



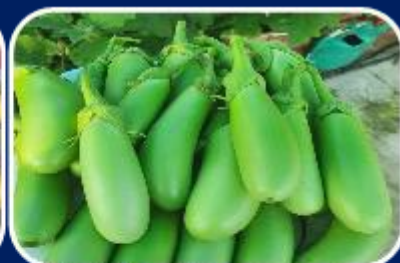
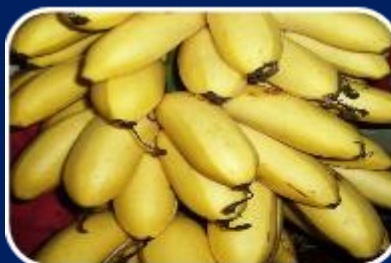
KVK TIMES

Vol 1 | Issue 33 | 1-15 November 2022



MYSURU HERITAGE CROPS

**A Window
to KVKs of
ICAR ATARI**



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ICAR JSS Krishi Vigyan Kendra, Suttur, Mysuru district



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Message



KVK, is an integral part of the National Agricultural Research System (NARS), aims at assessment of location specific technology modules in agriculture and allied enterprises, through technology assessment, refinement and demonstrations. KVKs have been functioning as Knowledge and Resource Centre of agricultural technology supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district and are linking the NARS with extension system and farmers. I am feeling very proud and happy about ICAR JSS Krishi Vigyan Kendra, Suttur, Mysuru district for their constant dissemination of technologies to the farming community across the district and helping out the farmers in adopting the same. I appreciate the initiatives of ATARI Zone-XI to show case the activities of all KVKs of the zone which helps in cross learning among KVKs. I congratulate ICAR JSS Krishi Vigyan Kendra for bringing the 33rd issue of KVK TIMES of ZoneXI for this fortnight from 1-15 November 2022. My sincere thanks to Dr. V. Venkatasubramannian, Director, ICAR-ATARI, Bengaluru Zone-XI for his constant support in carrying out the KVK activities. I also extend my thanks to Dr. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga for their constant encouragement to our KVK activities. I praise the attempt of Smt. H.V. Divya, Senior Scientist and Head (l/c), ICAR JSS Krishi Vigyan Kendra, Suttur and all the staff of the KVK in bringing the 33rd issue of KVK TIMES. My best wishes to the KVK fraternity for their future tasks.

Date : 15 November 2022

Place : Mysuru

Sir. N.M. Shivashankarappa

Director

Rural Development Division

JSS Mahavidyapeetha, Mysuru



ICAR-Agricultural Technology Application Research Institute, Zone XI

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Foreword



The Farm Science Center formally Krishi Vigyan Kendra, functions as liaison center between farmers and the research center. The KVK act as extensional functionaries but also conduct research work at farmers level.

The ICAR JSS Krishi Vigyan Kendra, Suttur, Mysuru is a pioneer institute among the KVKs in India. They have done splendid work for the farming community of the district. Seed production, Agri clinic facilities, organizing Krishimelas, seminars, workshops and production of quality planting material, organic inputs are some of the noteworthy activities carried out by the Kendra. With all these efforts, the KVK has attained "Best Zonal KVK Award" during 2010.

I am happy to inform you that ICAR JSS Krishi Vigyan Kendra, Mysuru bringing out 33rd issue of 'KVK TIMES' of Zone-XI for the period 1-15 November 2022.

I appreciate the efforts of Smt. H.V. Divya, Senior Scientist and Head (I/c) and her team in compiling and documenting the activities of all the KVKs of Zone-XI for the period 1-15 November 2022.

I wish for the KVK team good fortune and a prosperous future.

(V Venkatasubramanian)

Director, ATRI, Zone-XI

Bengaluru
21 November 2022



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Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga-577 204

Message



Through the Frontline Extension System, KVK plays an important role in the transfer of technologies from research stations to the doorsteps of farming communities. The contribution of KVKs in agriculture is remarkable and they are playing an important role in closing the gap between research institutes and farming communities. It thrives hand in hand to improve the socioeconomic conditions of the rural masses by creating self-employment opportunities for their livelihood security.

Documentation of various extension activities carried out by KVK is a critical task, and this will provide a suitable platform for all KVKs to showcase their achievements, get to know one another and be acknowledged.

Under the dynamic leadership of Dr. V. Venkatasubramanian and his team, the ATARI, Zone XI, Bengaluru is doing an excellent job of showcasing the outreach activities in the name of KVK Times. This would be a convenient way to access important milestones achieved in the zone.

I express my heartfelt gratitude to Smt. H.V.Divya, Senior Scientist & Head (I/c), ICAR JSS KVK Suttur, Mysuru district and her dedicated team for covering the important events and activities of KVK's in this issue.

Date : 15 November 2022
Place : Shivamogga

Dr. B. Hemla Naik
Director of Extension
KSNUAHS, Shivamogga



Acknowledgment



I would like to acknowledge and give my warmest thanks to Dr. V. VENkatasubramanian, Director and all the nodal scientists and staff of ICAR ATARI, Zone-XI, Bengaluru for providing us an opportunity to bring out 33rd issue of KVK TIMES of Zone-XI for this fortnight from 1-15 November 2022. I sincerely thank His Holiness Jagadguru Sri Sri. Shivarathri Deshikendra Mahaswamiji, Sri. Veerasimhasana Mahanasamsthan Math, Suttur and Dr. C.G. Betsurmat, Executive Secretary and Sri. N.M. Shivashankarappa, Director, Rural Development, JSS Mahavidyapeetha, Mysuru for this constant guidance and advice for the overall development of KVK.

I would also like to thank Dr. Hemla Naik, Director of Extension, Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences, Shivamogga for his technical support and constant encouragement for our KVK activities.

I would also like to give special thanks to Zone-XI KVK family in sharing the activities and continuous support for compiling the final edited issue of KVK TIMES for the first fortnight of November 2022.

I profusely thank Scientists and staff of ICAR JSS KVK for the valuable suggestions to bring out the issue. Finally, I thank, Sri. N. Kumaraswamy, Computer Programmer for design and compilation of information to bring out this issue of KVK TIMES.

H.v. Divya

Smt. H.V. Divya
Senior Scientist & Head (I/c)
ICAR JSS KVK, Mysuru

Date : 15 November 2022

Place : Suttur



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Alleppy

Health Campaigns



As part of the NICRA project implemented in the Kuttanad region of Alappuzha district, animal health campaigns were conducted in Edathua village on 3rd and 10th November, 2022. Livestock and poultry rearing are one of the major activities of the village. To create awareness on these issues and prevent the incidents, a series of camps are organized. *I campaign* exclusively for goats, orientation on goat breeding, feeding, monsoon diseases and its control were dealt. *II campaign* for dairy, disease prevention measures in livestock, importance of fodder and Azolla cultivation were highlighted. Treatment for infertility and pregnancy diagnosis were also done. A total of 55 farmers with 75 goats and 53 dairy animals attended in the campaigns. Deworming medicines, mineral supplements, vitamin supplements, fodder seeds and disinfectant solutions were also distributed to the farmers.

Capacity building programme



A Capacity building programme on 'Value addition of banana and tubers' was organized for the share holder farmers of "Banana and Tapioca Farmer Producer Company" of Kunnathoor taluk Kollam district on 09.11.22. Twenty farmers and 3 officials of VFPCK, who coordinated the programme, participated in the training. Value added products from banana and tapioca flours like healthy mix, wafers, cookies, cakes etc and products from pseudo stem and banana peel were demonstrated to farmers. They were also given practical information about processing machineries, preparation of project reports, and the legal procedures for registration of processing units.

Bagalkot

Dignitaries Visit to KVK



Dr P L Patil, Hon'ble Vice Chancellor, UAS Dharwad visited KVK on 12.11.2022. He visited different demonstration units and expressed his happiness. He also emphasized on increasing the economically viable cropping systems for demonstrating farmers. Dr. A S Vastrad, who has recently assumed the charge of Director of Extension also accompanied Vice Chancellor, suggested KVK to adopt the strategies to enhance the farm income and develop scientific tempo to address the farmers' problems. Dr N K Biradar Patil, Dean PGS, Dr T A Malabasari Principal College of Diploma in agriculture, Jamakhandi were present on this occasion.

Bagalkot

Training – Vermicomposting



KVK Bagalkote in collaboration with Zilla Panchayat under NRLM is organized a series of six sponsored trainings on Animal husbandry and Vermicomposting. As a part of this a two days training on vermicomposting was organized on 14-15 November 2022. Shri C R Mundargi, project Director NRLM Zilaa Panchayat spoke in the inaugural function on the objective these trainings to obtain self sustainability. Dr Mouneshwari R Kammar Senior Scientist and Head presided over the function and spoke on the role of vermicomposting and other allied activities in empowering women. Thirty-five women members from different villages of Bagalkote attended the programme for two days. Apart from vermicomposting trainees were also appraised of floriculture mainly jasmine, rose and nursery raising. On second day trainees were taken to exposure visit to progressive farmers fields.

Vigilance Awareness week

Vigilance awareness week was organized at KVK Bagalkote from 31.10.2022 to 06.11.2022 by organizing various activities. On 31.10.2022 oath taking programme with 22 farmwomen & staff of KVK Bagalkote. A programme was also arranged at Sunag village of Bilagi taluk involving farmers & farmwomen. A lecture on importance of

observance of Vigilance Awareness and its impact on building of healthy society was delivered by Dr. Airadevi P. Angadi. A video show was organised on the anti corruption theme. A total of 229 participants took part in the programme.

21st SAC Meeting



ICAR-KVK Bagalkote organized 21st Scientific advisory committee meeting on 19-10-2022.

Dr. R. Basavarajappa, Hon'ble Vice Chancellor, UAS, Dharwad presided over the function and deliberations were held with various stake holders. Dr. Mouneshwari R. Kammar, SSH, KVK, Bagalkote, presented the action taken report for the suggestions made during previous scientific advisory committee meeting and progress report for the year 2022-23. Dr. P. S. Hugar, DoE, UAS, Dharwad convened the meeting and conducted session. Dr. Dnyaneshwar Kolekar, Principal Scientist (ATARI), Dr. R. B. Belli, Associate Director of Extension, RARS, Vijaypur, Dr. Shripad Kulkarni, Nodal Officer (KVKs), UAS, Dharwad, Dr. Ashok Sajjan, Associate Director of Research, Dr. S. I. Athani, Director of Extension, UHS, Bagalkote and district development department heads from Agriculture, Horticulture, Animal Husbandry, NABARD, BEC Dhvani, KSSCOA, ARS, Bagalkote, AEEC Mudhol, Agri prenuers Shri M. Y. Katti, Shrikant Kumbar actively participated in the programme. The meeting ended with vote of thanks followed by visits of Hon'ble Vice Chancellor to various demo units of KVK and instructional farm.

