

KVK TIMES

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

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KVK
Krishi Vigyan Kendra
Kodagu





KVK TIMES

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

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Dr. V. Venkatasubramanian

The Director
ICAR-ATARI, Bengaluru



Foreword

Krishi Vigyan Kendras are playing a vital role in providing improved technologies to the farming community. Krishi Vigyan Kendras have effectively disseminated the technologies from research laboratories to the farmers and end users. They have made dent and has become part of decentralized planning and implementation instrument to achieve desired level of growth in agriculture and allied sectors.

KVKs are an important institution in each district from where knowledge and technology will flow to various stakeholders through effective partnerships. 'KVK TIMES' which documents fortnightly activities of KVKs of the Zone- XI is well received by the stake holders. Most of the news items published in the 'KVK TIMES' has got the potential of cross learning among KVKs and worth reading.

I acknowledge with gratitude, the support and guidance given by Director, ICAR-IIHR, Bengaluru to strengthen the KVK Kodagu activities.

I appreciate the efforts of Dr. Saju George, Senior Scientist & Head of ICAR-KVK Kodagu and his team in bringing out the 24th Edition of 'KVK TIMES'.


(V Venkatasubramanian)



Dr. DEBI SHARMA

The Director
ICAR-IIHR, Bengaluru



Message

ICAR-Krishi Vigyan Kendra (KVK) is a knowledge and Resource Center of Indian council of Agricultural Research (ICAR). KVKs are the main pillars in introducing the location specific technologies to the farming community at district level and creating the sensitization on technologies in agriculture. With ICAR-IIHR, we are having two KVKs at Hirehalli (Tumkur Distt.) and Gonikoppal (Kodagu Distt.). Both KVKs are doing well in disseminating IIHR technologies and technologies from the NARS system.

Kodagu is a unique hilly district of Karnataka where coffee is the major plantation crop and other horticultural crops co-exist with coffee plantations. Here the extension efforts needs to be very focussed looking into the unique agroecological situation of the district and the KVK has done well in initiating some unique initiatives. KVK Kodagu has taken initiatives in mobilizing farmers, creating Puthari Farmer Producer organisation, establishment of Arka Microbial Consortium production unit for benefitting black pepper farmers, oyster mushroom spawn production in addition to popularisation of IIHR varieties and technologies like Arka Coorg Excel pepper variety, fruit fly traps in Coorg mandarin, Arka Mangala variety of yard long bean etc.

Documentation of various activities carried out by KVKs is an important task and this will help in furthering sustainable technologies in agriculture. So the novel idea of ATARI, Bengaluru in bringing out 'KVK TIMES' to continuously document the work of all the KVKs in Zone XI is highly appreciable. This would serve as a ready reference for accessing important milestones achieved in the zone.

My heartfelt Gratitude goes to Dr. Saju George and his team at ICAR-KVK, Kodagu for editing and compiling this issue of 'KVK TIMES' for the period 16-30' June 2022. My compliments to the entire team for covering the important events and activities of KVKs from Karnataka, Kerala and Lakshadweep in this issue.

Sharma

(DEBI SHARMA)



Dr. SAJU GEORGE
Principal Scientist and Head
ICAR- KVK, Kodagu



ACKNOWLEDGMENT

I take this opportunity to express my heartfelt gratitude to our present Director Dr. Debi Sharma and Previous Directors Dr. B.N.S Murthy and Dr. M.R. Dinesh for their constant support to this KVK and encouraging us to take up unique initiatives for reaching the farming community of Kodagu district.

I am wholeheartedly thankful to Dr. V. Venkatasubramanian, Director of ICAR- ATARI, Bengaluru, for his immense support, constant guidance and motivation in all efforts of KVK. I extend my sincere gratitude to Dr. Mallikarjun B. Hanzi , Nodal Officer of KVK Kodagu for his timely guidance, supervision and continuous support. We are also very much thankful to all the scientists from ICAR-ATARI for guidance in various programme of our KVK during the meetings and their visits to this KVK.

It is my immense pleasure to express my sincere gratitude to all KVKs of Zone XI for the quick response and sharing of their valuable activities for KVK Times within stipulated time.

I am very much indebted to the entire team of KVK Kodagu for their timely efforts in compiling and editing of this issue of KVK Times. We would like to express our profound gratitude to ICAR- ATARI, Bengaluru for giving us this opportunity to compile the 24th issue of KVK times for the period

(Dr. SAJU GEORGE)



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Zonal Workshop of KVKs on Strengthening IFS through Appropriate Technologies along with Organic and Natural Farming Practices

University of Agricultural Sciences, Dharwad
19th to 22nd June 2022





ICAR-KVK, BAGALKOTE

International yoga day



Yoga is the key activity to improving flexibility, strength, balance for the body and mental piece. So, 8th international yoga day 2022 will be celebrated all over the world with the theme 'Yoga for Humanity'. KVK Bagalkote staff celebrated Yoga Day on 21/06/2022 and performed different yoga asanas under the guidance of Dr. Airadevi Angadi, Scientist (Horticulture).

Farmer Awareness Campaign on efficient and balanced use of fertilizers

KVK Bagalkote Conducted an awareness programme on efficient and balanced use of fertilizers on 21/06/2022 at Mangalagudda village, Bagalkote district. Dr. Dinesh Kumar, Scientist Agronomy explained about fertilizers efficient use techniques to farmers. A total of 37 Farmers participated and got benefit of this programme.

“Pest Surveillance” in Jamakhandi and Madarkandi villages



Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote participated as a team member of “Pest Surveillance” in Jamakhandi and Madarkandi villages of Jamakhandi (Tq), Bagalkote (Dist.) along with Sri. K.S. Agasinal, DDA, Jamakhandi, ADA, Jamakhandi and AO & AAO's of Dept. of Agriculture, Bagalkote on 29.06.2022

Awareness programme on Weather based Agriculture



An awareness programme was conducted on 16.06.2022 to Diploma students of Belagavi district at KVK Bagalkote. A total of 32 students participated and got benefit of this programme. Mr. Basavaraj Nagaleekar (SMS Agrometeorology) explained to farmers about weather, climate, climate change, reasons for climate change, effects of climate change on agriculture, mitigation strategies, Objectives of GKMS project, details about DAMU and Weather based Agro-advisories. Also explained about Automated weather station and Weather-related mobile applications like Meghdoot, Mausam, Damini. On this occasion petroleum conservation awareness programme was also organized for these students.

ICAR-KVK, BALLARI

Capacity Development Programme on Integrated Crop Management in cotton and chilli



ICAR-KVK, Ballari in collaboration with Department of Agriculture, Ballari and DATC, Kampli (Ballari) conducted off-campus capacity development programme to educate farmers on integrated crop management practices to be followed in cotton and chilli. The programme was organized at Talur and Anthapur villages of Sandur taluk on 17th June 2022. Cotton and Chilli are the major crops covering more than 70 per cent of agricultural land in and around these villages. Leaf reddening and pink boll worm menace in cotton are the major problems faced by the farmers. Whereas invasive thrips and fruit rot are the major constraints in production of chilli.

Hence, farmers were sensitized on integrated nutrient management in both the crops, scientific agronomic practices / other management practices to be followed to effectively manage pink boll worm in cotton and fruit rot in chilli. Dr. Govindappa, M.R., Scientist (Plant Pathology), Dr. Anandkumar, V., Scientist (Agril. Entomology), Dr. Ravi, S., Scientist (Soil Science) from KVK, Ballari participated as resource persons. Agriculture Department officials, Sri Manjunath Reddy, C.A., ADA, Sandur (tq), Smt. Vidyavathi, ADA, DATC, Kampli and Sri Somashekar, K., AO, Torangallu (Sandur tq) witnessed the programme. Total of 160 farmers were benefitted by the training programme.

ICAR-KVK, BELAGAVI-I

Capacity Development Programme on Fish retail marketing, fish value addition and other EDP avenues



The training was inaugurated by Dr. Ashok Narula, Former Director, ATARI. In his inaugural speech, interacted with training participants regarding their previous profession and in what way this training will enable them to explore the new avenues of entrepreneurship in fish retail marketing. Dr. D. A. Mehtre, Senior Scientist of KVK addressed the gathering and explained the plan of training activity. Sri. R. M Patil, Ex-Minister, Govt. of Karnataka and Chairman of the KVK presided the function. In his presidential remark stated that women empowerment is possible when entrepreneurship activities are adapted. Hence, rural women must join together to establish fish retail units and value addition units.

Adarsha H. S, Scientist (Fisheries), have given complete activity details of the training programme. The purpose of the training programme, method of selection of trainees, future prospectus for the entrepreneurship in fish retailing was deliberated during his introductory remarks. Afternoon session after the lunch started with preparation of fish cutlet from Pangaisus fillet and Rohu. Mr. Mrunal Madalli, Cooking Expert and Hotel Management Consultant was the resource person for this session.

The certificate for the participation in the three-day training programmes were distributed by the dignitaries to all 53 trainees. Travelling allowance and Dearness Allowances were distributed according the training norms of NFDB to all the training participants.

