavax power 2 gm per liter of water two times 20 days interval. Suggested farmers to maintain good sanitation, and separate the affected palm by digging trench around the plant.



Diagnostic visit to problematic Arecanut garden

Arecanut is the major commercial crop of UttaraKannada district, Karnataka cultivated in an area of 30548.89 ha as rain fed crop. In Sirsi and mundagod taluk majority of Arecanut gardens shown small round light to dark brown spots surrounded by dark brown margins and yellow hallow on leaves its shows the severe infection of leaf spot disease caused by fungus *Colletotrichum* species. These outbreaks occurred despite use of chemical control measures, probably due to increasing prevalence of fungicide resistance or changes in population structure or prevalence of favourable weather conditions over a relatively long period of time and we are suggested spraying fungicide Propiconazole 1 ml per liter of water two times 20 days interval and also suggested farmers to maintain good sanitation, remove dried and infected leaves.





ICAR KVK- Vijayapura - I

Celebration of Mahila Kisan Diwas

ICAR-KVK Vijayapura 1 celebrated Mahila Kisan Diwas in KVK. Dr. M. B. Pattashetti ATMA District coordinator inaugurated the event given an addressed to farm women about role of farm women in agricultural activities and different government schemes related to agro entrepreneurs for women. Dr. Savita Patil, assistant professor, college of Agriculture, Vijayapur explained about contribution of farm women in agricultural field from ancient to present situation. Dr. S.M Vastrad, senior scientist and head, expressed that, farm women taking more responsibilities in pre and post harvest activities in agricultural and allied, but there is need to take decision and involvement in marketing leads to holistic development of farm women. Dr. Shweta A. Manniker, SMS (Home Science) made discussion with farm women about farm women empowerment in rural enterprises, advantages SHGs to create micro agro enterprises. Need and scope for processing and value addition of agro products. A total 58 farm women were be part of this occasion.



Celebration of World Food Day

World food day on October 16, 2023 was celebrated by KVK Vijayapura 1. Dr. I.K. Kalappanavar., Dean (College of Agricultural, Vijayapura) inaugurated the programme and given an addressed to participants about theme water is life, water is food. Leave no one behind.' The pivotal role of water covers a significant portion of the planet's surface, playing a crucial role in supporting essential functions such as food production and livelihoods. Dr. Ashok Sajjan., ADR Vijayapura told that, food is vital source of energy for living beings, India is producing food but we are lacking in post harvest management techniques that leads to food insecurity in India so, there is need to adopt innovative technologies to upgrade food production. Dr. S.M.Vastrad., senior scientist and head expressed about need for cultivation of organic or natural farming to conserve soil and water for future generation. Dr. Shweta A. Mannikeri., SMS (Home Science) deal with a session on role of different food groups in daily life. Role of nutrients to eradicate malnutrition in childhood, pregnancy and lactating period. Millets consumption for nutritional security. Scope for agro micro processing industries. A total 38 farmers were participated in the event.





Mushroom Cultivation: An Alternative for Sustainable Livelihood and Nutritional Security

Nowadays, farmers and rural youths are seeking interest towards secondary agricultural. So, that ICAR-KVK Vijayapura 1 organized one day training on 20.10.2023 about mushroom cultivation and value addition in KVK. Dr. R.B. Belli., ADE, Vijayapura inaugurated the occasion and communicate with farmers about mushroom cultivation; mushroom is very sensitive crop that's why it need special skill, interest and management and important nutrients which helps improve health & nutritional security. Dr. Shreenivas. G. Professor (microbiology), (College of Agricultural, Vijayapura) took a session on cultivation, climate, hygiene and duration of mushroom cultivation. Mushroom different varieties suitable for cultivation in Vijayapura. Dr. S.M. Vastrad explained about importance of mushroom cultivation to upgrade the income of farmers. He also expressed that; mushroom is the key to start up an agro entrepreneurship to rural youths. Shri Virupakshaya Shatrimath, mushroom grower told his opinion, experience, problems and scope for mushroom cultivation in Vijayapura. Dr. Shweta A. Mannikeri., SMS (Home Science) given a method demonstration on mushroom cultivation, different stages, maintenance of climate & humidity for good yield, batching method to get continuous yield, reasons for contamination and how to overcome from that. Ways to sustainable livelihood through mushroom cultivation and value addition. A total 42 farmers were attained the training programme. Farmers registered their name for batch wise skill training for 5-10 days in KVK Vijayapura 1.