Bagalkot

Training – Krishi Sakhi

SANJEEVINI- Karnataka State Rural Livelihood Promotion Society, Department of Skill Development, Entrepreneurship and Livelihood, Government of Karnataka in Collaboration with UAS, Dharwad, ICAR-KVK, Bagalkote organizing six days training programme Krishi Sakhi from 30.10.2022 to 05.11.2022 at KVK, Bagalkote for selected persons from different talukas of Bagalkote. The inauguration began with progress by Sakhis and lighting of lamp by the dignitaries. Shri C. R. Mundaragi, District Project Director, Sanjeevini, KSRLPS in inaugurated the programme and spoke on uniting SHGS at gram panchayat in the form of federation and importing knowledge on agriculture ecology is the need of the hour amid the context of increasing threat from chemicals and pesticides. Krishi Sakhi is a link between departments and rural folk he added. He also urged Sakhis to make effective use of knowledge gained under this training. Shri M. R. Nagur, representing JD DoA, emphasised upon role of Krishi Sakhis in progress of agriculture. Dr. Mouneshwari R. Kammar, SSH, KVK Bagalkote and president of inaugural function appraised the group about Krishi Sakhis and progress of agriculture and also briefed about the various activities of Krishi Vigyan Kendra. This training is organised for 6 days which includes lectures, demos & exposure visits.



Ballari

MoS Interaction with farmers



Foundation stone for construction of Farmers Hostel at KVK, Ballari was laid down by Honourable MoS for Agriculture and Farmers Welfare Sushri Shobha Karandlaje on 14.11.2022. The hostel will be constructed with a total outlay of Rs. 105 lakhs. She also inaugurated Seminar on 'Importance of millets and ODOP scheme of GoI in ascertaining nutritional security'. During the programme Honourable District Minister and Minister for transport and ST welfare, Government of Karnataka, Sri B Sriramulu, MP, Ballari Lokasabha Sri Y Devendrappa, MP, Koppala Lokasabha Sri Karadi Sanganna, MLA Ballari (Urban) Sri. G. Somashekara Reddy took part as chief guests. Sri.B Nagendra, MLA, Ballari(Rural) presided over the function. Sushri. Shobha Karandlaje highlighted initiatives of Government of India in doubling farmer's income and in nurturing agri start-ups. She also mentioned about increase in the production of agriculture goods in the country in recent years. Even during COVID pandemic, the agriculture produce were exported, she said. She said 2023 has been declared as 'International Year of Millets' and honourable Prime minister of India is working hard to get global recognition for the millets. Discussions were already held in this regard with the leaders of many countries, she added.

Contd.,

Ballari



An exhibition on recent developments in agriculture was held during the programme and was inaugurated by Honourable District Minister and Minister for Transport and ST welfare, GoK, Sri B Sriramulu. Use of Drones in agriculture, value addition to fig, stages of milky mushroom cultivation were showcased. Branded fig value added products were released by Sushri. Shobha Karandlaje during her stall visits. Exhibition of Elite bulls of Gir and Murrah attracted the crowd in large numbers. Three lectures and interactive sessions were organised during the seminar programme. Resource person Mrs. Usha, CDPO (Rural) spoke about the 'millets and their importance in nutritional security of women and children'. Mr. Somashekharappa of Santekallur village, Maski taluk, Raichur shared his experiences in growing millets, their value addition and marketing. Shri. Yogeshwar H K., Senior Assistant Director of Horticulture, Ballari spoke about ODOP scheme and scopes therein for value addition of horticultural crops.



Dr.M. Hanumanthappa, Honourable Vice Chancellor of UAS, Raichur, Director of Extension Dr.M.K.Naik, Director of Education Dr. M. G Patil, other key officials, Board Members of University & Director, ATARI, Bengaluru Sri. V Venkata subramaniam also graced the occasion. A total of near to 1100 farmers took part in the well organised programme conducted by team of KVK Ballari scientists.



Belgaum - I

Awareness Programme



ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1, Tukkanatti in association with Karnataka State Department of Agriculture, Belagavi and ATMA, Belagavi has jointly organised one day program on "Farmer Scientist Interaction program" on 21-10-2022. Shri. R. M. Patil, Chairman, KVK Belagavi-1 inaugurated the program and suggested all participant farmers to adopt new technologies

Contd...

Belgaum - I

in routine farming practices with the support of KVK Scientist, and regularly participate in this kind of interaction to solve your day today farming problems with help of Scientists said during his inaugural speech. On the dais of the inaugural session Dr. Sanjay Patil, Head, Agriculture Research Station, Sankeshwar, Dr. L I Rudagi, Deputy Director Agriculture, Chikkodi, Shri. M.C Mattad, Deputy Project Director, ATMA Belagavi, Shri. M. M. Nadaf, ADA, Gokak, Shri. Mallikarjun Janamatti, Senior Assistant Director of Horticulture, Gokak, Dr. S. V. Hugar, Scientist (Plant Protection), Agriculture Research Station, Sankeshwar are the guests of the event. After the inaugural session Dr. Sanjay Patil, Head, ARS, Sankeshwar, Dr. M. N. Malawadi, Scientist (Agronomy) delivered lecture on production technologies on Sugarcane, Maize, Wheat and other millet crops. Interaction was made on above crop and answered queries raised during the interaction. Dr. S. V. Hugar, Scientist (Plant Protection), Discussed on Root grub, Mealy bug incidence in Sugar cane, head blight in wheat and so on. Dr. P M Patil, Scientist (Horticulture) discussing Tomato, Chilli, Turmeric, Banana, Marigold and recently developed technologies by IIHR, Bengaluru, IISR Calicut. 138 participants from ATMA officials, Stake holders and farmers of Belagavi district were participated.

Training - Maize



ICAR-BIRDS Krishi Vigyan Kendra, Tukkanatti, and Belagavi-1 organized off campus training programme on 26th October 2022 at Belavi village of Hukkeri Taluk. Trainig programme on popularization of HQPM5 Biofortified maize hybrid During this training KVK Scientist (Home science) explained that what is Biofortified maize, variety, yield, duration and its nutritional importance i.e., HQPM5 maize is rich in Pro-vitamin- A and Presence of high amount of lysine and tryptophan and low amount of leucine has given HQPM5 a special and distinctive status among cereals. HQPM5 can be utilized in diversified ways as infant food, health food, convenience food. It is also nutritious feed for poultry, livestock, fish etc and from this maize, can prepare different value added products like roti, upama, halwa, porridge, pakoda and bakery products, biscuits, cake etc. on this occasion distributed HQPM5 biofortified maize hybrid (1kg each) to 10 farmers. Total 25 farmers and farm women were participated in this training

Belgaum - II

ICM - Bengal gram



ICAR-KLEKVK, Mattikopp organized on campus training programme on 'ICM in Bengal gram'. During the training, G.B. Vishwanath, Sci(Ag) highlighted about the recently released varieties, seed rate, seed hardening, seed treatment, spacing and INWW management. Dr. S.S. Hiremath, Sci (PP) emphasized on eco-friendly mgmt. of pest and disease in chick pea.

Belgaum-II

PM Kissan Samman Sammelan



ICAR-KLE Krishi Vigyan Kendra, Belagavi-II organized the live telecast of PM Kisan Samman Sammelan on 17.10.2022. Shri Narendra Modi, Hon'ble Prime Minister of India, inaugurated the Agri Startup Conclave and exhibition. During the event Prime Minister of India released 12th installment of Rs.16,000 crores through Direct Benefit Transfer. During the same event Prime Minister also launched One Nation One Fertilizer. This programme was witnessed by 192 No. of farmers and farm women at the KVK campus. The programme at the KVK campus was inaugurated by Dr. V.I. Patil, President, CADA, Belagavi. Speaking on the occasion stressed to adopt new technologies developed by various institutes for doubling the farmers income. Shri. B.R. Patil, Chairman ICAR-KLE Krishi Vigyan Kendra, Mattikopp during his presidential remarks emphasized on the KVK innovative activities to reach the farmers of the district and also highlighted about the facilities available at the KVK. Mrs. Sridevi B. Angadi, Senior Scientist and Head, ICAR-KLE Krishi Vigyan Kendra, Mattikopp urged farmers to do soil test and apply fertilizers as per the recommendation made by the Scientists. Save soil for healthier future should be our goal.

Training - Problematic soils



A two days training programme on Agricultural Technologies to farmers of Command Area of Malaprabha Irrigation project was organized at ICAR-KLE KVK campus from 17-18 October, 2022. The programme was inaugurated by Dr. V.I. Patil, President, CADA (M & G), Belagavi highlighted problems of command area *viz.*, use of unscientific method of irrigation, diminishing soil fertility and increasing soil salinity leading to low productivity in the irrigation project. In this connection, the Command Area Development Authority striving hard to impart training on scientific irrigation methods, management of salt affected soil and enhance the productivity in command areas through KVKs. Shri. B.R. Patil, KVK Chairman, suggested farmers to learn recent and effective technologies during training and enhance production of crops in the command areas. Smt. Sridevi B. Angadi, SSH, briefed about soil fertility status of the command area and suggested the farmers to interact with the Scientist (Soil Science) for effective management techniques and cost reduction on fertilizer application. During the technical session, KVK Scientists from disciplines of Soil Science, Agronomy, Plant Pathology, Horticulture and Home Science delivered lectures. Fifty farmers belonging to Malaprabha project command area participated in the training.

Belgaum-II

Foundation Day Celebration



KLE KVK, Mattikopp celebrated 107th Foundation Day of KLE Society on 13th November 2022. SSH and staff of the KVK paid a tribute to the founding fathers of the KLE Society popularly known as Saptarishis. Due to the dedicated efforts of Saptarishis the first Anglo Vernacular School was established at Belagavi during 1916. Addressing the gathering Senior Scientist and Head expressed that establishing KLE Society during 1916 was a challenge, the Saptarishis have overcome all the social and economic odds. She also emphasized that KLE Society have 293 institutes in Education, Health care, Agriculture and Research. The success of taking KLE Society to higher heights is also tributed to our beloved Chairman Dr. Prabhakar B. Koreji who have brought the society in forefront by bringing the rural transformation through establishment of schools, colleges and professional education in the rural sector. Similar to help the farming community of the region School of Agricultural Training and Research was established in the year 1999 and was pioneer in establishing the Diploma in Agriculture in entire Karnataka state which was the model to start Diploma in Agriculture SAUs with a vision that these

farmers sons needs to go back to their field to do farming on scientific mode to get better returns as compared to the traditional practices. KLE Krishi Vigyan Kendra was established with constant persuasion during the year 30 September, 2011 to serve the farmers of the district. Kisan Bazar is also established at the KVK with aim to provide all needy inputs to the farmers on time during the season.