ICAR-KVK, BELAGAVI-II

Foundation stone laying ceremony of Farmers' Hostel and KVK Staff Quarters



Sushri Shobha Karandlaje, Union Minister of State for Agriculture and Farmers Welfare, Govt. of India, New Delhi laid Foundation Stone for Farmers Hostel and Staff Quarters on 19.06.2022 at ICAR-KLE KVK, Belagavi-II. Speaking on the occasion expressed that, KLE Krishi Vigyan Kendra, Mattikopp has come up as a model centre for rendering the services to the farming community. KVK has come up with good number of technologies which has been widely adopted by the farmers of the region. To strengthen the KVK activities Rs. 1.7 crores has been released by Director, ICAR-ATARI, Bengaluru towards construction of Farmers Hostel and Staff Quarters. Further, called upon the farmers to make use of Soil Fertility Index Chart developed by the KVK Scientist which is village specific. Appreciated the efforts of KVK step towards increasing the area under oil seed crop in particular to soybean with the technical guidance from ICAR-IISR, Indore.



The requisite fund for this project was provided by Department of Agriculture and Farmers Welfare to the tune of 1.5 crores. Production of oil seed is being given a boost as it reduces the country's reliance on imports for its cooking oil. This programme is being launched to achieve self sufficiency in oil seed production. Similar steps have been taken to export fruits and vegetables to other countries. The motto of the agriculture Scientist should be towards doubling farmers income through their technologies. She said that the Government has been extending credit facilities at a three per cent rate of interest to start agriculture based business. Dr. Prabhakar B. Koreji, Chairman, KLE Society, Belagavi expressed that, Farmers Hostel is a need of the hour for organizing training programme for the farmers. Similarly by construction of the Staff Quarters at the KVK Campus will facilitate the farmers to avail the service of the Scientist as and when required. As sugarcane and soybean are the major crops of the district and KVK is popularising intercrop of sugarcane with soybean to ensure self sufficiency of oil seed crop. KVK has produced 1500q of seed

during last year. As Belagavi is a hub for vegetable production and 50% of vegetables are wasted due to poor handling, thus by establishing huge vegetable processing unit at the Belagavi will help the farmers in getting remunerative prices for their produce. Shri Mahantesh Dodagoudar, MLA, Kittur called upon the farmers to make use of facilities at the KVK and Kisan Bazar to get quality inputs like seeds and fertilizers. The services of the Scientist must be availed to obtain good yield and congratulated Dr. Prabhakar Koreji for completing one decade in the service of the farming community.

Dr. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru expressed that KVK is putting all out efforts to the double the farmers income through its KVK mandated activities. This KVK is pioneer in supply quality seeds of soybean. Shri B. R. Patil, Chairman, ICAR-KLE KVK, Mattikopp welcomed dignitaries and gathering. Mrs. Sridevi B. Angadi, Senior Scientist and Head, ICAR-KLE KVK, Mattikopp delivered vote of thanks.

Visit of KVK Heads under Zone-XI



Senior Scientist & Head of 48 KVKs under Zone-XI visited ICAR-KLE Krishi Vigyan Kendra, Mattikopp on 21.06.2022 as part of the zonal workshop of KVKs held at UAS, Dharwad from 19-22 June 2022. The Scientists visited various demonstration units of KVK instructional farm viz., Vermicomposting unit, horticulture orchards, nursery, sericulture, dairy unit, goat unit, agro-forestry unit and laboratories like soil and water testing laboratory, seed processing unit and plant health clinic. They also visited the sales outlet -

Kisan Bazaar established by the KVK to provide input supply service to the farming community.

Mrs. Sridevi B. Angadi, Senior Scientist & Head and KVK Scientists Dr.S.S. Hiremath, S.M. Warad, G.B. Vishwanath, Praveen Yadahalli interacted with visiting Scientists and dignitaries about the establishment of demo units and the activities of laboratories.

Shri B.R. Patil, Chairman, ICAR-KLE KVK, Mattikopp, Dr.V. Venkatasubramanian, Director, ICAR-ATARI, Zone-XI, Bengaluru, Dr.Shivanand Karale, Registrar, UAS, Dharwad, Dr. K. Narayanagowda, Director of Extension, UAS, Bengaluru, Dr.B.T. Rayudu, Principal Scientist, ICAR-ATARI, Zone-XI, Bengaluru, Dr. Timmappa, Scientist, ICAR-ATARI, Zone-XI, Bengaluru, Dr.D.V. Kolekar, Scientist, ICAR-ATARI, Zone-XI, Bengaluru were present during the visit.

ICAR-KVK, BENGALURU RURAL**Celebration of International Yoga day, Awareness on Balanced use of fertilizers, Awareness on region specific agro forestry**

ICAR-Krishi Vigyan Kendra, Bengaluru Rural District organized Celebration of International Yoga day, Awareness on Balanced use of fertilizers, Awareness on region specific agro forestry on 21.06.2022. 57 members were participated in the programme. Dr. Krishna murthy, Professor & Head (STCR), UAS, GKVK, Bengaluru explained about the Balanced use of fertilizers and use of nano fertilizers. Dr. J. Venkate Gowda, Scientist (Agronomy), ICAR-KVK, Bengaluru Rural District briefed about silvi pasture models suitable for Bengaluru Rural District viz., Melia dubia + COFS-31 fodder, Agro forestry model and RET forest species + Soya bean models and field visit was also arranged to KVK demo plots.

**ICAR-KVK, CHAMARAJANAGARA****Capacity Development programme on Efficient and balanced use of fertilizer**

An awareness campaign was organised regarding Efficient and balanced use of fertilizers at ICAR KVK, Chamarajanagara on 21.06.2022. A total of 40 participants were present. The programme was presided over by Mr. C. Suresh Kumar, CEO, Souhardha Farmer Producers Company Ltd, Ankanashettyapura village, Chamarajanagara taluk & district and the chief guest was Mr. Mallu, Progressive farmer, Bandigowdanahally village Chamarajanagara taluk & district. Mr. Yogesh, G.S., Scientist (Soil Science) presented scientific soil sampling techniques, importance of fertilizers in agriculture, specific recommendations pertaining to nutrient management in different crops. Mr. Rajath H.P., SMS (Agrometeorology - DAMU) provided information regarding organic manure preparation and application along with weather based agro-advisories and their importance in agriculture. An exhibition of different organic, inorganic and biofertilizers was arranged at KVK, Chamarajanagara premises for the benefit of participants. Scientific soil sampling and detection of fertilizer adulteration was demonstrated to the farmers and the farmers were taken to the KVK soil testing laboratory and explained regarding the activities of soil testing. Miss. Supriya N. S., Scientist (Agril. Extn.) explained the agro-forestry concepts and the benefits of its adoption at farm level. The programme was ended with vote of thanks.

ICAR-KVK, CHIKKABALLAPURA

ICAR- KVK, Chikkaballapura organised international Yoga day and national level campaign on Efficient and Balanced use of fertilizers (Including Nano fertilizers) on 21.06.2022. Dr. Gayathri B. Scientist explained about importance of balanced use of fertilizers and also about use of nano fertilizers. Dr. Vinoda K.S., Scientist (Sericulture) emphasised on importance of yoga for healthy life. 33 farmers/ farm women participated in the event.

Off campus training on importance of seed treatment and crop maintenance in Redgram was organised by ICAR, KVK, Chikkaballapura on 28.06.2022 at Kamaganahalli village of Gouribidanur taluk. Mr. Vishwanath, Scientist (Agronomy) explained about seed treatment in redgram and demonstrated the procedure of seed treatment in redgram.



ICAR-KVK, CHIKKAMAGALURU

Jack Mela-2022



ICAR Krishi Vigyan Kendra, Chikkamagaluru has organized two days Jack Mela-2022 on 28.06.2022 and 29.06.2022 at Sakkarayapatna, Kadur taluk, Chikkamagaluru district. Dr. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga briefed about importance of Sakkarayapattana jack fruit in worldwide and enlightened the participants to make use of this mela to enhance the knowledge about Jack varieties.

In the exhibition fruit products like Biscuits, Jams, chips and other jackfruit dishes at the mela were displayed; the different varieties of jackfruits like Champadak, Gadakanahalli, Shankara halasu, Chandra Halsu, Rudrakshi Halasu were displayed in exhibition. Total 1200 farmers were participated on two days programme and got benefit out of this.

ICAR-KVK, CHITRADURGA

“Efficient and balanced use of fertilizers”

A programme on “Efficient and balanced use of fertilizers” was held on 21st June, 2022 at Krishi Vigyan Kendra, Babbur farm Hiriyur, Chitradurga. The programme was inaugurated by pouring water to the plant by Dr. Onkarappa, Scientist (Plant protection), Dr. Prakash Kerure, Scientist (Horticulture), Dr. Jyothi T.V., Scientist (Soil Science) and Dr. Rudramuni T., Farm Manager, KVK, Chitradurga. Dr. Onkarappa delivered the inaugural speech on usage of fertilizers as per soil testing and also advised the farmers to apply organic manures. Dr. Jyothi T.V., Scientist (Soil Science) explained the participants about the importance of soil test based fertilizer application, balanced use of fertilizers, use of right source of fertilizers at right rate right at right time and at right place as per crop recommendations and importance of nano-fertilizers to achieve higher nutrient use efficiency. She opined that integrated nutrient management practices improve the soil fertility which results in higher productivity of agricultural and horticultural crops.