Organic manure production training:

ICAR-KVK Vijaypur-1 has organized 3 days on campus training on “Organic manure production technologies and their usage in Agriculture” to Vijayapur district farmers. The training was organized from 19-21st October, 2023. In the training, different technologies of production of organic manures, fertilizers, pesticides were dealt to farmers. In the training, around 30 farmers from Masuti, Talikoti and Mulavad villages were participated and got benefited. During session, Dr. Prakash H.T, Dr. Shilpa Chogatapur, Dr. S. M Vastrad etc. were also delivered the lectures on the above said topics.





ICAR KVK- Vijayapura - II

“Nutritional education for pregnant women”.

Dr. Veena Chandawari (Home Scientist), Conducted off campus training programme at lachan road, Indi . Pregnancy is a time of intensified nutritional vulnerability, and the nutritional status of women before and during pregnancy can have a substantial influence on fetal and maternal outcomes. The importance of maternal nutrition to fetal development and birth outcomes has been investigated. Maternal nutritional deficiencies have been related to adverse maternal and birth outcomes including anemia, premature delivery, low birth weight, and other morbidities. To avoid some complication during before and after pregnancy. Pregnant women certain nutrients like protein, iron, folic acid, iodine, and choline. It's also important to get enough calcium, vitamin D, potassium, and fibre. Making smart food choices can help you have a healthy pregnancy and a healthy baby. During pregnancy she should include Healthy eating routines like Season wise Whole fruits guava, apples, oranges, mango, and bananas. Season wise vegetables like - sweet potatoes, beetroots, carrot, all green vegetables. Whole grains - millet and whole-wheat. Proteins-like lean meats and chicken, eggs, seafood, nuts and seeds, Low-fat or fat-free dairy- like milk, yogurt, cheese. lactose-free dairy and Oils - like vegetable oil, olive oil and nuts.



Pregnant women take a prenatal supplement every day. Folic acid helps prevent some birth defects of the brain and spine. Choose a prenatal supplement that has 400 to 800 mcg of folic acid iron helps your baby develop, and many women don't get enough iron during pregnancy. Iodine is important for your baby's brain. If you use salt at home, make sure it's iodized salt (salt with added iodine). Avoid certain foods like Raw (uncooked) or rare (undercooked) fish or shellfish, Raw or rare meats, poultry, or eggs, Unpasteurized juice, milk, Raw sprouts, including, clover, radish, and mung bean sprouts. Limit drinks with caffeine and added sugars. Drink plain water instead of sugary drinks like soda, fruit drinks, sweetened waters, and energy or sports drinks. Try adding fruit or herbs to your water for a fresh flavor. Around 25 pregnant women and 20 ASHA workers are participated.

Participated as resource person for the training programme on “Integrated crop management in Chilli”

ICAR-KVK (Vijayapura-II) Indi: participated as resource person for the training programme on “Integrated crop management in Chilli” organized by CoramandalInternational Pvt. Ltd at Keruru village of SindagaiTq. Dr.Prakasha G., Scientist (Agronomy) briefed the Chilli cultivation practices. Chilli crop being grown in all the seasons but best yielding were observed during June-July month and soil with well drained loamy soils rich in organic matter with pH range 6.5-7.5 are suitable. Seed rates are varied in chilli, for varieties: 1.0 kg / ha, Hybrids: 200 - 250 g / ha and nursery area: 100 sq.m/ha required. For better seed germination and growth treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g/kg. Addition of FYM 25 t/ha, NPK 30:60:30 kg/ ha and potassium as K₂SO₄ into the soil will improve the quality of chilli.



Foliar spray of Zn SO₄ @ 0.5 per cent thrice at 10 days interval from 40 days after planting and spray 19:19:19 + Mn@ 1 % at 60 days after planting will increase the plant growth and yield. Fluchloralin @ 1 lit a.i./ha or Pendimethalin @ 1 kg a.i./ ha. or Oxyflourfen @ 0.15 kg a.i./ha as pre-emergence herbicide and combined with hand weeding once and earthing up 45 days after planting will reduce the crop loss and improve the yield by reducing the weed problem. Chilli crop grown as intercrop with onion in paired row system to get additional income by utilizing the land. Scientist also suggested the crop protection practices viz, set up pheromone traps for *Helicoverpaarmigera* or *Spodopteralitura* at 20-30 Nos./ha. Spray environmental friendly insecticides, 5% Neem extraction, 1500 ppm neem oil or 3% karanja oil. Use bio-pesticides *Beauveriabassiana*, *verticilliumlecanii* and *Metarhiziumanisopliae* 5 gram per lit of water for minimizing the pest and disease. Use recent molecules for pest control: 0.5 ml Imidachloprid 17.8 SL, 0.3g Thiomethaxam 25 WG, 1 ml Fipronil 5 SC, 1.2 g Difenturon 50 WP, 0.6 ml Stinosterom 11.7 SC, Difenturon (47%) + Bipentrin (9.4%) @ 1.25 ml/lit. During this event Marketing manager, Sales executive and other staff of CoramandalInternational pvt.ltd were attended the event along with 150 farmers and local representatives.