ATARI Officials visit



Poultry farming is playing a pivotal role in upliftment of rural economy by providing nutritious food in the form of chicken and eggs as it is a rich source of protein, vitamins and minerals. In view of this, entrepreneurship development programme for poultry farmers of Deshnur, Mattikopp and Mohare was formulated and implemented under DAPSC project funded by ICAR-NIVEDI, Bengaluru. Each farmer was provided with 32 chicks of Sahyadri cross for backyard poultry farming and one hatchery unit to establish themselves as an entrepreneur. The poultry units were visited by Dr. B. T. Rayudu, Principal Scientist, ICAR-ATARI, Bengaluru, Dr. Mallikarjun B. Hanji, Chief Technical Officer, ICAR-ATARI, Bengaluru and Nodal Officer for KVK Belagavi-II and Shri Shaik Rukman, Assistant Finance and Accounts Officer, ICAR-ATARI, Bengaluru and suggested to raise the birds in scientific manner as guided by the scientist of the KVK to make it as profitable entrepreneur

Bengaluru Rural

Krishi Mela – Farmer award



The University of Agricultural Sciences, Bangalore organized Krishi Mela 2022 from 3rd to 6th November, 2022 at GKVK Campus, Bengaluru. On this occasion Sri Navikram, C. from Lakshmidivipura, Bengaluru Rural district was awarded as State level Dr. M.H. Marigowda best horticulture farmer award, One district level best farmer and farm women, 4 farmers were selected for Taluk level best youth farmer awards and 4 farm women were selected for Taluk level best youth farm women award from Bengaluru Rural District and awarded as Best Farmer / Farmwomen

Training – YMV in pole bean

Scientists of ICAR-Krishi Vigyan Kendra, Hadonahalli organized off campus training programme on management of yellow mosaic virus in polebean through Integrated Approach on 09.11.2022 at Isuvanahalli. Dr. Dharshini, G.M., Scientist (Plant Protection) explained about different practices to manage yellow mosaic disease in polebean. There were 34 farmers participated in the training programme. Also organized method demonstration on application of *Pseudomonas fluorescens* along with neem cake. Dr. Dharshini, G.M., Scientist (Plant Protection), Dr. Rame Gowda, H.V., Scientist (Crop Physiology), Ms. Meghana, S.V., Scientist (Home Science), Ms. Krupashree, R., SRF, ARYA project visited pole bean fields at Isuvanahalli village of Nelamangala taluk.

Bidar

Health Management - Goats



KVK Bidar organised capacity building programme on Integrated Health Management in Goats on 5th November 2022 at Dhannura (R) village of Basavkalyan Taluka known for major goat and sheep rearing activities majority of them do it with open grazing system. The SSH of KVK Bidar Dr Sunil kumar N.M briefed about the animal component in doubling the farmers income, health management in farm level includes proper care taking of health of pregnant doe, newborn kids, youth and adults. Similarly, health management help to reduce the mortality rate of newborn kids, and it provides knowledge, skill and practice of control of infectious diseases. 'Prevention is better than cure', the statement best fits for livestock too and appealed farmers to adopt new technologies and IFS module in their field for sustainable income. To address the above problems ICAR-KVK Animal Scientist, Dr Akshay kumar briefed about the general health management of sheep and goats and stressed upon giving the nutritious feed. Further method demonstration on deworming and Vitamin and mineral supplementation through syrup feeding for more than 80 goats and 70 sheep of 10 herds, around 58 farmers were participated and got benefited in this event.

Chamarajanagara

Training - Organic Farming



A Six days capacity building programme on “Organic Farming” under Skill Training for Rural Youth (STRY) (15 members) was initiated on **14.11.2022** at ICAR KVK Chamarajanagara. The Training Module was planned for 6 days from 14.11.2022 to 19.11.2022 on various aspects of Organic farming. The programme was inaugurated by Dr. Doreswamy C., Special Officer, College of Agriculture, Chamarajanagara and Dr. Yogesh G. S., Senior Scientist and Head, ICAR KVK Chamarajanagara. The programme was coordinated by Dr. Shruthi M. K., Scientist (Agronomy). Further, she highlighted the importance of Organic Farming in present scenario and principles and practices of Organic Farming. Dr. Yogesh G. S., Scientist (Soil Science and Agril. Chemistry) trained the farmers about eco friendly management practices and production technologies of different Organic Manures. Dr. C. S. Kallimani, Scientist (Sericulture) enlightened the trainees on role of IFS in Organic Farming and Dr. Pompana Gouda B., (Plant Pathologist) educated the trainees on Organic Pest and Disease Management Practices in various crops.

Chikkaballapura

Training - Pulse Magic



ICAR-KVK, Chikkaballapura organized off campus training programme importance of Pulse magic (micro nutrient mixture) in redgram on 08.11.2022 at Hanumaigarahalli village of Chintamani taluk. Dr. Papireddy, Senior Scientist and Head highlighted about the role of micro nutrients in enhancing the yield in redgram. Mr. Vishwanath, Scientist (Agronomy) explained and demonstrated the use of pulse magic in redgram. 22 farmers participated in the programme.

Chikkamagaluru

FLD - Nutri-gardens

ICAR-Krishi Vigyan Kendra has organized Front line demonstration on Nutri-garden for nutritional security at G. Hosahalli village of Mudigere taluk. Dr. Krishnamurthy, A.T., SSH, explained about the importance of Nutri-garden in school. To overcome malnutrition among children and consumption of area specific vegetables, fruits and tubers as well as citrus fruits encourages the nutritive value in life. Nutri-garden also helps to get chemical free vegetables and help us to save money by avoiding the purchase of vegetables from the market and daily consumption of **Contd..**

Chikkamagaluru



vegetables helps us to improve the immunity level of the family members. On this occasion, Dr. Satheesh, N, Scientist (Home Science), KVK, Chikkamagaluru briefed about the importance of Nutri-garden in daily life.

Field day on ginger

Field day on demonstration of foliar application of ginger special for higher yield and quality organized at G. Hosahalli village of Mudigere taluk. Dr. Krishnamurthy, A.T. SSH, in his introductory speech briefed about ginger special, which plays important role in enhancing the quality and quantity of ginger. Further he explained about the demonstration and extension activities are carrying out by the KVK for the benefit of farming communities and also advised them adopt this technology and disseminate it to other farmers. Dr. Keerthi Shankar, K Scientist (Hort), mentioned farmers are applying only major nutrients to the crops but not applying micronutrients, but these micronutrients are playing important role in growth and development of the crop. Keeping in this view ginger special micronutrient developed and released by the Indian Institute of Spice Research, Calicut. This has to be mixed and sprayed at the rate of 5 gram per liter of water for six months as four sprays at interval of 45 days after planting and using of ginger special in ginger crop,



increases the number of tillers, tuber weight, quality and the yield by 10-15 percent. On this occasion Dr. Dhanalakshmi, D Sci. (Soil Science), Shri. Poornesh, President Shri H.P. Shankar, Vice President, FPO, Mudigere and more than 45 farmers were participated.

Chitradurga

Field Day - Sunflower



A Sunflower field day was organized at Hariyabbe playa, Hiriyur taluk by KVK Chitradurga in collaboration with AICRP, Sunflower unit, GKVK, Bangalore and DoA, Chitradurga on 02-11-2022. Dr.O.Kumar, SSH, inaugurated the programme, opined that the KBSH-78 hybrid of Sunflower is the best suitable variety for Chitradurga dist. He told India is facing the scarcity in production of oilseeds, farmers need to expand the area under oilseed crops like sunflower, Groundnut and other oilseed crops.

Chitradurga

Field Day - Maize



A field day on application of effect of application of Nano urea and Nano zinc on Maize crop was organized by KVK, Chitradurga at Halavudara village of Chitradurgatq on 04-11-2022 in collaboration with DoA, Chitradurga. Dr.O.Kumar, SSH inaugurated the programme and during his inaugural speech he discussed that maize is one of the major crop in Chitradurga dist. This crop requires exhaustive amounts of nutrients, because of this reason farmers go for application of excessive quantities of Urea and other chemical fertilizers, which in turn resulting in deterioration of Soil health as well as excess cost of cultivation. In order to overcome this problem Nano urea can be used as an alternative, which includes foliar application of the nutrient there by causing no damage to the soil health.

Workshop-Sustainable Agriculture

A workshop on Sustainable Agriculture was organized by KVK, Chitradurga on 4-11-2022 in collaboration with East West seeds India Pvt. Ltd, Aurangabad. Dr. Sharanappa Jangandi, ADR, ZAHRS, Babbur farm, Hiriyur has inaugurated the programme and Dr.O.Kumar, SSH presided over the programme. During the workshop discussion about sustainable agriculture and its intentions. Farmers should adopt natural and

organic farming systems to maintain the soil health with adoption. farmers can grow the crops continuously with regular income. Dr. Prakash kerure, Scientist (Horticulture), Dr. S. Onkarappa, Scientist (Plant protection) and Mrs. GeethaKumari B N, Programme Assistant were participated in the programme.



FPO - Educational tour



An interstate educational tour for the FPO farmers of Hiriyur taluk was organized from 3-7 November 22 by KVK, Chitradurga. Dr. S. Onkarappa, Sci(plant protection) and Mr. Gurumurthy, Sr. Assistant (Accounts) took the lead of the exposure visit. They were exposed to Krishi Mela at GKVK, Bengaluru, Agriculture Research Station and CoA, VC Farm, Mandya, Puttari FPO at KVK, Kodagu, CPCRI, Kasaragod, Kerala and KVK, Hassan.

Dakshina Kannada

Live telecast on PM Kisan Samman



ICAR- KVK, Dakshina Kannada (DK) organised Live Telecast Programme on PM Kisan Samman Sammelen 2022 convened at ICAR - Indian Agricultural Research Institute, New Delhi. Prime objective of the programme was to bring together farmers across the country under the Agri Startup Conclave and Exhibition programme inaugurated by Prime Minister, Shri Narendra Modi. Member of Parliament Shri. Nalin Kumar Katil graced the occasion and expressed that over Rs. 400 crores have been paid to the accounts of farmers in DK under the PM Kisan Yojana. The scheme is a model on how a project can be implemented without giving an opportunity for corruption. Totally 134 participants participated in the programme.

Training for agri dealers/farmers

ICAR- KVK DK, organised Directorate of Plant Protection Quarantine and Storage, Faridabad, Regional Centre for Integrated Pest Management, Bengaluru, Ministry of Agriculture and Farmers Welfare, Government of India sponsored **Two days IPM Orientation training programme to pesticide dealers/farmers** from 01.11.2022 to 02.11.2022 at ICAR-KVK (Dakshina Kannada) Mangaluru.

The training programme was inaugurated by Mr. Shahir Karthik, Plant Protection Officer, RCIPM, Bengaluru and briefed about the importance of RCIPM. Dr. Vivek Uppar, PPO, RCIPM, Bengaluru participated as chief guest and briefed about the Integrated Pest Management (IPM).