Dr. Prakash Kerure, Scientist (Horticulture), KVK, Chitradurga, explained briefly about the importance of celebrating yoga day, soil testing and bio fertilizers. A total of 37 farmers and farm women were participated in the programme.

8th International Yoga day celebration



International yoga day was celebrated by ICAR-Krishi Vigyan Kendra Chitradurga in collaboration with Zonal Agricultural and Horticultural Research station and College of Horticulture, Hiriyur, KSNUAHS on 21-6-2022 at Babbur farm campus. All the staff and students were participated in the by doing yoga. 52 participants were present in the programme.

Event report of Tri monthly Workshop

District level Tri monthly workshop was organized at KVK, Chitradurga on 16-06-2022. Around 66 officials of the Department of Horticulture from Chitradurga and Davanagere district were participated in the workshop. KVK Scientists have participated as the resource persons for the workshop.



ICAR-KVK, DAKSHINA KANNADA
Demonstration of Flood Resistant Red Rice Variety Sahyadri Panchamukhi for Lowlands and Sahyadri Kempumukthi for Midlands of Dakshina Kannada

In Dakshina Kannada, paddy is a major staple food crop mainly grown during kharif in medium and low laying fields. In the district more priority has been paid towards cultivation of low yielding varieties of paddy such as kaje jaya, Uma, MO4, Jaya etc., but these varieties are tall with lodging problem, does not respond to fertilizer and provide lesser yields. Realizing this problem Dr. Naveen Kumar, B.T., Scientist (Agronomy), ICAR-Krishi Vigyan Kendra, Dakshina Kannada, organised capacity development programmes under FLD programme on Demonstration of flood resistant red rice variety - Sahyadri Panchamukhi for lowlands and Sahyadri Kempumukthi for midlands of Dakshina Kannada at Vogga village of Bantwal taluk, Mulki and Killenjaru villages of Mangaluru Taluk. Five quintals of truthful labelled seeds as critical input was provided to motivate the farmers for adoption of new variety under Front Line Demonstration benefiting 20 farmers. During this programme farmers were trained about improved production technologies of paddy.


ICAR-KVK, DAVANAGERE
Awareness programme on efficient balanced use of Fertilizer


The programme was organized at Alagawadi village, Mr. Mallikarjuna B.O., SMS (Agronomy) explained the need for Integrated Nutrient Management in field crops. Sri Sannagowdra H.M., SMS (Soil Science) explained the importance of efficient and

balanced use of fertilizers. Fertilizer loss due to unscientific application and time is the major problem that farmers are facing and very important for farmers to going for soil test based fertilizer application. Use of Nano-Fertilizers in agriculture can reduce the dependence on chemical fertilizers and this will address the problem of high cost of production and environmental issues. Mr. Chandrakumar, Assistant Director of Agriculture, Department of Agriculture expressed concern regarding huge fertilizer subsidy that the Nation is paying and each farmer has a role to address this issue. Mr. Raghuraja J., SMS (Agri. Extension) and Dr. Avinash T.G., SMS (Plant Protection) present on the occasion. 49 progressive farmer/farm women participated in the programme.

Implementation of Frontline Demonstration on Pop Corn + Redgram (TS-3R)



ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere in collaboration with Department of Agriculture, Santhebennur, Channagiri taluk conducted the frontline demonstration on Pop corn+ Redgram (TS-3R) for 25 farmers at Doddahabbigere, Channagiri taluk. Mr. Mallikarjuna B.O., SMS Agronomy conducted the method demonstration with bio fertilizers (Rhizobium and PSB @ 1kg each per acre of seeds). Critical inputs like redgram seeds and bio fertilizers were provided to 25 farmers. Mr. Sannagowdru, Soil Scientist participated in the training program as a resource scientist.

Off Campus training programme on Natural farming and Organic farming

ICAR- Taralabalu Krishi Vigyan Kendra, Davanagere , Mr. Mallikarjuna B.O., SMS(Agronomy) delivered lecture on the Natural Farming and Organic farming to the farmers participated in the lead farmers training program conducted at Hirekogalur in collaboration with Hirekogalur Taralabalu AFPO, Hirekogalur, Channagiri taluk . Made field visit to the Arecanut plots grown under natural farming.



Technical Seminar on terrace and kitchen garden



Terrace garden is an art by growing organic vegetables and consuming it fresh, provides self-satisfaction said Mr. Ravindra B. Mallapura, managing director Smart city Pvt. Ltd. Davanagere inaugurated the technical seminar on Terrace and Kitchen garden at ICAR-Taralabalu KVK. Mr. Basavanagowda M. G. Horticulture Scientist, gave information on methods of terrace and kitchen garden in Davanagere more than 3,500 families have been trained on this and 35% of the families still accepting it by practicing gardening, it not only helps in getting clean environment but also helps in obtaining fresh vegetables with rich nutrients for our daily diet. One should involve whole family members in practicing the garden so that it will be educative for children in the family. Dr. Devaraja T. N. Senior Scientist and Head in his presidential remarks, now a days' it is important to keep health in good condition. One has to adopt healthy eating diet he said. More than 150 participants from Davanagere city were attended in the programme.

ICAR-KVK, DHARWAD**Zonal Workshop of KVKs on Strengthening IFS through Appropriate Technologies along with Organic and Natural Farming Practices**

Honorable Minister of State Agriculture and Farmers Welfare Sushri. Shobha Karandlaje on 19th June 2022 inaugurating the Krishi Vigyan Kendras Zonal Workshop - 2022, on Strengthening IFS through Appropriate Technologies along with Organic and Natural Farming Practices organized from 19th to 22nd June 2022 at University of Agricultural Sciences, Dharwad said that value addition to agricultural products and reducing pesticidal residues in food products is the need of the hour. Agricultural Universities and KVKs should guide the farmers so that they can make use of the technologies available and double their income. She interacted with FPO's and assured them to take up necessary actions for the problems faced by them. Honorable Minister for Agriculture Shri. B. C. Patil advised the students that Agricultural graduates should



become job providers instead of job seekers. Deputy Director General (Agricultural Extension), ICAR, New Delhi Dr. A. K. Singh in his online address said that the workshop is planned to strengthen the Integrated Farming System through organic and natural farming to come out with the strategies to increase farmers income. Director General, DARE, New Delhi, Dr. T. Mohapatra, in his online keynote address said that diversification is necessary in agriculture to overcome problems due to climate change. KVK eBazaar App, Kissan Samruddhi brand for marketing KVK products and mobile app of Krishi Community Radio Station of University of Agricultural Sciences, Dharwad were released. Shri Padre progressive farmer and farm journalist received Kissan Samruddhi Award and Smt.Sushama P.T. Entrepreneur Mallapuram received Best Women Entrepreneur Award 2022 by ICAR ATARI, Shri Shankar Patil Munenakoppa, Minister of Textiles & Sugarcane, GoK, Shri. S.V. Sankanur, MLC, GoK, were grace the occasion. Shri. Shashimouli Kulakarni, Shri. Mallesh P., Shri, L. S. Ajagannavar, Members, Board of Management, UAS, Dharwad, Directors of Extension from all Agricultural Universities and Heads of all KVKs from South India were present. Honorable Vice-chancellor, UAS, Dharwad Dr. M. B. Chetti welcomed the guests and Dr. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru proposed the vote of thanks. Dr. I.S. Katageri, Director of Extension, UAS, Dharwad was the convener of this function.

Participants visited different farming system models adopted by farmers in Uttara Kannada district of Karnataka, Natural farming models followed by farmers, FPO Kadamba Cooperative Limited, Sirsi, KVK Uttara Kannada and College of Forestry, Sirsi on 20.06.2022. On the third day, International Yoga Day was organized and participants interacted with Dr. G. R. Chintal, Chairman, NABARD. They visited KVK, Kolhapur-II (Kaneri), Natural farming practices: one acre one lakh rupees demonstration model (Lakpathi Kheti) and demonstration unit on indigenous cattle and cow based value added products.

Visit to ICAR-IIPR RRS, Dharwad and lecture on Production technologies for crop rotation in IFS was arranged. Dr. Ashok Narula, Former Director, ICAR-ATARI, Ludhiana delivered a lecture on Strengthening of KVK System based on QRT Recommendations and Dr. S. Prabhukumar, Former Director, ICAR-ATARI, Ludhiana delivered a lecture on Documentation of success stories, case studies and data analysis.