Off campus training programme on “Importance of fodder crops in livestock production”

ICAR-KVK (Vijayapura-II) Indi: Conducted off campus training programme on “Importance of fodder crops in livestock production” at Ahirasanga village of Indi tq. Dr. Prakash G., Scientist (Agronomy) welcomed all the scientist and farmers to the event and explained the importance of fodder crops, types of fodder crops (Leguminous, Non-leguminous and tree fodder). Suitable environment, climate, soil, variety, water, and nutrient requirement. Green fodders are rich in nutrients and also the primary source of Vitamin 'A'. Balanced feeding of green fodder increases immunity status of animals. It reduces the cost of milk production through reduced feeding of concentrates. Scientist also briefed the different types of green fodder crops: Non leguminous viz, Fodder sorghum, Maize, Oat, Bajra, Finger millet, Super Napier, Para grass, Guinea grass. Anjan, Rhodes grass, Signal, Elephant grass etc, which are rich in carbohydrates and low in portions and are most suitable for silage making. Leguminous crop include, Fodder cowpea, Lucerne, berseem, soybean, mothbean, greengram Hedge Lucerne, stylo and perennial groundnut etc which are a major source of protein, can also be conserved in silage or hay for feeding at a later stage. The low moisture content of hay considerably reduces costs and efforts involved in transportation and handling. Tree fodder crops Subabool, Gliricidia, Agase (Sesbania) etc are suitable by providing the green fodder throughout the year when scarcity of green fodder crop. Fodders and grasses can be preserved either as hay (dried fodder) or assilage (wet fodder), depending on the weather conditions and the available resources. Silage and hay are fed in some high input farms in India to bridge seasonal scarcity periods. Around 40 farmers were benefitted from this training.



(Dr. Prakash G., Scientist (Agronomy))



ICAR KVK- Wayanad

One day training on Organic farming

ICAR KVK Wayanad conducted one day training on organic farming. In this event, classes were lead by Smt. Sruthi Krishna, Research Assistant, KVK Wayanad. Topics on scope and importance of organic farming, organic preparations, marketing of organic products, future scope were explained in detail. 51 farmers actively participated in the practical session on the preparations of various organic products like panchagavya, egg aminoacid, fish amino acid etc.



Theory session on Importance and scope of organic preparations

Monthly Technical Advisory meeting at KVK Wayanad

KVK Wayanad conducted one day MTA meeting for Assistant Directors of Agriculture and Agricultural Assistant from Department of Agriculture & Farmer Welfare collaborated with ATMA Wayanad for effective resolving of farmers problems besides on updating the extension functionaries of the advanced agricultural technologies. In the programme, welcome speech was given by Sri. Sirajudheen, Deputy Director, ATMA Wayanad. Presidential Address was given by Smt. Jyothy P. Bindhu, Project Director, ATMA Wayanad and the function was inaugurated by Dr. Safia N.E, Senior Scientist and Head, KVK Wayanad. Dr. Arularasan G.S, Assistant Professor, Agricultural Extension, KVK Wayanad given facilitation to the gathering. Classes were led by Sri. Rajan V.P, Assistant Professor, Agricultural Entomology. Agricultural Assistants from four blocks actively participated in the event.



MTA meeting at KVK Wayanad

Glimpes of Chamarajanagara

Male Mahadeshwara Temple



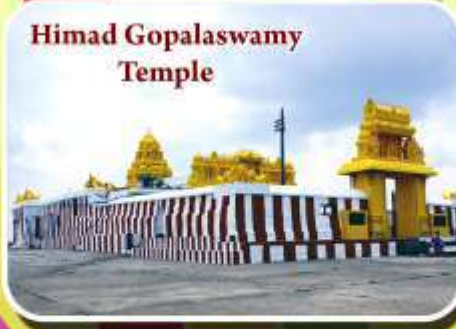
Biligirirangaswamy Temple



Bharachukki Falls



Himad Gopalswamy Temple



Bandipura National Park



Chamarajeshwara Temple



Suvarnavathi Reservoir



ICAR KVK Chamarajanagara