Exposure visit- Agri. Engg. students



ICAR-KVK, Mangaluru organized an exposure visit to progressive farmer field, Sajipamudu, Bantwala and Horticulture Farm Thumbe, DoH, DK for Agri engineering internship students at Alva's college on 19-10-2022. Mr. Ganapathi Bhat, inventor of areca tree bike, explained with the live demonstration. This scooter can climb 90 areca trees with one liter petrol.

Mr. Harish Kulal, AHO (in charge) Horticulture Farm Thumbe delivered lecture on activities undertaken in the Horticulture farm and method demo on different plant propagation methods practiced in Horticultural crops like cuttings, grafting, Patch budding, air layering & preparation of potting mixture for seedling production. During the visit students also visited bio control lab got information about the rearing and life cycle of biocontrol agent *i.e.* *Goniozus nephantidis* and their role in management of black headed caterpillar (*Opisina arenosella*) in coconut. Dr. Rashmi R., Scientist (Hort) coordinated the visit Asst. prof. Mr. Deepak Kolke, Mrs. Kavya Saliyan, 36 Agri engineering students of Alvas college, Moodibidre participated in the exposure visit.

Davanagere

MoS Interaction with farmers



An interactive program with Union Minister of State for Agriculture and Farmers Welfare, Madam Shobha Karandlaje was organized by ICAR-Taralabalu KVK, Davanagere at Sirigere, Chitradurga district of Karnataka. The program was held in divine presence of His Holiness Shri Taralabalu Jagadguru Dr. Shivamurthy Shivacharya Mahaswamiji, Sri Taralabalu Jagadguru Brihanmath, Sirigere and in presence of Sri G.M. Siddeshwara, Member of parliament and Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru, Sri H.R. Basavarajappa, President of Farmers Organisation, Dr. Devaraja T.N., SSH, ICAR-TKVK. The program was specifically organized for the interaction between shareholders of farmers producer companies established by ICAR-KVK, Davanagere with Hon'ble Minister. The shareholders discussed the problems faced by the farmers producer companies especially with the initial stages and the progress to be made in the coming years. Hon'ble Minister received all the grievances of the companies and assured them the all possible help from the Govt. Honourable MoS also visited the exhibition where processed and packaged products from the farmers producer companies were displayed.

Seminar on Coconut



ICAR TKVK, Davanagere in collaboration with Coconut Development Board, Regional Office, Bengaluru with the support of Department of Horticulture organized one day Block level Seminar on Scientific production technologies in coconut at Hole Sirigere Village of Harihara Taluk. Mr. Ravikiran A S, Technical Officer from CDB inaugurated the programme and addressed the gathering about use of coconut bi products. Apart from coconut seed nuts and tender nut market there is a lot of scope for value addition and processing in coconut he said. Coconut vinegar, Snow Ball Tender Coconut, Coconut Chips, Virgin Coconut oil, Coconut shell having lot of scope in market now. Farmers and Farmer Producer Organizations can take up these entrepreneurship with the financial assistance of CDB.

Dr. Devaraja T N, SSH of ICAR- TKVK presided over the programme and informed the farmers to take up small scale industry in coconut will help in obtaining the financial sustainability. He also stressed upon the importance of tree based farming system and natural farming. Mr. Basavanagowda M G, Scientist(Hort) from KVK gave details regarding Nutrition and Cultural practices to be followed in Coconut production. Dr. Avinash T G, SMS (Plant Protection) gave detailed information on IPDM. Smt. Rekha GP, Senior ADOH, from Department of Horticulture explained the schemes available to rejuvenate the old and unproductive coconut palms from the department.

Dharwad

FLD - Marigold



FLD on Introduction of new Marigold Hy. Arka Abhi was implemented by ICAR-KVK, Dharwad at Honnapur village of Dharwad taluka. Dr. Akkamahadevi D. Agasimani, Scientist (Horticulture) visited the Marigold plots of Shri Ramappa Nandanawadi and Smt. Nagamma Marihal on 05.11.2022. Arka Abhi is having attractive yellow colour with an average of 60 flowers on each plant weighting around 120 flowers/kg. In the local varieties comparatively the yield was low with orange colour and size of the flowers are also small. In the market, Arka Abhi is having more consumer preference than local. Presently crop is under flowering stage. Suggestions were given on nutritional and water management aspects to reap higher yields. A group discussion was held with farmers of Honnapur village and discussed about the performance of Marigold Hy. Arka Abhi.

Training - Terrace garden



Training on Terrace Gardening was organized by Zilla Panchayat, Dharwad for High Court Judges and officials on 09.11.2022. Dr. Akkamahadevi D. Agasimani, Scientist (Horticulture), ICAR-KVK, Dharwad delivered a lecture on Terrace Gardening as resource person and briefed about importance, containers used, maintenance (watering, staking, pruning, training, proper placement of plants in the terrace) and local seeds used for terrace gardening, compost preparation at home and management of pests and diseases. About 58 officials including 6 high court judges and 2 district court judges, CEO, Dharwad and Project Director, ZP, Dharwad, Scientists from UAS, Dharwad and other officials of High Court were present.

Vigilance Awareness Week



ICAR-Krishi Vigyan Kendra, Dharwad celebrated Vigilance Awareness Week from 31st October to 6th November, 2022 at KVK premises. Vigilance pledge was taken during the programme by the staff of ICAR-KVK, Dharwad. Students from Diploma(Agri) and B.Sc.(Agri) were administered pledge to fight against corruption and support anti-corruption activities. Debate competition on "Impact of Corruption on National Economy" was conducted for the students and winners were felicitated. e-pledge was taken by the students and staff. During the awareness week around 14 staff, 8 labors, 15 farmers and 35 students were created awareness, given pledge and advised not to promote corruption.

Ernakulam

Programme - EDP



Participants of the Aquaculture and Fisheries EDP organized by Kerala Institute for Entrepreneurship Development (KIED), Kalamassery, visited KVKs satellite demonstration farms maintained at Manjaali and Puthukkad, Ernakulam, on 2nd November 2022 and interacted with farmers. The trainees got a practical insight into the techno-commercial aspects of two income-generating enterprises demonstrated by KVK viz., Cage fish culture and Pearlsport seed production. The EDP program was organized by KIED jointly with National Institute for Micro, Small, and Medium Enterprises and the National Fisheries Development Board, Hyderabad. Dr. P.A Vikas, Subject Matter Specialist (Fisheries) of the KVK, interacted with trainees.

Vigilance Awareness week

Vigilance awareness week was celebrated at KVK from October 31st to November 6, 2022. As part of the programme, an essay writing competition on the topic "Corruption free India for a developed nation" was organized on 1st November 2022 at Sree Narayana Vilasam Sanskrit Higher Secondary school, North Paravur. Also a sensitization programme was organized and a brief talk on "Corruption - how it affects the citizens" was delivered by Sri. F.Pushparaj Anjelo, SMS (Agril.Extn) of this



KVK. The children were made aware how corruption affects the life of the common man and how it prevents the growth of the nation .

Gadag

Exposure Visit



Dr.D.V.Kolekar, Scientist (Agriculture Extension), ICAR-ATARI, Bengaluru visited ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti to observe the progress of Nutri-Garden and to interact with farm women under Gender and Nutrition Project. The visit was organised to the nutri-smart village namely Singatarayanakeri in Mundaragi taluk and the adopted village viz., Asundi in Gadag taluk. The interaction with farmers and farm women was organised. Later Dr.D.V.Kolekar visited the demonstration plots of Nutri-Garden, onion fields and vegetable cafeteria. He interacted with farmers and gave valuable suggestions

Haveri

Inspection - NICRA

In order to conserve soil and rainwater due to heavy rains and to protect crops from dry spells, CRIDA Hyderabad is taking up studies and implementing different activities through NICRA project. The ICAR-KVK, Haveri has been allotted NICRA project during 2021-22. The village Rahutanakatti of Ranebennur taluk has been selected for implementation of the works. During *Kharif* 2022 many activities such as providing improved seeds of field crops and seedlings of horticulture crops have been done in the village. Animal and soil health campaign have also been conducted by KVK for the benefit of farmers of the village. The Principal Scientist (Agronomy), Nodal Officer, ICAR-ATARI, Zone-11, Bengaluru Dr. D.V.S Reddy visited this NICRA village during *rabi* season of 2022 and interacted with the farmers. The scientists of the KVK discussed about the new technologies and encouraged the farmers to take proactive measures regarding nutrient management, plant protection and suitable crops under climate change. Later Senior Scientist and Head of the KVK Dr. Ashoka P explained about the demonstration of Red gram variety GRG-152 under the NICRA project by the KVK, in farmers field Mr. Mariyappa Kariappa Kambali, a progressive farmer of Rahutanakatti village.



Technical information was given to grow Red gram crop. Now the farmers have been demonstrated about the nipping top 5-6 cm in Red gram in the field when crop was 45-50 days after sowing. It was demonstrated about pinching would prevent it from growing too tall and would result in a higher number of branches and increased yield. Later pulse magic powder was provided for the crop through spraying (10gm per litter) at the flowering stage to enhance the yield. This "pulse magic" is a combination of nutrients and plant stimulants, a product of UAS, Raichur. The Pulse Magic not only prevents flower drop but also increases the size and quality of the pods, increases the number of pods and ultimately sets the pods. Spraying should be done in cool hours. The first spray of Pulse Magic should be done at 50 percent flowering stage of the crop and the second spray after 15 days. Pulse Magic can be mixed with any insecticide or fungicide (except copper). It was explained to the farmers in the presence of the nodal officers that by using 4 kg pulse magic (2 times) per acre they can get 20% higher yield. Dr. D. V. S. Reddy also visited coconut seedlings planted fields, horticulture seedlings planted fields and rain affected areas in farming fields of the village. He noticed that red gram and horticulture plants have been grown under extreme condition and better start of NICRA activities in the village during first year of the project and appreciated the team work of KVK. The scientists', progressive farmers of Rahutanakatte village were present during the visit of Nodal officer.

Idukki

Inauguration - FPO



ICAR -KVK, BSS, Idukki as Cluster Based Business Organization (CBBO), has successfully registered our first FPO entitled **Adimaly Block farmers producing and marketing cooperative society Limited 784** for the benefit of farming communities under Adimaly Block. KVK Works for adding up Farmer members with an above 300 for the equity benefits of farmers. This FPO scheme is funded by National Cooperative Development Corporation (NCDC) which is the empanelling organization for our CBBO. This FPO will work as per the rules and regulations of cooperative society under Registrar of Cooperatives societies. The FPO was inaugurated by Dr. R Marimuthu, Senior Scientist and Head, ICAR-KVK Idukki by lightening lamp on 03.11.2022. Special address was delivered by Ms. Preethu K Paul, SMS Agricultural Extension and FPO In-charge, KVK Idukki. The FPO President, Sri Krishnakumar felicitated the programme.