The His Holiness Pujyashri Adrishya Kadasiddeshwar Swamiji, Shri Kshetra Siddhagiri Mahasansthan, Kaneri, Kolhapur gracing the valedictory function on 22.06.2022 said that cultivable soil of our country has deteriorated due to the use of unscientific chemicals and fertilizers. Hence, increasing soil fertility is very important. Swamiji exhibited products produced by the farmers and sold under the brand name Siddhagiri Naturals. He expressed that similar kind of activity can be taken up by all KVKs to help the farmers sell their value added products. ADG(AE), ICAR, New Delhi, Dr. Randhir Singh Poswal in his valedictory remarks said that, the farmers income can be increased by reducing input cost, increasing production and productivity. Honorable Vice-chancellor, UAS, Dharwad Dr. M. B. Chetti in his presidential remarks said that agriculture can be made profitable when farmers involve themselves in farming. Directors of Extension from all Agricultural Universities and Heads of all KVKs from South India were present. Director, ICAR-ATARI, Bengaluru, Dr. Venkatasubramanian welcomed the guests and Director of Extension, UAS, Dharwad Dr. I. S. Katageri proposed the vote of thanks.

Diagnostic visit to Groundnut and Blackgram fields of Somapur village

A diagnostic field visit was made to Somapur village of Dharwad taluka on 29.06.2022 and noticed 25 days old groundnut crop of variety GPBD-4 infested with collar rot disease (seed borne) which was caused by *Aspergillus niger* and *A. pulverulentum*. The infected plants show crown rot symptoms. Large lesions have developed on the stem below the soil and spread upwards along the branches causing drooping of leaves and wilting of plant. Smt. Kalavathi K. Kambali, Scientist (Plant Protection), ICAR-KVK, Dharwad and Dr.

Prasanna Kumar B.H., Scientist (Agronomy), ICAR-KVK, Dharwad recommended the farmer to remove and destroy previous season's infested crop debris in the field, soil application of *Trichoderma viride*/*T. harzianum* at 2.5 kg/ha, preferably with organic amendments such as castor cake or neem cake or mustard cake @ 500 kg/ha can manage the disease effectively.



On the same day another field was diagnosed with incidence of Bihar hairy caterpillar in blackgram crop at Somapur village of Dharwad taluka. Farmers were suggested to take up the spray of Lambda cyhalothrin 5 EC @ 0.5 ml/l. or Spinosad 45 SC @ 0.1 ml/l.





ICAR-KVK, ERNAKULAM

Farmers' Awareness Campaign on Efficient and Balanced Use of Fertilizers (including Nano-Fertilizers)

Fertilizer awareness campaign of KVK Ernakulam was conducted on 21st June in association with ATMA Ernakulam and IFFCO at Kunukara Public Library Hall. Conducted two lectures as part of this programme on "Efficient and balanced use of fertilizers" by ICAR-KVK Ernakulam Subject Matter Specialist and "Use of Nano fertilizers" by Marketing manager of IFFCO, Ernakulam region. Display and sale of nano fertilizers were also arranged during the programme. 95 people attended the programme.



International Yoga Day



International Yoga Day was organized at KVK on 21st June 2022. Isha foundation volunteer Shri. Rohit, Piravom delivered the talk on the importance of Yoga. Live demonstration of Upayoga and Nadishudhi was done for the participants. KVK staff participated in the event.

ICAR-KVK, GADAG

Awareness on Balanced use of Fertilizers :

Looking into the importance of balance use of fertilizers, KVK, Gadag organized awareness programme on balanced use of fertilizers for the farmers and farm women. Use of organic manures, green manures, organic inputs and bio-fertilizers, soil test based nutrient application and use of nano urea for various crops of the district were covered during the awareness programme



Buyers-Sellers Meet on Cashewnut

Cashew Growers and Raw Cashewnut Buyers Meet was organized by KVK, Gadag on 22-06-2022 and 25-06-2022. Buyers from Cashew Processing Industries, Belagavi and Chikkodi participated in the meeting. Quality parameters such as moisture content in nuts and cashew counts were assessed by the buyers to fix the price. More than 30 tons of raw cashewnut is available for sale with farmers.





Awareness on Region Specific Agro-Forestry

To reduce the risk of climatic vulnerability in cultivation of field crops, ICAR-KVK, Gadag organized awareness programmes on region specific agro-forestry systems in red soil and black soil of dryland area for farmers and farm women.



International Yoga Day

International Yoga Day was celebrated at KVK premises for the farmers and farm women. Dr. Satish Hombali, Yoga Expert and Chief Medical Officer of K.H.Patil Naturopathy and Yogic Sciences Institute, Hulkoti inaugurated the event and spoke on importance of yoga in daily life. After inauguration of the programme, yogic exercises were taught for the participating farmers and farm women



ICAR-KVK, HAVERI

Sushri Shobha Karandlaje, Honourable Minister of State Agriculture & Farmers Welfare, visited to KVK, Haveri millets exhibition

KVKs Zonal Workshop 2022 jointly organized by University of Agricultural Sciences, Dharwad and ICAR-Agricultural Technology Application Research Institute, Bengaluru from 19 -22 June, 2022 at University of Agricultural Sciences, Dharwad for strengthening IFS through appropriate technologies along with organic and natural farming practices. Sushri Shobha Karandlaje, Honourable Minister of State Agriculture & Farmers Welfare, Government of India, New Delhi visited to KVK, Haveri millet exhibition. Dr. Ashoka P, Senior Scientist & Head explained about Climate change has deleterious effect on both human welfare and agriculture production. Millets are smart foods of the 21st century because they are “good for human being, the farmer and the planet.” They are the last crops standing during droughts. Recently introduced millets fetch higher market value (than even major cereals) and hence help in uplifting the socioeconomic status of the marginal farmers under dryland conditions. Sushri Shobha Karandlaje Honourable Minister of State Agriculture & Farmers Welfare happy with exhibits millets in the exhibition and suggested to work on international year of millets-2023.



Farming by Nature in Haveri

In Haveri district, the natural farming practice of a farmer is witnessed by KVK, Haveri, Hanumanamatti. The team of scientist along with Senior Scientist and Head visited his farm and took the stock of the situation. As humans need clothes, the vegetative cover on earth is required to protect the surface. In this way Shankaragoud of Mudenur in Ranebennur taluk of Haveri district has described their natural farming practices. If soil erosion occurs by water, than soil fertility declines. If it happens, millions of biomass will go down and biodegrade. Natural farming is the type of ploughing naturally. The farmer has no ploughing implements, no tractor companions. However, his agricultural production is good and excellent.



ICAR-KVK, IDUKKI

Release of "Kisan Samridhhi Brand in KVK's Zonal Workshop 2022



Release of "Kisan Samridhhi" brand of ATARI Zone XI, Bengaluru was done in Zonal workshop of KVK's 2022 held at University of Agricultural Sciences, Dharwad. Krishi Vigyan Kendra, Idukki from 1995 works for the farming community of Idukki district. Idukki district is the spice bowl of Kerala, mainly Small cardamom, Black pepper, Nutmeg, Cloves, Cinnamon and alike. Since past 25 years Krishi Vigyan Kendra, Idukki mainly focus on the upliftment of Spice farmers with latest innovative technologies. Krishi Vigyan Kendra, Idukki has initiated the registration and received the trademarking for the brand named "Kisan Samridhhi" in 5 classes in the name of The Director, ATARI, Zone XI, Bengaluru. The logo was designed as per the norms and condition by KVK Idukki. Sushri Shobha Karandlaje, Honorable Minister of State Agriculture and farmer's welfare, Government of India, New Delhi released the logo of Kisan Samridhhi during the Annual Zonal workshop of KVK's held at UAS, Dharwad on 19.06.2022. A Kisan Samridhhi Spice box developed by Krishi Vigyan Kendra, Idukki comprising different spices from Idukki district was also released during the event.

ICAR-KVK, KALABURGI-II**Capacity building programme on Integrated Management of Pigeonpea new variety GRG-152 (Bheema)**

ICAR-KVK, Kalaburagi-II (Raddewadgi) organized capacity building programme on Integrated Management crop management of Pigeonpea new variety GRG-152 (Bheema) for farmers of Sydapur village Yadami Taluk on 28.06.2022. Dr. Basavaraj, Scientist (Agril. Entomology) gave a lecture on improved cultivation aspects in Pigeonpea crop via., Sowing, Pigeonpea variety GRG-152, inter cultivation, weed management, irrigation schedule, Fertilizer management, Fertigation, Fertigation schedule, and integrated pest and disease management to reach maximum production and productivity. Again Smt. Shruthi, N, Prog. Asst (Lab Technician) given information about the soil sampling and role of soil nutrients in improving the in the productivity of soils and how to draw the soil and water samples from the farmers fields. About 45 participants were witnessed the programme.

**ICAR-KVK, KANNUR****Fertilizers Awareness Campaign on efficient and balanced use of fertilizers****Capacity building programme on Integrated Management of Greengram and Blackgram**

Off campus capacity development program on Integrated Management of Greengram and Blackgram crops at Yadga village Sedam Taluk on 30.06.2022 organized by ICAR-KVK, Kalaburagi-II (Raddewadgi) in association with RSK, Sedam. During this event Dr. Basavaraj, Scientist (Agril. Entomology) given information on improved production technologies viz., sowing, seed treatment, weed management, inter-cultivation, use of pulse magic and integrated insect pests and diseases on both the crops. Again scientist interacted with farmers about the complete management of wilt and SMD disease in pigeonpea. About 48 participants were witnessed the programme.