Awareness-Natural Farming

ICAR-KVK, Idukki conducted an demo on Natural Farming. Dr. R Marimuthu, SSH, along with his team organized a field visit to Natural Farming on 09th November 2022 at Kiliyarkandam village. The Farmers were made aware on Natural farming and its importance.



The farmers were made aware on the importance of natural farming for improving the soil health. Small cardamom cultivation in Idukki district resulted in heavy usage of chemical fertilizers and insecticides which in turn damage the soil health. The Natural farming concept was made aware to the farmers by demonstration and visit to a Natural Farming Plot in Kiliyakandam village. The farmer shared his experience in Natural farming by showing his natural farming field.

Vigilance Awareness Week



ICAR KVK, Idukki, in association with Santhanpara, Rajakumary, Rajakad and Senapathy Gramapanchayat celebrated Vigilance awareness week from the period of 31-10-2022 to 06-11-2022 and conducted various programmes like Rally, Awareness training programme, Quiz competition & Essay writing competition for school and College students. In this connection ICAR-KVK conducted a Vigilance Awareness Week off Campus awareness training programme at Rajakumary NSS College students. Mr. Siddique, SI of Police, Police Station, Santhanpara handled the anti-corruption & Vigilance awareness training.

Kalaburagi - I

Training - Krishi Saki



ICAR-KVK, Kalaburagi-I has organized six days Agricultural livelihood community resource persons (KRISHI-SAKHI) II batch training programme in collaboration with Mission Director, Sanjeevini-KSRLPS and Zilla Panchayat, Kalaburagi. SSH Dr. Raju G. Teggelli welcomed the gathering and briefed about the KVK, importance of 'Krishi Sakhi' and the role of trained Sakhi in strengthening the agriculture sector as well as create awareness and capacity building among community on agricultural activities. Sri Jagadev Project Director, DRDA, Zilla Panchayat, Kalaburagi inaugurated the event and he explained about role, mandates, purpose and also explained criteria, process, roles and responsibility of Krishi Sakhi and procedure for selecting candidates for the Krishi Sakhi training programme and briefed about the training programmes conducting under the Panchayat level. Dr. B. M. Dodamani, Assistant DoR, ZARS, Kalaburagi participated as Chief guest and in his speech advised the participants to make utilization of this training programme for sustainable development of agriculture-based livelihoods at self-help group and household level. Dr. Samad Patel, Joint Director of Agriculture, KSDA, Kalaburagi explained Agro ecological practices under Farm based agriculture, pest and disease management of farm produced along with identifying the marketing linkages to sale

the agriculture produces and this training is also to bridge the gap between rural farmers and agriculture scientists. During this programme Dr. M. M. Dhanoji, Dean, College of Agriculture, Kalaburagi in his presidential remarks briefed about Krishi Sakhi training programme aim that Krishi Sakhis will make available the latest technologies at the door steps of farmers. In these training programme gave 24 different classes from various scientists of the university and exposure visited to Progressive organic and Krishi Pandit awardee farmer Sri. Hanamanthappa Belagumpi field at Hasargundagi Tq. Afzalpur also observed different demo units of organic farming. Total 30 participants were received the certificates and got benefit from the training programme.

E-Pest Surveillance



A rapid roving field survey and e-pest surveillance programme conducting in the months of November and December of every year for pests and diseases on major crops of Kalaburagi district during 2022-23 in collaboration with Karnataka State Department of Agriculture, Kalaburagi, ICAR-Krishi Vigyan Kendra, Kalaburagi and Zonal Agriculture Research Station, Kalaburagi each team consists of one technical person *i.e.* Agriculture Scientist from ICAR-Krishi Vigyan Kendra, College of Agriculture and Zonal Agricultural Research Station, Kalaburagi and KSDA officials for control measures and publicity of pest and disease surveillance at field level to the farmers of different talukas of Kalaburagi district at 90% flowering stage of the redgram crop.

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Kalaburagi - I

E-Pest Surveillance

In this programme Pathology Scientist Dr. Zaheer Ahmed and Soil Scientist Dr. Shreenivas B.V visited different villages of Afzalpur taluka for survey of pest, disease and nutrient management in various crops and explain their control measures along with KSDA officials and staffs. More than 50 farmers were benefitted from these visits.

Training - Dairy Farming



ICAR-KVK, Kalaburagi-I organized a capacity development programme & exposure visit on “Scientific Dairy farming and Entrepreneurship Development” and Animal Health camp in collaboration with Myrada, Sedam and Kalaburagi on 08th and 09th, November, 2022 at Pattan, Aland taluka and KVK, Kalaburagi respectively. In this programme, Dr. Manjunath Patil, Scientist (ASc) explained t on scientific dairy farming as well as growing of fodder crops for fodder seed production, azolla as a supplementary feed for livestock, ensilage in poly ethylene bags, hydroponics etc. Later conducted exposure visit were arranged to demo units. Dept of AHVS, Kalaburagi were arranged animal health camp at Pattan village during the programme 350 cattles, 150 buffaloes were vaccinated against Foot and Mouth disease also deworming was done.

Kalaburgi-II

Training - Capacity Building



ICAR- KVK, Kalaburgi-II (Raddewadgi) conducted PCRA sponsored off campus capacity building program on fuel saving techniques in Agriculture at Mandewal village Tq. Jewargi on 09.11.2022. During the event Dr. Mallikarjun Reddy, Scientist (Farm Machinery) College of Agriculture Kalaburgi had explained in detail about fuel saving techniques in tractor viz., cleaning of air and oil filters, cooling techniques of engine, knowledge about load bearing capacity according to the tractor power (HP) and speed limit to be maintained for higher millage of the tractors. And also demonstrated practically about cleaning of filters and identification method for replacing of engine oil After that, Mr. Chethan T., Scientist (Horticulture) briefed about effective utilization of tractor in horticulture crops and it's needful in day to day's farm activities. Then, Mr. Bheemashankar, AAO, KSDA, Jewargi explained about Departmental subsidies on farm equipment and its requirement to be submitted for the benefit of farmers. At the end Dr. Manjunatha N., Sr. Scientist & Head, ICAR-KVK, Kalaburgi-II in his presidential remarks suggested the fuel saving techniques should be followed to increase the life of engines & also explained the KVK activities to the gathered tractor driver and farmers. About 80 tractor drivers & farmers (Tractor owners) benefited from said training program.

Kannur

Cluster FLD – Oilseeds

Large scale demonstration of sesame was initiated in tribal areas of Kannur district in convergence with Kudumbasree, the Self Help Group of women in Kerala. As part of utilising barren lands in high hills of Kannur district and to ensure income to tribal community, the venture was taken up by Kudumbasree with technological guidance and inputs from KVK Kannur. To overcome low productivity of local varieties, HYV seeds were supplied along with adoption of proper seed rate, sowing practice suited to the area and thinning, along with IPM techniques. The better performance of varieties is expected to popularise the cultivation of sesame in unutilised area of Kannur in the coming years which will contribute to additional income for marginal and rural farmers. High yielding and popular variety of Sesame, Tilak and TMV-7 was taken up for the demonstrations. In the midst of Covid, technical guidance was provided to field staff of Kudumbasree and HYV seeds supplied to the different groups. Monitoring and field visit was conducted to Anayadi area of Payyavoor panchayat by KVK scientists.

Training-Capacity building



KVK Kannur has organized a capacity building programme for field level extension functionaries of Department of Agriculture Development and Farmer's Welfare on 12th November 2021. District Technology Manager, Area Technology Managers and Block Technology Managers of Agricultural Technology Management Agency (ATMA) participated in the programme. Trainees were oriented to new technologies in agriculture and allied sectors, possibilities of convergence of department and university and new projects/programmes of KVK. Field level problems faced by farmers were discussed in the programme.

Interaction – Farmer/Scientist



A farmer-scientist interface was conducted on 11th November 2021 at KVK Kannur for discussing sustainable wetland ecosystem management through comprehensive development of paddy cultivation. Rice farmers from different parts of Kannur district has participated in the programme. Integrated Nutrient Management, Integrated Pest and Disease Management, crop rotation, processing, value addition and marketing of rice were discussed in different sessions handled by subject matter specialists of KVK.

Kodagu

Training – Natural Farming



A two days training programme on Natural farming was organized at ICAR- Krishi Vigyan Kendra, Kodagu on 14 -15th November, 2022. The programme was inaugurated by Dr. Vijay Angadi, Programme officer, Kisanvani, AIR, Madikeri. In his inaugural address highlighted on the importance of natural resources (sun light, air, water), crop planning, planting of local fruits & vegetables in human diet, preservation of local seeds, native trees and soil and water conservation techniques in agriculture. Mr. K.A. Devaiah, SMS (Hort) spoke on the different avenues to be strengthened in the practicing coffee based mixed farming system for increasing the crop diversity and enhancement of farm income.

Later, Mr. Prabhakar, B. SMS (Hort) presented the principals and practices of natural farming practices. Integration of crop and livestock components for main income, mulching techniques for improvement of soil health and reduce competition from weeds to the main crops. The onsite preparation of Beejamrutha, Jeevamrutha and Ghana jeevamrutha and its applications methods as nutrient supplements in natural farming. Importance and skills of preparation and application methods of Brahmastra, Neemastra for management of pest and diseases.

Shri. Sathish, C.P. natural farming practitioner, Chowdlu village, Somwarpet shared his experience of natural farming in coffee cultivation. Also, arranged a field visit to Shri. Boppanda Ravi natural farming plot of coffee, paddy, arecanut at Nangala village of Virajpet taluk to the participants as part of the exposure visit. A total of 40 farmers and farm women participated and got benefited the programme. The programme was coordinated by Mr. Prabhakar, B. Subject Matter specialist (Horticulture).

Kolar

FLD - ICM in Mango



Kolar is known for mango production, Srinivaspur taluk has maximum area under rainfed mango cultivation. To encourage farmers to take up integrated management to enhance the productivity KVK, Kolar is demonstrating various practices like soil fertility enrichment, application of micronutrients, canopy management, Integrated pest management and safe harvesting practices. As a part of FLD on Integrated crop management in mango, KVK Kolar scientists demonstrated foliar application of mango special and its importance at Ternahalli village Srinivaspura Taluk on 08.11.2022.

Kolar

Field Day – Finger Millet



ICAR-KVK, Kolar organized field day on improved cultivation practices in finger millet at in collaboration of DoA & ATMA Bangarpet at Gullahalli village, Budhikote Hobli, Bangarpet taluk on 2.11.2022. Dr. Anil kumar S., Scientist (SS & AC) delivered lecture on GAP of finger millet. Around 75 farmers have participated in the programme.