In association with Department of Agriculture and Mayyil Rice producers company an awareness campaign on efficient and balanced use of fertilizers was conducted at CTC Hall, Mayyil gramapanchayath on 21st June 2022. Shri.T.K Balakrishnan Managing director, Mayyil Rice Producers Company gave the welcome speech and the programme was inaugurated by Smt. Rishna K.K, President Mayyil gramapanchayath. The programme was presided by K.K Ramachandran, Chairman, Mayyil Rice Producers company. Smt. Renisha J.M, Assistant Professor (Horticulture) handled a session on importance of nutrients in plants and ways to increase fertilizers efficiency. Dr. Jayaraj P, Programme Co-ordinator, KVK Kannur moderated the face to face interaction with farmers was conducted. 80 participants attended the programme.

ICAR-KVK, KODAGU

Frontline demonstration on Integrated Disease Management in Ginger



Ginger is an important cash crop of Kodagu District and the crop is affected by various diseases like rhizome rot, leaf spot causing huge loss for the farmers. Keeping this in view ICAR-KVK, Kodagu implemented the FLD on Integrated Disease Management in Ginger at Chikkaluvara village of Kushalanagara Taluk. Veerendra Kumar K.V, SMS (Plant Protection) demonstrated the technology package with spraying of *Pseudomonas fluorescens* 5 ml/l during, drenching of Arka Microbial Consortium 20 gm per lit, Soil application of FYM enriched with *Trichoderma* and spot Drenching of Metalaxyl + Mancozeb 2 gm/l in 10 farmers field. This Integrated demonstration of proven technology will educate and create awareness among farmers to manage disease problems faced by the ginger farmers of the district.

Method demonstration on Scientific Bordeaux mixture preparation



Method demonstration on Scientific Bordeaux mixture preparation was conducted at V.Badaga village of Virajpet Taluk. Mr.Veerendra Kumar. K.V, SMS (Plant Protection) explained in detailed about Scientific Bordeaux mixture preparation, History of Bordeaux mixture, uses, precautions to be taken while preparation, Different pH testing methods, compatibility study, Chemical reaction of Bordeaux mixture and preparation of 10% Bordeaux paste and their effect on diseases management in Horticultural crops. A total of 41 farmers and farmwoman attended the programme.

Integrated farming system (IFS) programme conducted in the district

ICAR-KVK, Gonikoppal has implemented Integrated farming system (IFS) programme in the district on 30th June for the year 2022-23. Under this IFS programme 5 farmers from all 5 taluks were selected & they were provided with critical inputs like fish fingerlings, Giriraja birds, Veterinary medicines, mushroom spawn. So as to add to their existing regularly practicing IFS model & KVK strengthened their model with these critical inputs, along with regular training & demonstrations.



Farmers Field School (FFS) on ICM in Paddy

Farmers Field School (FFS) on ICM in Paddy was conducted at Ayursuli village on 13.06. 2022. Orientation about FFS given by Dr. Saju George, Head, KVK-Gonikoppal. Mr. Prabhakar, SMS (Horticulture) spoke on importance of soil test and its recommendation to paddy field based on soil test values. Also highlighted the importance of green manure crop in paddy for maintaining soil health and productivity. Dr. Harish spoke on the importance of seed treatment in paddy. Also highlighted the seed borne diseases in paddy and their prevention by means of seed treatment. The organic way of cultivation of paddy was emphasised by reducing cost of cultivation. The



procurement of quality seed followed by separation of chaffy by salt treatment then pre-soaking to induce germination followed by treatment with suitable chemical to prevent blast disease was clearly explained. Twenty five farmers attended the FFS.

ICAR-KVK, KOLAR

Diagnostic field visit to tomato, jamun fields & rose garden.



ICAR-KVK, Kolar Scientists (SS&AC and Plant Protection) visited various tomato fields of Thoranakambadahallu, Shettihalli, Vemagal hobali, Hosadinnehalli, Narasapur hobli on 17.06.2022 and suggested bacterial wilt and bacterial canker management in tomato. Further suggested good management practices in jamun and rose fields of Doddashivara, Malur Taluk, and Shettihalli, Vemgal Hobli in a joint visit with ATMA, KSDA, Kolar.

Farmers awareness campaign on "Efficient and Balanced use of Fertilizers"



Organized farmer's awareness campaign on "Efficient and Balanced use of Fertilizers" in collaboration with ATMA, Department of Agriculture, Kolar on 21.06.2022. Mrs. Pankaja, Deputy Director of Agriculture, Kolar in her inaugural speech briefed about the importance of maintaining the records of the fertilizers. Scientists delivered lecture on importance of organic fertilizers, judicious use of fertilizers and balanced use of fertilizers, drip fertigation and role of fertilizers including nano-fertilizers in supply of plant essential nutrients. A total of 80 farmers got benefitted from the programme.

capacity development programme on "Productive bivoltine silkworm hybrids for cocoon productivity and crop stability"

ICAR- KVK, Kolar, Department of Sericulture, Kolar and REC Madivala jointly organized on campus capacity development programme for sericulture farmers on "Productive bivoltine silkworm hybrids for cocoon productivity and crop stability" on 24.06.2022. Shri. Kalappa T. M., Deputy Director, Sericulture Department inaugurated the programme. Dr. Vinoda K.S., Scientist (Sericulture), KVK Chinamani and Dr. Narendrakumar J.B. Scientist, REC Madivala participated as resource persons. The above said programme coordinated by Scientist (Sericulture) and Scientist (Horticulture) KVK, Kolar. Around 50 farmers and 10 Department officials participated and benefitted from the programme.



Trimonthly workshop



ICAR- KVK, Kolar has organized trimonthly workshop for Department of Horticulture officers of Kolar, Chikkabalapur and Ramanagara districts on 28.06.2022. Technical sessions like essential practices to be followed in mango and pomegranate after harvest, black thrips management strategies in horticultural crops, integrated pest and disease management strategies in tomato, stem bleeding and black headed caterpillar management aspects in coconut, guava production technology, advanced production technology of rose, pruning techniques in grapes were presented and discussed in detail by the scientists(Horticulture), Scientist(Plant Protection) and Senior Scientist and Head, and also teachers from College of Horticulture, Kolar. A total of 75 officers including Deputy Director, SADHs, ADHs and AHOs have participated in the programme.

ICAR-KVK, KOLLAM

Hon'ble Prime Minister's interaction with beneficiaries of schemes/programmes



The nation is celebrating the Azadi Ka Amrit Mahotsav to commemorate the Indian Independence. As a part of this momentous occasion, Hon'ble Prime Minister interacted with the beneficiaries of about sixteen schemes of the Government of India. All these schemes address the poorest segments of population; therefore, the event was aptly named as "Garib Kalyan Sammelan".

The principal objective of the interaction is not only to understand how these schemes have brought about ease of living for the citizens, but also to explore possibility of convergence and saturation.

Kollam KVK conducted a training program and live telecast of the Prime Minister's interaction at Kottarakkara Karikkom Green Valley Auditorium from 9.30 am. The event was presided over by Vettikkavala Gram Panchayat President Mr. Adv. D Sajaya Kumar, Former Union Minister O. Rajagopal was the special guest. Dr.Saroj Kumar.S, SMS (Hort), KVK Kollam lead a session on "Safe Vegetable Cultivation practice". At the district level, the event merged with the national level event at 11.00 am. Over 500 beneficiaries participated in the programme and a bio-kit was distributed to the participants for safe vegetable cultivation.

ICAR-KVK, KOPPAL

Vanmahatosava programme as a part of Green graduation

On 18.06.2022 ICAR-Krishi Vigyan Kendra, Koppal organized Vanmahatosava programme at the campus for agriculture students in the campus as a part of green graduation. The programme was inaugurated by Gangavathi taluk Member of Legislative Assembly Sri. Pranna Munavalli and planted avenue trees in the campus. He encouraged students to plant more number of trees to get good environmental condition around



ICAR-KVK, KOZHIKODE

Sweet potato varieties introduced in Kozhikode by KVK and CTCRI



Collaborative training by KVK, Peruvannamuzhi and CTCRI, Trivandrum on sweet potato cultivation was

ICAR-KVK, MALAPPURAM

Hon. MLA of Ponani Sri. Nandakumar inaugurated the fallow land cultivation of Akshaya at Ponani Municipality under the campaign to attract masses to farming .