FFS - Mulberry



KVK Kolar organized FFS on Management of mulberry and silkworm during winter season at Gaddekannuru village, Kolar tq on 9.11.2022. During FFS II Session Dr. Sadanandha K Mushrif, Sci(PP) explained about Management of fungal diseases of mulberry during winter season and also conducted method demo on foliar spay of wetttable sulphur for management of powdery mildew disease & mites in mulberry. Dr. Shashidhar K R Sci (Seri) briefed on IPM practice for leaf roller & Bihar hairy caterpillar in mulberry and demonstrated installation of Solar insect light traps in mulberry plot. Dr. Shri. M. Manjunath, Asst Director of sericulture, Kolar division was the chief guest.

Kollam

Training–Capacity building



In light of this ICAR- Krishi Vigyan Kendra, Kollam organised capacity building programme on “Post-Harvest Fisheries under SCSP Programme on Collaboration with ICAR CIFT for the Vulnerable Groups in the district. Dr. Jacob John, DE, Kerala Agricultural University inaugurated the programme. During the inaugural address he stressed on the role of KVK in the upliftment of marginalised sectors of the society. Introductory remarks was given by Dr, Bini sam, Prof. & Head KVK-Kollam & Smt. Shamsiya AH Asst. Prof. (Community Science-CS) explained the overview of the project. Sessions on Improved brining and drying technologies, safety measures in prevention of microbial spoilage in post-harvest stages of fish processing, Importance of packaging and labelling, Food safety and standards, Value added snacks products from fish were handled by Smt. Shamsiya Asst. Prof. (CS). sessions on Entrepreneur’s qualities and Group dynamics was taken by Dr. Bindu Podikunju, Associate Professor (Extn. Edn.). Sessions on Importance of post-harvest machineries in fish processing was delt by Dr, BiniSam, Professor (Agril Engg). Hands on experience imparted on the dimensions of improved small fish brining techniques. Improved drying methods in prawns, Fish based snacks, pappad making, fish balls, fish cutlets, Prawns chutney powder, fish pickling, Fish biriyani etc.

Kottayam

Vigilance Awareness Week



Vigilance Awareness Week was celebrated at KVK, Kottayam during the first week of November. Integrity pledge for organization was taken by the employees of KVK Kottayam, lead by Dr. Jayalekshmi G, Programme Co-ordinator, KVK Kottayam and that for the citizens was taken by the staff of KVK together with students from nearby colleges and the farmers. As part of the Vigilance Awareness Week, awareness cum orientation session on “Anti-corruption and National integrity” was arranged for the final year students of College of Agriculture, Padanakkad by the Honorable District Collector and District Magistrate of Kottayam, Dr.P.K.Jayasree. Around 50 students attended

Workshop- Fuel consumption



An Awareness Workshop on “Fuel conservation” was organized at KVK Kottayam together with Petroleum Conservation Research Association (PCRA) on 10.11.2022. Around 40 farmers attended the workshop.

Lakshadweep

Animal Health Camp



A week long animal health camp was organized by KVK-Lakshadweep, ICAR-CMFRI organized at Kavaratti ended on 3-11-2022. The animal health camp was funded by TSP of ICAR-CMFRI. This animal health camp is first of its kind in the island as there were no such intervention being held earlier for taking care of animal health. Best practices from the mainland were adopted to organize such an animal health camp. The camp was organized with the objective of providing basic information on animals related to health, nutrition, breeding, feeding, management, control and prevention of diseases, administer preventive inoculation and other measures. In addition to that the objective was to provide free veterinary health check-up facility and free distribution of veterinary medicines. The camp was inaugurated by Shri. Aboobaker Koya, Progressive farmer and President, Organic farming Society from Kavaratti who was key for requesting KVK to organize such camps. The camp comprised activities towards identification of diseases, practicing deworming, providing supplementary dietary and others related to dairy and poultry. About 4141 animals (dairy cows, goats, hen, duck, poultry birds), pets and birds were treated and other supplements were provided benefitting 512 farmers and other stakeholders.

Malappuram

Agri Start up Conclave



The farmers from all 14 districts of Kerala participated in PM Kissan Samman Sammelen and Agri Start up Conclave held at IARI, New Delhi on 17th and 18th October 2022. The DFI farmer of Malappuram district Sri. Alavikkutty also participated in the sammelen. Dr. Prasanth, Asst. Professor (Horticulture), KVK Malappuram accompanied the farmer group as an official from Kerala. The sammelen was telecasted in KVK, Malappuram on 19th October 2022 and 50 farmers from Malappuram district attended the programme

Meeting - NABARD

A Meeting with NABARD DDM, Sri Mohammed Riyas was organized at KVK Malappuram on 27th October to discuss various activities of the KVK and the scope for collaboration. The DDM appreciated KVK for organizing technology week of the KVK "Kathir 2022" in a grand manner with the support of NABARD during May 2022. KVK SMS presented the ongoing activities under their respective discipline and probable areas for new projects. Accordingly concept notes were requested for prospective programmes to be taken up with NABARD support

Training - Mushroom



Two training programmes on Mushroom cultivation was organized for 100 farmers on 28th and 29th of October at the KVK and Agricultural Research Station, Anakkyam respectively. Dr. Lilia Baby, Assistant Professor (Home Science) handled the sessions and explained about different types of mushrooms, nutritional importance and health benefits of mushrooms, scientific cultivation of oyster mushroom and milky mushroom, and briefed about the possibilities of value addition in mushroom. As part of KVK attachment module of RAWE programme, final year students of College of Agriculture, Padannakkad, conducted method demonstration of mushroom cultivation for the benefit of farmers.

Capacity Building - IFS

A capacity building session for Agricultural department officials were handled by Dr. Ibraheem Kutty, programme coordinator of the KVK, during the specialized training organized by ATMA at Malappuram. The programme formed the part of a major shift from crop based planning to farm plan based development envisaged by the Government of Kerala, wherein around 150 officials participated including all the Assistant Directors, Agricultural officers and Block Technology Managers under ATMA working in Malappuram district participated. According to the programme, each Krishibhavan has to include at least one IFS, among 10 farm plans to be developed for farmers holding 10 cents to 2 acres of cultivable land.

Malappuram

Exposure Visit

As part of the ongoing training programme to empower the women group for biological management of pests through augmentation of natural enemies, an exposure visit was conducted to Trichocard unit, an enterprise initiated collaboratively by Dept of Agriculture, Gramapanchayath and kudumbasree. The participants were familiarized with the need for convergence of panchayath schemes for the successful run of the enterprise, the schemes to which the activities can be converged for financial assistance, , utilization of available space for the production process etc. Ms. Rashmi, the Agriculture officer of Alathur Krishibhavan briefed the background that led to initiation of the enterprise and various schemes helped in the establishment of the unit. Fifteen women from three different blocks of the district has registered for the programme being conducted by the KVK with the financial support of NABARD.

Vigilance Awareness



A function was conducted in KVK, Malappuram on 31.10.22 at 11 am as a part of initiating vigilance awareness week 2022. Dr. Ibraheem Kutty, Programme Co-ordinator, KVK, Malappuram addressed the gathering focussing on the social menace of corruption and administered the pledge against corruption to the staff members of KVK at 11 am

Training - Mushroom

A RAWE programme was started for BSc (Agriculture) students of CoA, Padannakkad, Kasaragod from 28.10.22. The introductory class related to history of KVK, its mandates, organizational setup, specific functions, roles, achievements and future plans and interventions in agricultural extension were taken by Dr. Jasna V.K, Asst. Professor (Agril. Extension). Other sessions on interventions in Horticulture was handled by Dr. Prasanth K, Asst. Professor (Horticulture) and interventions in Meteorology and activities of DAMU were dealt by Ms. Sushna Sree, Subject Matter Specialist, (Agricultural Meteorology). During the afternoon session, the students were given the opportunity for a method demonstration of mushroom cultivation for the trainee farmers. On the second day field visits were carried out for the students across Vailathur, Ponnani & Edappal areas under the guidance of Dr. Najitha Ummer and Dr. Jasna V. K. The students visited the fields of GI tagged Tirur betel leaf across Vailathur region under the coordination of Mr. Shahul Hameed. They were also taken to the lotus field and fields of an IFS farmer Mr. Abdul Latheef.

Capacity development-Cattle

Capacity development session on "Cattle rearing - Problems and prospects under the Kerala situation" was carried out under the entrepreneurship development of ARS Anakayam. The one day session was handled by Dr. Ibraheem Kutty C., Programme coordinator KVK Malappuram and covered various aspects such Considerations for starting dairy enterprise, Economics and sustainability of the units, Management and housing, Feeding, breeding and disease prevention aspects. Thirty farmers from eastern parts of the district participated.

Mysuru

Online training - Terrace Garden



ICAR JSSKVK, Mysuru conducted online training programme on Terrace garden during 8th November 2022. Mrs. Netravati Yattinamani, Scientist (Home Science) explained about importance of vegetables and fruits in improving health, vegetables cultivation, details of vegetables which can be grown in Terrace garden and also explained about materials required for the establishment of Terrace garden. She also emphasis on importance of medicinal plants and cultivation in the Terrace garden.

Mrs. Divya H V SSH (I/c) explained about compost making, different types of composting and organic (natural) methods to control pest and diseases in the Terrace garden. More than 30 participants were joined the online training.

Kisan Swaraj Sammelan

In 3-days mela over 150 seed conservationists from across the country are showcasing India's rich agricultural diversity at the Fifth All-India **Kisan Swaraj Sammelan** of the Alliance for Sustainable and Holistic Agriculture (ASHA) at the Convocation Hall of Karnataka State Open University (KSOU) in Muktagangothri campus along Hunsur Road, Mysuru



It is for the first time such a meet is being held in Mysuru and the earlier Sammelans were held at Bhopal, Chandigarh, Hyderabad and Ahmedabad. Over 300 to 400 varieties of paddy including the famed "Mysuru Mallige" paddy variety are on display. The lion's share of paddy collection is from Tamil Nadu where conservationists are showcasing over 30 rare varieties. These are organically grown paddy and are less-prone to diseases. Farmers and seed savers from 17 States are participated in the Sammelan and the event was a platform for sharing ideas and also a place to exchange rare varieties of seeds so that their varieties can be multiplied and preserved. Sahaja Samrudha, Janapada Seva Trust, **ICAR-JSS KVK (Suttur)**, Soil, Allama Research and Cultural Foundation, Desi Seed Producer Company Ltd. and Belavala Foundation are among the Sammelan organisers. Conservationists usually buy one or two kg seeds at such exhibitions and cultivate them in their land for the seeds to multiply. Later, they are stored and disbursed among fellow seed savers. Apart from paddy, huge varieties of pulses, millets, fruits like banana, custard apple and soursop are on display. 1900 registered farmers all over the country participated in the event. 19 parallel sessions have organized. Banana fest, seed fest are the main attraction of the samelan.