Awareness programme on effective and balance used of fertilizer



On 21.06.2022 ICAR-Krishi Vigyan Kendra, Koppal organized Awareness programme on effective and balance used of fertilizer at KVK in collaboration with department of agriculture and IFFCO Co., Koppal. The programme was inaugurated to Hon'ble Board Member of Raichur Agriculture University Sri. G. Sreedhar and he expressed problems due to improper use of fertilizer. KVK Incharge Senior Scientist & Head Dr. Kavitha Ullikashi in her preamble told about the disadvantage on environment and farmers health due to more use of in organic fertilizers. Field officer of IFFCO explained about the futures and uses of nano urea in different crops.

inaugurated by Dr Manoj P. Samuel, Director, CWRDM, Kozhikode. The programme was presided by Dr CK Thankamani, Director, IISR, Calicut. Expert classes on Agro techniques, value addition of sweet potato were carried by Dr G. Byju, Dr D. Jaganathan from CTCRI, Trivandrum. The participant farmers were issued with planting materials of different sweet potato, Tapioca varieties and micronutrient mixture to start immediate planting of these tubers. Dr P. Ratha krishnan, KVK welcomed the participants and conducted Agriculture Energy Conservation programme and Dr K.M. Prakash, KVK delivered vote of thanks and class on Intercropping in Coconut plantation.

Akshaya Rice Variety in Njungalum Kriyilekk campaign at Ponani



Best woman entrepreneur award to Smt. Sushama



Smt. Sushama P.T. an innovative farm women from Tanalur village in Malappuram District received the **Best Woman entrepreneur Award** at the Zonal workshop of KVKs held at Dharward from 19th to 22nd June 2022. The prestigious award included under the Kisan Samruddhi Award 2022 of ATARI Bengaluru, consisting of an attractive memento, certificate and a citation was handed over by Sushri Shobha Karandlaje, Hon. Minister of states, Ministry of Agriculture, Govt. of India during the inaugural session of the Zonal Workshop. Smt Sushama is familiar to the farming community of the state on account of her innovative and best profitable models of coconut based organic certified integrated farming system, with value addition of various agricultural products derived from the homestead and well established marketing network under the brand name "Sushas food products".

Capacity Building of Watershed Development Committee

A training designed to build the capacity of watershed committee members and farmers of Sreekrishnapuram Panchayath was conducted at the KVK on 21.6.22. Sri. Abdul Jabbar P. K, Dr. Najitha ummer and Dr.Lilia Baby conducted sessions on watershed agricultural planning, plant protection strategies and value addition for livelihood promotion respectively.



ATMA SCP SC Training on processing and value addition

The KVK Malappuram organized four days capacity development programme on "Processing and Value addition of Fruits and Vegetables" for SC farmers of Trithala block in Palakkad District, in collaboration with ATMA and Department of agriculture from 14.06.2022 to 17.06.2022. Different sessions included scope for entrepreneurship development in agriculture sector (Abdul Jabbar P.K.), cultivation and pest management of vegetable crops (Dr. Prasanth K.& Dr. Najitha Ummer), processing of fruits and vegetables (Dr. Lilia Baby), machineries suitable for processing (Dr. Rajesh G.K) and exposure visit to processing department of KCAET, Tavanur. Hands on training sessions on value added products form agriculture produce were also conducted.



Relief garden initiated at Children's Home

Networking various stakeholders, KVK Malappuram conducted a relief garden campaign at Govt children's home, Thavanur as part of the world environment day celebrations. OISCA International, a major NGO having consultative status with UN ECOSOC was the major partner of the program in addition to Social Welfare department official Sri. Alby. Hon. District Judge of Malappuram inaugurated the program. Sri. Abdul Jabbar PK conducted a special session on horticulture therapy and relief gardening. Various strategies to promote responsible production and sustainable consumption in homesteads were discussed. As a step to enhance the nutritional security of the inmates, bio fortified sweet potato varieties, Bhoosona and Bhookrishna were distributed.





ICAR-KVK, MANDYA

Awareness Campaign on 'Efficient and Balanced Use of Fertilizers

An awareness programme on 'Efficient and Balanced Use of Fertilizers (including Nano-Fertilizers) was organized by ICAR-Krishi Vigan Kendra, V.C.Farm Mandya at Biliguli, Mandya taluk on dated: 21.06.2022. The programme was inaugurated by the farmer leaders Sri. Mahadevappa and Sri. Mahadevu. During the programme Sr.Scientist and Head, Dr. Kamalabai Koodagi enlightened the farmers about importance of soil testing in balanced nutrient supply to plants and how to judiciously use the fertilizers, thereby the cost of cultivation can be reduced and sustainability in agriculture can be attained. Dr. Roopashree,D.H, Scientist (Agronomy) highlighted on the aspects of different types of fertilizers available in the market including the nano-fertilizers, their role in plant growth and best combinations to be used along with drip fertigation. Dr. Pavithra, Scientist (Plant Protection) provided information on use of bio-fertilizers and bio-agents for enhancing the productivity and use of organic liquid fertilizers prepared in own farms and how best it help in



controlling the pest and disease incidence. Dr. Mahesh (Programme Assistant) briefed about the methodology of soil sampling and residue management in farm and use of soil health card by farmers which helps in judicious use of inorganic fertilizers. Dr. Prakash, Scientist (Sericulture) and Dr. Jayashankar, Scientist (Horticulture) were present during the programme.

ICAR-KVK, MYSURU

Training on EDP on Tamarind value addition

On 17th June 2022, ICAR JSS Krishi Vigyan Kendra, Suttur organised a training on Tamarind value addition under Entrepreneurship Development programme at cluster village Hulyalu, Hunsurtaluk. 30 women were participated in the programme. Mrs. NetravatiYattinamani, Scientist (Home Science) explained about the importance of tamarind and usage in daily diet. Also explained about the Tamarind value added products, packing and labelling of the products. During the programme, demonstrated the Tamarind lollypop and Tamrindchigali.



Training on Nutri garden establishment for Nutritional security of farm families



On 22nd June 2022, ICAR JSS KVK Suttur organized training programme on nutri garden establishment for nutritional security of the rural households under Nutri garden programme at Chikkakanya village of Mysuru taluk. 30 farmers/farmwomen were participated in the programme. Mrs. NetravatiYattinamani, Scientist (Home Science) explained that nutri garden establishment helps to consume fresh vegetables and helps to save the money to buy vegetables. She also explained about the details of vegetables which can be grown in Nutri garden. After the training, provided the seeds and planting materials to beneficiaries of the programme.

Training programme on Fodder and Beans at Hulyalu, Hunsur Taluk

The fodder variety CoFS-31 and yard long beans variety Arka Mangala training programme has been conducted at Hulyalu village of Hunsur taluk. During the programme Dr. U.M. Rakshithraj, Scientist (Animal Science) explained about the high milk yielding different fodder crop varieties for and its significance. Dr. G.M. Vinay explained about integrated crop and pest management of yard long bean IIHR variety Arka Mangala. The seeds were



distributed to the farmers during the training programme.



The Registrar, UAS Bengaluru visited to KVK

Dr. Basavegowda, Registrar, UAS, Bengaluru has been visited to our KVK. During his visit he discussed about the KVK activities and visited the demo units, agri clinic, seed production unit, Goshale and Integrated Horticulture Farming System. He expressed his happiness about the agri clinic and seed production activities carried out by the KVK.

ICAR-KVK, PALAKKAD

Capacity building programme on backyard poultry rearing

A capacity building programme on backyard poultry rearing was conducted at Pattanchery Panchayath of Palakkad district on 23.06.2022 by KVK Palakkad in collaboration with Nandhiyod milk cooperative society. Dr. Smijisha A. S Assistant Professor (Animal Husbandry) led the session. The class focused on scientific rearing of backyard poultry and production of BSF larvae as an alternative feed to poultry that can improve the quality and quantity of protein intake at a lower cost of production. Around sixty participants attended the program.



Multi-disciplinary diagnostic field visit to army worm affected areas



A severe infestation of army worm was reported from Erimayur panchayath of Palakkad district in the daincha crop raised by farmers in paddy fallows. A multidisciplinary diagnostic team was constituted for field visit including scientists from Krishi Vigyan Kendra Palakkad, Regional Agricultural station Pattambi and officials from the Department of agricultural development and farmers welfare. The team visited the area and gave necessary recommendations. Apart from devastating the standing daincha crop, the pest (*Spodoptera litura*) was becoming a menace to the nearby houses as well. Farmers were advised to cut down the stubbles and apply pesticide for the management of pest in the field. Bait traps were installed in the nearby houses to manage the pest in the premises of houses.

ICAR-KVK, PATHANAMTHITTA**International Yoga Day 2022 and Farmer's awareness programme on efficient and balanced use of Fertilizers**

KVK Pathanamthitta celebrated International Yoga day as part of National Campaign under Azadi Ka Amrit Mahotsav to mark the importance of Yoga in day to day life on 21st June 2022 at Sarasakavi Mooloor Smaraka, Elavumthitta and at KVK . The programme was inaugurated by Mr. K. C Rajagopalan, Ex. MLA and was presided over by Chairman, F 4 Fresh Farmer Producer Company Ltd, Elavumthitta, Mr. V. Vinod,. On the occasion the Keynote address on the Theme " Yoga for Humanity" was delivered by Smt. Ackkamma Johnson, NYF Yoga Practitioner. She also demonstrated various yoga asanas to educate people about Yoga's importance and the pivotal role it plays in leading towards a healthier lifestyle by rejuvenating our mind and body.