Palakkad

Technical Support- Mango



Muthalamada, in Palakkad district, situated at the eastern border of the state is well known for its mango orchards. Mango is the major crop in Muthalamada and is cultivated in around 4500 hectares with a production of more than 90,000 tonnes. The special topography and climatic conditions make this area highly suitable for production of good quality mangoes. But for the past 2-3 years, the change in climatic scenario that extends the North East rainfall to November – December has affected mango production in the area drastically. Poor nutrient management as well as pests such as mango hopper, flower webbers, semi loopers and thrips also contribute to yield loss. KVK Palakkad is regularly conducting awareness programmes, field visits and giving necessary recommendations for the farmers. As a part of this a field visit was conducted on 05.11.2022 along with experts from College of Agriculture, Vellanikkara. As flowering had initiated in some plots, mango hopper infestation was noticed. Necessary recommendations were given.

Natural Farming



An awareness programme on 'Natural Farming' was conducted at KVK Palakkad on 03.11.2022. Topics on organic manures and organic bio control agents, their importance and applications were dealt with. Dr. Sreelakshmi K (Asst. prof., KVK Palakkad) and Dr. Resmi J (Asst. prof., KVK Palakkad) led the sessions. Preparation of various liquid organic manures, biocontrol agents and azolla was demonstrated by RAWE students of CoA, Padannakkad.

FLD - Banana



KVK Palakkad started FLD of string pseudo stem support system for banana, in a farmer field at Vilayoor panchayat. Pseudostem string support system is a technology developed by Kerala Agricultural University which provides a stable support and balance to the plant thereby, banana plant is prevented from tilting due to a strong wind or being broken off due to heavy weight of fruits. Metal rings were fixed on five-month-old banana plants using two ropes running in perpendicular directions. Demonstration has been initiated in an area of 10 cents having 100 numbers of banana plants.

Palakkad

Awareness Programme – Tribble



ICAR-Krishi Vigyan Kendra Palakkad with the collective association of Kerala Forests and Wildlife Department as well as Block level agriculture knowledge center (AKC) conducted a three day skill development training for tribes in Attappady. The training was intended to improve the livelihood security of Attappady tribes through mechanization and marketing of traditional broom stick making. Dr. Resmi J, Assistant Professor (Horticulture) and Nodal Officer (AKC- Attappady), KVK Palakkad gave a brief introduction about the “Vandhan” programme which aims for empowering tribal Communities and sustainable management of forest resources. The tribes were trained to harvest broom grass in a sustainable manner from the interior part of the forests, process the broom grass using machinery and then pack the product with eco-friendly materials. Hands on training on broomstick making was given by Smt. Parvathy, (Skilled Staff). Sri. Swarupand Sri. Rajeev Unnikrishnan, gave detailed information regarding machinery usage, product branding, labelling and marketing. A total number of 124 trainees who represents three hamlets in Sholayur panchayath attended the sessions. The Forest department is planning to market these broomsticks through their 35 Vanasree eco shops and two mobile units which targets for better livelihood of forest dependent population.

Pathanamthitta

Seminar – Tropical fruit cultivation



ICAR - Krishi Vigyan Kendra, CARD, Pathnamthitta in collaboration with Malayalam Manorama Karshakashree and SBI, Kumbanad NRI Branch jointly organised one day seminar on “Modern technologies in tropical fruit cultivation and its prospects and challenges” on 9th November 2022 at KVK Campus. The idea of considering scientific cultivation of innovative fruit varieties as another step for farmers who have to give up traditional farming due to fear of weather and wild animals paved way for the seminar. The Seminar was inaugurated by Rev. Moncee Varghese, Director, and CARD. Dr. CP Robert, Senior Scientist and Head, KVK, Pathanamthitta in his presidential address stressed on the need of selecting region specific fruit crops according to the soil and climate. He also specified that the current trend of cultivating more agricultural crops rather fruit crops must change as fruit cultivation is more profitable than any other crop if cultivated scientifically. Mr. T.K Sunil Kumar, Editor In charge Manorama Circulation division, Mr. S. Indukumar, Senior Executive, Manorama Circulation division and Ms. M. Gayatri, Manager, SBI Kumbanad also spoke on the occasion. Mr. C.K Mani, an innovative farmer from Adoor Taluk of Pathnamathitta district was felicitated during the programme for his innovativeness and passion towards organic farming. The technical session was led by Dr. Rincy K Abraham, SMS (Hort), KVK, Pathanamthitta.

Ramanagara

Training - Redgram



Red gram (*Cajanuscajan*) is an important pulse crop in Ramanagara. The crop productivity of redgram is severely affected by biotic stresses such as *Fusariumwilt* (FW) caused by *Fusariumudum* and could result in complete yield loss. Hence, the farmers in the region rely exclusively on the application of chemical fungicides to combat *Fusarium* wilt and sterility mosaic disease which has resulted in a tremendous misuse of fungicides and acaricides in an attempt to recover from the infection and also yield of pigeon pea is decreasing due to flower drop and pod setting in climatic vulnerability situation. Hence, many farmers refrained from growing redgram because of this disease. New wilt and sterility mosaic disease resistant variety (BRG-3) as technology backstopping. Demo on pulse magic and sex pheromone traps for pest monitoring. The pulse magic contains 10 % of nitrogen, 40 % of phosphorus, 3 % of micronutrients and 20 ppm PGR. 10 g of nutrient mixture and 0.5 ml of tonic mixed in one liter water sprayed two times in redgram, first spray at 50 % flowering stage and 2nd spray at 15 days after first spray of pulse magic. Spraying pulse magic nutrients at reproductive stage of crop will be helpful to reduce the flower drop and get higher yield. Sex pheromone trap helps to monitor the activity and early detection results in damage reduction by pod borers in redgram.

Shivamogga

Awareness Programme



During these awareness programmes, Dr. Niranjana, K. S. (Farm manager) and Miss. Smitha, G. B., Scientist (Horticulture), Krishi Vigyan Kendra, Shivamogga suggested the farmers to take the necessary precautionary measures and collective actions to manage the arecanut leaf spot disease with proper chemical sprays. They also explained the main reasons for the spreading of leaf spot disease in arecanut such as continuous rainfall since last year as well as atmospheric humidity in Malnad areas which are affecting the plant growth development and making plants more susceptible to leaf spot disease. They also informed the main fungal organisms responsible for the disease such as *Colletotrichum* and *Phyllosticta* being airborne diseases which can spread through heavy winds and raining splashes easily. On this occasion, the scientists visited the infected plots, gave necessary advice and explained the symptoms of arecanut leaf spot disease. In detail they gave the solution for the management of arecanut leaf spot disease such as application of fungicides like Carbendazim + Mancozeb (2 g/l) or Hexaconazole (1ml/l) or Propiconazole (1ml/l) and proper nutrient management. During these awareness programmes

Shivamogga

Training-Capacity development



ICAR- KVK, Shivamogga conducted 3 days skill oriented capacity development programme on Coconut palm climbing through machine under the project Attracting and Retaining Youth in Agriculture (ARYA) from 08-11-2022 to 10-11-2022. The inauguration and closing ceremony of the programme was organized on 09-11-2022 and 10-11-2022 at KVK, Shivamogga. In the programme, Dr. B. C. Hanumanthaswamy, SSH given introductory speech and welcomed everyone. In his speech, he explained in detail about the ARYA programme and the topics covered during the three days skill development programme such as management of coconut nursery, integrated nutrient management in coconut, integrated pest and disease management in coconut, value addition in coconut and marketing strategies etc. The programme was inaugurated by Hon'ble Vice Chancellor Dr. R. C. Jagadeesh, KSNUAHS, Shivamogga. In his inaugural speech he guided the trainees to develop the skill from this capacity development programme so that, they can increase their quality of work.

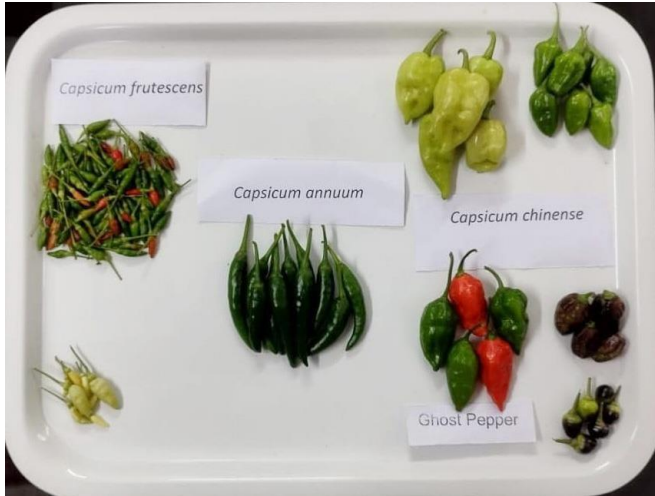
He also informed the trainees about the different training programmes which are conducted in krishi vigyan kendra, Shivamogga and suggested to stay in contact with the Scientists for any problems related to agriculture. Dr. S. U. Patil, Associate Director of Extension, KSNUAHS, Shivamogga in his speech he told the trainees to get knowledge about all the aspects of coconut cultivation regarding pest and disease management and nutrient management. He also suggested the trainees to get benefitted from this capacity development programme so that they can ensure additional income generation. Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga, in his presidential address, he briefed about the purpose and need of capacity development programmes to the rural youth. He suggested the trainees to carry out the skill oriented jobs such as expert services in mechanization, spraying and harvesting. He also informed the trainees to establish own nursery of all plantation, fruit and vegetable crops in order to sell the good quality seedlings and to make profit out it. Totally 25 rural youth got benefitted from this programme as well as staff of Krishi Vigyan Kendra, Shivamogga were also participated in the programme.

Awareness Programme

The awareness programme on management of arecanut leaf spot was conducted at Maastikatte, Aramane koppa, Sampekatte, Karimane, Baise, Yadooru, Sullagudu and Andangaduru of Hosanagara taluk from 17-10-2022 to 22-10-2022 in collaboration with Department of Horticulture, Hosanagara. The awareness programme on management of arecanut leaf spot was conducted at Maastikatte, Aramane koppa, Sampekatte, Karimane, Baise, Yadooru, Sullagudu and Andangaduru of Hosanagara taluk from 17-10-2022 to 22-10-2022 in collaboration with Department of Hort., Hosanagara.

Thiruvananthapuram

Ghost Pepper - A guest crop



ICAR Krishi Vigyan Kendra, Mitrani ketan, Thiruvananthapuram was successful in producing locally, one of the hottest chillies in the world. Known as “**Ghost Pepper**”, it is an inter specific hybrid of *Capsicum chinense* and *Capsicum frutescens* grown in the north eastern regions of India, especially in Nagaland, Manipur and Assam. It had its place in the Guinness Book of World Records for the world’s hottest chilli for about 4 years from 2007 to 2011, later taken over by the “*Trinidad Scorpion Butch T Pepper*” in 2011 and the “*Carolina Reaper*” in 2013. The ripe fruits of Ghost Pepper were procured from the exhibition stall of KVKs of ATARI Zone VII, during the National Conference of KVKs in Solan, Himachal Pradesh. We were in receipt of two varieties, one has broad leaves and was said to be susceptible to wilt. The other one with comparatively narrow leaves was robust was said to be and free from wilt incidence. Three systems of cultivation were tried at our KVK, one set of plants in open field conditions in grow bags and normal planting media.