As part of the programme a training on the topic "Balanced use of fertilisers" was also conducted. The class was lead by Mr. Vinod Mathew, Subject Matter Specialist (Agronomy), KVK Pathanamthitta. In collaboration with IFFCO Ltd. an exhibition on nano fertilisers was also arranged to create awareness on the importance of Nano Fertilisers in today's scenario.

**ICAR-KVK, RAMANAGARA****Awareness Campaign on efficient and balanced use of Fertilizer (Including Nano Fertilizer), Region Specific Agro-Forestry and Celebration of International Yoga Day**

On the occasion of 75th years of Independence of Amruthmahotsava, ICAR-KVK,Ramanagara organized an awareness campaign on efficient and balanced use of fertilizer, region specific agro-

forestry and celebration of International Yoga Day at KVK campus. Dr. Lata R Kulkarni, Scientist (Home Science) inaugurated the programme and addressed the gathering on importance of Yoga day, soil health and facilities available at KVK for soil and water testing. Mrs. Preethu, Scientist (Soil Science) briefed about Balanced use of fertilizer, and soil in agriculture, recycling of farm waste into manure, role of fertilizers, different fertilizers , importance of INM, soil health card, fertigation and importance of Nano fertilizer. Dr. Dinesha, Scientist(Agronomy) highlighted the importance of agroforestry, suitable agroforestry system to our zone and soil & water conservation management practices. Mrs Rajalakshmi, yoga counselor, Art of Living, Bangalore highlighted the importance of yoga and demonstrated different forms of yoga that can help to stay physically strong and mentally balanced, On this occasion all KVK staff and more than 30 farmers participated in the event.

ICAR-KVK, SHIVAMOGGA

International Yoga Day, Balanced use of fertilizer and Agroforestry

In the series of events under "Azadi Ka Amrit Mahotsava". ICAR - Krishi Vigyan Kendra, Shivamogga organized International Yoga day on 21-06-2022 and conducted awareness programme on "Balanced use of Fertilizers and Region Specific Agroforestry". During the programme Dr. Jyoti.M.Rathod, Scientist (Home Science), KVK, Shivamogga briefed about International Yoga Day and its celebration on every year June 21st across the World, to create awareness among the people about the indispensable benefits of Yoga and its impact on lives of the people. Dr. Arunkumar, B. R. Scientist (Soil Science) delivered the lecture on various aspects of balanced fertilizer application with the objectives of educating farmers on use of nano fertilizers.. Dr. Arunkumar, P. Scientist (Agril. Extension) delivered the lecture on various aspects of benefits of agroforestry, types and crops of agroforestry, agroforestry in India, farmers, farm women and rural youth were taken to KVK soil test laboratory and also visited KVK INM demonstration plots and also given on skill oriented demo on soil



sample collection. In this programme all KVK staffs, IAT Shivamogga members were attended and totally 30 participants get benefited.

ICAR-KVK, THRISSUR

Institute and district level campaign - "Balanced use of fertilizer and Agroforestry"



ICAR- Krishi Vigyan Kendra, Thrissur as part of Azadi ka Amruth Mahotsav celebrations conducted institute and district level campaign on 21st June, 2022 to promote the importance of Yoga in our day to day life and also on Balanced Use of Fertilizers (including Nano-Fertilizers) in agriculture. The campaigns were inaugurated by Smt. Pushpa Chandran, Standing Committee Chairperson, Madakkathara Grama Panchayath . In the welcome address Dr. Aneena E.R, Associate Professor, Krishi Vigyan Kendra, Thrissur who is also a Yoga master trainer stressed on the role of Yoga in managing the physical and mental challenges of everyday life. As part of the campaign stressing the balanced use of fertilizers KVK, Thrissur hosted the lecture of Dr. Smitha John, Assistant Professor, Department of Soil Science & Agricultural Chemistry, College of Agriculture, Vellanikkara. A group of 50 farmers attended the lecture. IFFCO organized an exhibition of their products for the benefit of farmers, on the occasion.

ICAR-KVK, TRIVANDRUM**“Drip Drops” An Innovative Startup Model**

Vocational trainings by Agriculture Skill Council of India through KVKs have paved way for many unemployed youths to venture into vocations of their own and gain a handsome income. Twenty rural youths were trained for 200 hours on micro irrigation activities by KVK in the year 2021- 2022 under ASCI. Practical skill oriented development training on survey, design and installation of drip irrigation, sprinkler irrigation and mist irrigation systems was imparted to them. The technicians were involved in the implementation of different micro-irrigation schemes coordinated by KVK. The technicians help farmers for the installation of automatic drip irrigation system, sprinkler irrigation system, rain hose spray irrigation system, mist irrigation systems etc as per their specific requirements. The technicians completed 111 works during the year 2021-2022.



him urge to start the company of his own. During the programme, NSQF level 4 certificates for Micro Irrigation Technicians were also issued to those successful trainees by Director ATARI. The success formula in initiating a start up in agriculture and allied sectors was well explained by our Director through different anecdotes. He wished all the best for the prosperous future of these successful technicians.



Sri. Sabari M.P., a personnel trained in the field of micro irrigation by KVK has formed a start up “Drip Drops”. Dr. V.Venkatasubramanian, Director-ATARI, Zone XI, Bengaluru was kind enough to bless the official launching of his startup company by electronically unveiling the emblem during the Ex- trainees Sammelan held on 25th May 2022 at ICAR -KVK, Mitraniketan, Vellanad, Thiruvananthapuram. Sri. Sabari shared the knowledge he had acquired during the training and testified that the technical support and experience gained in practical sessions had induced and given



ICAR-KVK, TUMKUR-1

Two days Entrepreneurship Development & Capacity Building Programme on "Production, Processing, Value addition of Coconut & Minor Millets for under privileged farm women"

ICAR KVK Tumkur 1 has been organised 2 days training programme for farm women on Production, Processing, Value addition of Coconut & Minor Millets for under privileged farm women" in association with Skill Development Centre from 07th to 08th June 2022. Smt. Jyothi, Gram Panchayat member, Bidaregudi inaugurated Training programme by nourishing plants through watering and emphasize the need of training programme to the farm women on Value addition in millets. Dr. Umashankar and Dr. Vinay Kumar, R participated as guest of honour. Dr. V. Govinda Gowda, Senior Scientist and Head, KVK, Tptur presided the inaugural ceremony The Resource persons from KVK staff, successful entrepreneur from Tumkur district trained the farm women on Govt. schemes for



entrepreneurship, importance of cultivation of millets, production aspects to be followed in coconut and milles, Demonstrations of different value added products. Totally 30 Trainees were participated and received the certificates

Celebration of International Yoga day, Balanced Use of Fertilizers and Agro forestry



ICAR- KVK, Tumakuru-1 organized International Yoga day, focusing the theme of 2022 'Yoga for Humanity', awareness campaign on "Balanced Use of Fertilizers and Agro forestry" on 21st June 2022 at KVK, Konehalli, Tiptur. Dr. Nagappa Desai, Scientist (Horticulture) emphasized on importance of yoga helps in strengthening and stretching poses along with deep breathing techniques to relax your mind and body and also highlighted intentional combination of agriculture and forestry to create productive and sustainable land use practices. Mr. Kashi Vishwanath, Yoga counselor graced the occasion and practically demonstrated yogasana to participants and staff of KVK and briefed about practicing yoga is very rewarding and has the potential of turning your life upside down, both physically as well as spiritually. Further, Dr. Padmanabhan, SMS (Agronomy) DAMU and Mr. Shreedharmurthy were present during the programme. Mrs Arjuman Banu, Technical Officer, KVK, Tiptur gave the concluding remarks. 48 participants participated on this occasion.

ICAR-KVK, TUMKUR-II**Delegates visit TDC-NICRA village D.Nagenahalli**

The NICRA Phase-II Launching cum Annual Review 2021-22 & Action plan 2022-23 workshop under ICAR-ATARI, Zone-XI was organized in collaboration with CRIDA, Hyderabad during 13-14 June at ICAR-ATARI Bengaluru. After launching and inaugural session on 13.06.2022, the dignitaries and participants visited the TDC-NICRA village, D Nagenahalli, Koratagere taluk, Tumakuru district of Karnataka. Dr.Vinod Kumar Singh, Director, ICAR-CRIDA, Hyderabad, Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru. Dr. M Jayashree Krishankutty, DE, KAU, Kerala, Dr. K Narayana Gowda, DE KAU, Bengaluru, Dr. B. Hemla Naik, DE, Shivamogga, Dr. R H Laxman, Principal Scientist, ICAR-IIHR, Bengaluru, Dr. Kandiannan, Principal Scientist, ICAR- IISR, Calicut, Dr. G Byju, Principal Scientist, ICAR-CTCRI, Thriuvanthapuram, Dr. J V N S Prasad, Coordinator-NICRA TDC, ICAR-CRIDA, Hyderabad, Dr. Venkatesh, Principal Scientist, ICAR-CRIDA, Hyderabad Dr. D.V. Srinivasa Reddy, Principal Scientist and Nodal Officer of NICRA, ATARI, Bengaluru, and PIs and Co-PIs of NICRA project of 14 NICRA-KVKs of the Zone. Dr. N. Loganandhanan, Head, Mr. P.R. Ramesh, Scientist and Nodal Officer of NICRA, KVK, Hirehalli and Mr. J.M. Prashanth, Scientist, KVK, Hirehalli briefed about the interventions of resilient practices Viz., water harvesting structures, dryland horticulture systems, custom hiring centre, seed and fodder production systems adopted by the farmers of D.Nagenahalli village during on-field visit.