The next set in soilless low cost aquaponics system fed with nutrients and water from the fresh water fish unit and another set in soilless low cost hydroponics system fed with water soluble fertilizers. The seeds were sown in trays with enriched coir pith medium but was slow to germinate and took three weeks to germinate under Thiruvananthapuram conditions. The wilt susceptible plants grown in normal potting media were lost due to disease incidence. In plants grown in soilless media, the growth was fast with flowering during the month of mid-October and ripe fruits were obtained during the second week of November 2022. Staking was given to prevent lodging in soilless cultivation since a good load of fruiting was expected in such a system of planting. No pest incidence was seen in Ghost Pepper during its life span, though pests like aphids, thrips and mites were seen in other types of chillies grown in our farm. The most common Bird’s Eye Chilli (*Kanthariin Malayalam*) of Kerala, which is considered a very hot chilli with 50,000–100,000 Scoville Heat Units (SHU) is much behind the Ghost Pepper which has an average of about 1 million SHU. ICAR KVK, Mitrani ketan, Thiruvananthapuram, hosts a wide cultivar of chillies from different parts of India, both for culinary purposes and for its ornamental value.



Thrissur

Training – School students



KrishiVigyan Kendra Thrissur's flagship programme offering a one-day farm learning experience to school students named '*Pulchadikkoottam*' (a swarm of grasshoppers) is fetching momentum in Kerala. The core concept of this programme is that agricultural education can help students learn several basic survival skills. The students are made to involve in potting mixture preparation, grow bag filling, planting, weeding, budding, grafting, layering, composting, mushroom bed preparation, feeding of animals and fish, preparation of bio inputs and value-added products, operation of garden tiller, coconut climber etc. Farming and agriculture are intense disciplines to learn about, and their practical application is physically demanding. By participating in this programmes, students are made more physically active, thus strengthening them both physically and mentally. The ultimate aim is to attract students to agriculture, enhance their skills and attitude and provide light on their talents. Schools from Thrissur and Ernakulum districts enthusiastically participate in the programme

Tumkur-I

Workshop



ICAR KVK Konehalli conducted 11 workshop on energy efficient agricultural pump set and water conservation sponsored by PCRA, from 1st to 15th November 2022. The workshop conducted at 11 places near by KVK Konehalli and create awareness regarding energy conservation practices and water conservation methodologies. Totally 430 farmers from 11 workshop were attended

INM- Pigeon pea



ICAR KVK Konehalli conducted 11 workshop on energy efficient agricultural pump set and water conservation sponsored by PCRA, from 1st to 15th November 2022. The workshop conducted at 11 places near by KVK Konehalli and create awareness regarding energy conservation practices and water conservation methodologies. Totally 430 farmers from 11 workshop were attended

Tumkur-II

QRT team visit



The QRT team of ICAR-IIHR, Bengaluru visited to ICAR-KVK, Hirehalli on 3rd November, 2022. Dr. V.A. Parthasarathy FNABS, President, National Academy of Biological Sciences, Chairman QRT and Dr. D. Balasimha (Former Principal Scientist, ICAR-CPCRI, Vittal), QRT Member went around different demonstration units of KVK. A brief progress report was also presented by Dr. N. Loganandhan, Head and Principal Scientist, KVK. Chairman and member of QRT appreciated the activities of KVK.

Uttara Kannada

24th SAC meeting



The Scientific Advisory Committee Meeting (SAC) of ICAR-KVK Uttara Kannada was conducted on 4.11.2022 at KVK Sirsi. At the outset, Dr. M. J. Manju, Sr. Scientist and Head, KVK Uttara Kannada, Sirsi welcomed the delegates and members of SAC. He presented the Action Taken Report of 23rd Scientific Advisory Committee Meeting and progress report from 24.12.2021 to 31.10.2022. Dr. P.L Patil, Hon'ble Vice Chancellor, UAS, Dharwad graced the event as president of SAC and released two extension folders on 1. Thaisac brood disease management in Honey bees and 2. Management of monkey menace and cultivation of suitable wild fruit trees preferred by monkeys and value added products from raw banana powder (BAKAHU). In his presidential remarks, he stressed that UK district possesses most fragile ecosystem. Hence suitable scientific technologies need to be transferred to the farming community. Also made mention about suitability of the district for integrated farming system involving Forestry / Horticulture/ Agriculture/ Veterinary/ Fisheries and allied activities. Dr. A. S. Vastrad, DE, UAS Dharwad & Shri Honnappa Gouda, JD, DoA, Karwar suggested valuable information for future action plan. Dr. D V S Reddy, Principal Scientist and Nodal officer, ATARI, Bengaluru participated in the meeting through online mode and shared valuable information on introduction of new exotic crops. The detailed discussions were held on wild life menace specially monkeys, introduction of saffron, honey quality testing parameters, evaluation of red rice varieties to coastal taluks etc. A total of 27 members participated in the event and the meeting was concluded with vote of thanks by Dr. Roopa S. Patil, Scientist, KVK Sirsi.

Vijayapura-I

Capacity Development



ICAR - Krishi Vigyan Kendra, Vijayapura organized capacity development programme on Integrated Management of pink bollworm at B.Bagewadi village under Insect Resistance Management (IRM) Project. Scientist(Plant Protection) Dr.Shivalingappa Hotkar given suggestion to the farmers on management of pink bollworm in cotton. On this occasion Dr. Poornima Matti, Scientist, ARS, Hebballi farm participated in the programme and addressed the farmers about the use of pheromone traps, SPLAT application of gossy plure 5% gel for the integrated management of pink bollworm in cotton. The progressive farmers of the village shared demonstration experience during the programme.

Vijayapura-II

Training – Nutri gardens

ICAR-KVK, Vijayapura-II (Indi) organized off campus training programme on **"Importance of Nutri Garden"** on 10.11.2022 at Ahirsanga village

Dr. Heena M.S. Scientist (Horticulture) KVK, Vijayapura-II (Indi) welcomed all the farm womens and delivered lecture on Importance of Nutri Garden and year round production of vegetables and distributed vegetable seed kit and fruit crop seedlings. Dr. Savita B. Scientist (Soil Science) gave information on composting using kitchen waste. In this programme 25 farm women's were participated and got benefited.

Training – ICM in Grape



ICAR - Krishi Vigyan Kendra, Vijayapura-II (Indi) organized on campus training programme on **"ICM in Grape"** on 07.11.22. The programme was inaugurated by Dr. Prema Patil, Senior scientist and Head KVK, Indi and spoke about training programme and requested farmers to utilize the technical expertise of different scientist and other facilities available for farmers at KVK, Indi. Dr. Siddanna Toke, Assistant Professor, HREC, Tidagundai delivered a lecture on **"canopy management after October pruning in Grape"**. Dr. R.D. Rawat, Retired Principal Scientist, IIHR, Bengaluru delivered lecture through virtual mode on **"Disease Management in Grape"**. Dr. Heena M.S. Scientist (Hort), gave lecture on calendar of activities for fruit pruning season based on different growth stages of Grape. Dr. Savita B. Scientist (SS) on **"Soil & water testing and importance of petiole analysis"** in grape. Dr. Arjun Sulagitti, Scientist (Plant Protection), delivered the lecture on **IPM in Grape (IPM)**.

Wayanad

19th SAC Meeting



KVK Wayanad conducted 19th Scientific Advisory Committee meeting on 05.11.2022. KVK Wayanad Programme Coordinator Dr. Safia N. E, welcomed all the participants of the meeting. Dr. Jacob John, Director of Extension, Kerala Agricultural University presided the function. Dr. D. V Kolekar, Nodal officer, ATARI gave critical remarks. Action taken report on the recommendations of 18th SAC and salient achievements was presented by Dr. Safia N. E, Programme Coordinator. The mandatory activities like OFT, FLD, training and entrepreneurship development programmes of KVK during the current year and the action plan for next year were also presented in the meeting. Dr. Ajith Kumar, Associate Director of Research and Dean, RARS Ambalavayal rendered special remarks. This was followed by discussion and interaction by the members of SAC. Scientists from IISR and KVASU along with other line department officials from Agricultural department, ATMA, Animal Husbandry department, Soil survey, Soil conservation department, NABARD, VFPC, MGNREGS, Tribal Extension, Kudumbasree and Progressive farmers highlighted their crop related different problems and suggested thrust areas for the formulation of action plan 2023-24.

Women Empowerment



KVK Wayanad, distributed layer hens to 40 tribal families under tribal development project of Tribal Smart Village Adoption Programme. The programme was conducted in convergence with AICRP on Forage Crops, RARS (SZ), Vellayani. Dr. Safia N.E, Programme Coordinator, KVK welcomed the gathering. The programme was inaugurated by Sri. Usman, Noolpuzha Panchayath President that was chaired by Block panchayath president Sri. Asainar M.A, ward member Anil M.C and Padasekharam President Sri. Paulose. AICRP in-charge, Dr. Ameena distributed layer hens to the members. Followed by the distribution of layer hens, Dr. Smithy John held a training for representative animators of the tribal colony on rearing of layer hens.



Yadgir

Animal Health Camp



The animal health camp was organized by ICAR-KVK, Yadgir in collaboration with department of AHVS, Gurmitkal and RAWE students of AC, Raichur. Dr. Kotresh Prasad scientist (Animal Science) briefed about Lumpy Skin Disease (LSD) and its impact on livestock health to the farmers and students. Dr. Umesh Barikar scientist (Soil & Water Engg) explained about soil health importance and Dr. Ashwath Narayan explained about importance of animal husbandry in doubling farmer's income. The students of staff of KVK & Department of AHVS participated actively. More than 800 animals were vaccinated with goat pox vaccine for Lumpy Skin Disease and 450 sheep and goat were dewormed during the programme.

Calicut (Kohikode)

Celebration - Children's Day



Krishi Vigyan Kendra, IISR, Peruvannamuzhi celebrated children's day with the exposure visit of children and parents from Block Resource Centre, Samagra Shiksha Kerala, Thodannur. They were visited KVK demonstration units and exposed to KVK activities. The participants were carried growbag filling using nursery media and planting of cool season vegetables. They were also distributed with pro-tray seedlings for raising in their block level facility as part of horticulture therapy. The programme was coordinated by KVK staff Dr. P Ratha Krishna and K M Prakash and BRC coordinator Mr. Rajeevan V K.