Capacity development programme on Nutri garden

Training programme on Nutri garden was conducted on 22nd June 2022 at Hosapalya village, Sira. This training programme was organized in collaboration with Swawalambi FPO, Bukkapattana, Sira. Mrs Radha R.Banakar, SMS-Home Science, explained about the role of fruits and vegetables in

daily diet to achieve nutrition security among farm family members. Mr Prashanth J.M, SMS-Horticulture, explained about the layout of nutri garden and uses of some medicinal plants in day today life and Mr Ramesh P.R SMS-Soil Science briefed about the use of organic micronutrients and foliar application in nutri gardens.

This training programme was attended by 25 farmers and farm women from Hosapalya village. Later basic data of selected farm families was collected and critical inputs (seed kit, some fruits and medicinal plants seedlings, micro nutrients, AMC...etc) were distributed to the selected farm women. This programme was co-ordinated by Mr.Tipperudrayya, Swavalambi FPO, Bukkapattana, Sira Taluk.



ICAR-KVK, UTTARA KANNADA

Visit of delegates to Progressive farmers fields



Delegates attending Zonal Workshop of KVKs of ATARI Zone-XI, visited fields of progressive farmers & KVK Uttara Kananda on 20.06.2022.

Firstly, delegates visited the Madhu Bee Nursery apiary unit established by Shri. Madhukeshwar Hegde a successful bee keeper at Taragod village, Sirsi and collected information on value addition of honey and commercialization of bee products. Then, visit was made to the scientific dairy unit and multistoried arecanut garden of Smt. Veda and Shri. Sitaram Hegde at Neernalli village of Sirsi Taluka. Delegates also visited to Kadamba Marketing Cooperative Society Ltd., Sirsi, which is involved in marketing of organic and value

added products and also export of spices not only in India but also to the foreign countries. All the delegates visited KVK Uttara Kannada and witnessed the activities.



The team included nearly 60 delegates including Dr. V. Venkatasubramanian, Director, ATARI, Zone-XI, Bengaluru, Dr. Narayan Gouda, Director of Extension, GKVK Bengaluru, Principal Scientists from ATARI Bengaluru Dr. B.T.Rayadu and Dr. K Thimmappa and Heads of all KVKs of Karnataka, Kerala and Lakshadweep.

Dr. R.B.Negalur, Sr. Scientist and Head and Staff, KVK Uttara Kannada, Sirsi have successfully organized the field visit.

Promotion of Organic Farming/Natural Farming through Trainings



To promote organic farming/natural farming KVK, Uttara Kannada organized 4 training programmes at Bisilakoppa village of Sirsi taluk, Mudasali Village of Mundagod Taluka, Balagar Village of Yellapur Taluka and at KVK Sirsi. Information on organic technologies related to cultivation and plant protection measures of paddy, sugarcane, black pepper, turmeric and arecanut were provided in detail during the trainings. Nearly 106 farmers/farm women were benefited. Dr. R.B. Negalur, Sr. Scientist & Head, Dr. Shivashenkaramurthy M., Scientist(Agronomy) and Dr. Roopa S Patil, Scientist(Plant Protection) of KVK, Uttara Kannada Sirsi organized these trainings.

ICAR-KVK, VIJAYAPURA-I

ICAR-Krishi Vigyan Kendra, Vijayapur and AICRP-DLA Scientists Dr.V.S.Devaranavadagi and Dr.Umarfarooque Momin visited a storage tank construction site of a progressive farmer Shri. H.B.Patil of Kumathe village, Bableshtar taluk, Vijayapur on 17.06.2022. The storage tank size was 120m x 80 mx 3m . The embankments of the storage tank were unequal. The scientist's made a survey using Dumpy level and cross staff and suggested the farmer to rectify the tank standard dimensions for good stability. Also addressed the farmer to adopt supplemental micro irrigation system in his field.

**ICAR-KVK, VIJAYAPURA-II****Efficient and balanced use of fertilizers.**

Campaign on Efficient and Balanced Use of Fertilizers (Including nano fertilizer) organized on 21.06.2022 in collaboration with IFFCO Vijayapura and Coromandel International Ltd. Vijayapura. All the dignitaries present on the dias inaugurated the programme by application of fertilizer and watering to sapling. Judicious use of fertilizer including nano-fertiliser using 4 R approach lecture delivered by Mr. Abdul Razak Chadachanakar, Marketing Officer, Coromandel International Ltd., Vijayapura. Drip Fertigation topic elaborated by Mr. Sunil, Agronomist, Coromandel International Ltd., Vijayapura. Role of fertiliser including Nano-fertilisers in supply of essential nutrients to plant lecture delivered by Mr. Shivakumar, Field Officer, IFFCO, Vijayapura. Role of soil testing in balanced use of fertilizers and



about soil health card scheme lectures delivered by Dr. Savita B. Scientist (Soil Science). Importance of organic fertiliser (compost, bio fertiliser) explained by Mr. Arjun R. Sulagitti, Scientist (Agriculture Entomology) and lecture on crop residue management delivered by Dr. Santosh Shinde, Scientist (Animal Science). On international yoga day explained about importance of yoga to farmers and celebrated the yoga day. A small exhibition on fertilizers including nano-fertilizers arranged at training hall. In this programme soil health card distributed to ten farmers. After the technical session by experts. The farmers were taken to soil testing laboratory of KVK Vijayapura-II (Indi) and explained about the facility available in lab for farmers by Dr. Savita B, Scientist (Soil Science). In this programme around 50 farmers benefitted



Dr. D. Kolekar, Nodal officer, ATARI, Bengaluru visited ICAR-KVK, Vijayapura-II

Dr. D.Kolekar, Nodal officer, ATARI Bengaluru visited the ICAR KVK Vijayapura-II (Indi) on 25.06.2022 reviewed the activities of KVK and visited the demo units. Later, a field visit was planned and initially visited a model dairy farm of Sri Prashant Devoor of Indi taluka started under the guidance of KVK, Vijayapura-II (Indi) and interacted with the farmer. Further, visited the DFI village Manankalagi of Chadachana taluka and explored the lime plot and pomegranate plot followed by fish pond.



ICAR-KVK, WAYANAD

National level campaign on Efficient and Balanced use of fertilisers



Conducted one day awareness programme on "Efficient and Balanced use of fertilisers". The programme was conducted at Ambalavayal public library seminar hall. Sri. T. A Joseph, Public library Secretary welcomed the gathering. Dr. K. Ajith Kumar, ADR and Dean, College of Agriculture, Ambalavayal inaugurated the programme. The programme was chaired by Sri. K.K. Gangadharan, President, Ambalavayal Public library. Detailed seminar and farmer scientist interface on awareness of efficient and balanced use of fertilisers were dealt by scientists of KVK Wayanad.

Supplied inputs and machineries to NICRA village at Kolavally, Pulpally



Conducted one day awareness campaign at Kolavally, NICRA village for the farmers where majority of the fields are drought affected. The programme was conducted in association with Soil survey, Soil conservation and Agriculture Department where the respective officials described the importance of the NICRA project.



ICAR-KVK, YADGIR**Campus Training Programme on Sustainable Agriculture in collaboration with Myrad HDFC Bank**

ICAR-KVK, Yadgir in collaboration with Myrad HDFC Bank, Yadgir conducted on campus training programme on Sustainable Agriculture on 16.06.2022 at KVK, Yadgir. Senior Scientist and Head Dr. JaiPrakash Narayan R.P, of ICAR-KVK, Yadgir briefed about the principles and practices of Sustainable Agriculture to Yadgir district farmers. Mr. Guru Prasad. H (Entomology) of ICAR-KVK, Yadgir demonstrated use of pheromone trap as IPM tool in pest management. Nearly 70 farmers were participated successfully.

**Training Programme on pest and disease management in Pomegranate in collaboration with Valagro Biosciences Pvt Ltd, Hyderabad**

ICAR-KVK, Yadgir in collaboration with Valagro Biosciences Pvt Ltd, Hyderabad conducted off campus training programme on pest and disease management in Pomegranate on 29.06.2022 at Hunasagi, Yadgir Dt. Senior Scientist and Head Dr. JaiPrakash Narayan R.P, of ICAR-KVK, Yadgir and Mr. Guru Prasad. H (Entomology) of ICAR-KVK, Yadgir briefed about the production technology and blight disease management in pomegranate. Nearly 40 farmers were participated successfully.



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