



KVK TIMES



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



ICAR-Agricultural Technology Application Research Institute
Zone XI, Bengaluru

ICAR-Krishi Vigyan Kendra, Dakshina Kannada, Mangaluru

Karnataka Veterinary, Animal & Fisheries Science University

P.B. NO 6, Nandinagara, Bidar - 585 226, Karnataka



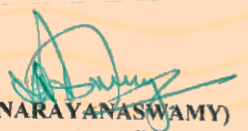
Prof. H.D. NARAYANASWAMY
M.V.Sc., Ph.d
Vice-Chancellor

MESSAGE

It gives me immense pleasure to know that ICAR-Krishi Vigyan Kendra, Dakshina Kannada is bringing out the KVK Times 12th issue (fortnightly). 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. ATARI, Bengaluru has come up with a unique idea to bring out 'KVK TIMES', a fortnightly e-Newsletter to showcase the activities carried out by each of the 48 KVKs in Zone XI. KVKs play a pivotal role in dissemination of agriculture technologies to the farmers and documenting the success achieved in the process will help others in the system to cross-learn. If this exercise boosts the spirit of extension scientists in their quest to serve the farming community, purpose of this newsletter will be justified. Krishi Vigyan Kendra involved in increasing the production and productivity of the various crops and also bridging the gap between technologies generation at the research institutions and its transfer to the farmer's fields. KVKs are functioning on the collaborative participation of scientists, extension workers and farmers. The efforts of Directorate of Extension, KVAFSU, Bidar and ATARI, Bengaluru in constantly guiding them to attain the feat are highly appreciable and noteworthy.

I wish all the KVKs in Zone XI to excel in their field of work and to achieve the highest in their service towards the farming community. My best wishes are with each one of you in the KVK family in carrying out the assigned responsibilities to serve the society.

Bidar
31st December 2021


(H.D.NARAYANASWAMY)
Vice-Chancellor

Karnataka Veterinary, Animal & Fisheries Science University

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Dr. N.A. PATIL
M.V.Sc., Ph.d
Director of Extension

PRELUDE

KVKs being one of the biggest and strongest extension system in front line extension, needs its efforts to be documented and made known to others. The unique idea of bringing out KVK times is highly appreciated. KVKs are bringing change in the farming situations by making the farmers adopt new technologies to enhance the yield and quality their crops, reduce the cost and drudgery in production, sensitizing the farmers to organize themselves to find new market way for their farm produce, creating space for local farm entrepreneurs, developing the skills in the farm labours. Front Line Extension agencies have been playing a major role as agriculture knowledge and resource centres across the country. 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. My best wishes are with KVK, Dakshina Kannada for editing and compiling this issue of 'KVK TIMES' for 16-31' December, 2021. My compliments to the entire team for covering important events and activities of KVKs in the issue. I congratulate Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, zone XI, his team and all the members of each KVK family for their collective effort in bringing out the "KVK TIMES", emphasizing the KVK activities of this fortnight. I wish from bottom of my heart that the KVK system take our agriculture profession to new horizon.

Nagard

Dr. N.A. PATIL
Director of Extension
KVAFSU, BIDAR

Bidar
31st December 2021

ICAR-Agricultural Technology Application Research Institute, Zone I

भा.कृ.अनु.प.- कृषि तकनीकी अनुप्रयोग अनुसंधान संस्थान, जोन XI

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

MESSAGE

Krishi Vigyan Kendra (KVK) is the only institution at the district level in India for technological backstopping in agriculture and allied sectors. All KVKs are envisaged to reduce the time lag between generation of technology at the research institution and its application to the location specific farmer fields for increasing production, productivity and net farm income on a sustained basis. There are 48 KVKs established under Zone XI comprising the states of Karnataka, Kerala and Lakshadweep. KVKs are doing a wonderful work towards the welfare of the farming community in bringing food, nutrition and livelihood security to them.

I am happy to understand that KVK Times has made a commendable impact among the KVKs in the zone and also received nationwide appreciation. KVK, Dakshina Kannada is the solo KVK under Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar and popularising the technologies that are developed in the University in respect of breeds like Swarnadhara poultry bird and Amur common carp fish and value addition of fish under one district one product

I acknowledge the support rendered by Dr. H. D. Narayanaswamy Vice hancellor and Dr. N A Patil, Director of Extension, KVAFSU, Bidar to Dakshina Kannada KVK for their effective service to the farming community.

I appreciate KVK, Dakshina Kannada team for bringing out the 12th edition of KVK Times in a fruitful way.

(V Venkatasubramanian)

Bengaluru
31st December 2021

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ACKNOWLEDGEMENT

It is my great privilege to profusely thank our Honorable Vice-Chancellor Prof. H. D. Narayanaswamy, for persistent encouragement and moral support extended towards compiling and editing of KVK TIMES. With his more concern about the progress of the Krishi Vigyan Kendra, we are able to achieve the mandated activities on time and improvement of socio-economic status of farming community ensuring sustainable livelihood.

It is indeed my great pleasure to express my profound gratitude to Dr. Venkatasubramanian, Director, for the implementation of an innovative idea struck in his mind for documentation of KVK activities through compiling and bringing out KVK Times. I profusely thank for providing us unique opportunity to bring out 12th issue of KVK TIMES that provides an opportunity to showcase the innovative location specific activities and encourage for cross learning among the KVKs.

I whole heartedly extend deepest gratitude to our beloved Director of Extension, Prof. N. A. Patil, for his appreciation and inspiration rendered towards shouldering our responsibilities and performing the tasks with perfection. I would like to place on record our sincere thanks to Dr. D. V. Kolekar, Scientist (Agriculture Extension), ATARI, Bengaluru and Nodal Officer of our KVK and other scientific, technical, and administrative staff of ATARI Office, Bengaluru for their instant guidance and support.

My sincere thanks to the entire team of KVK, Dakshina Kannada, Mangaluru for their consistent support and valuable suggestions in compiling and bringing out this issue elegantly.

Senior Scientist and Head
ICAR-KVK, Dakshina Kannada
Mangaluru

Mangaluru
31st December 2021

ICAR-KVK, DAKSHINA KANNADA

Capacity Development Programme on Production Technologies of Green Gram under CFLD

In Dakshina Kannada, 80 % of the paddy area in the district kept fallow during rabi season due to non-availability of suitable pulse seeds, 10 % area more priority has been paid towards cultivation of long yard bean for vegetable purpose. Shortage of water during rabi season paddy cultivation has witnessed a steady decline in the district in the past two decades. To tackle lesser yield due to water scarcity, higher production cost and to enhance the cropping intensity of the district, short duration green gram variety BGS – 9 (70-75 days) is more crucial.

Dr. Naveen Kumar, B.T., Scientist (Agronomy) organised a capacity development programme on production technologies of green gram under CFLD at ICAR-KVK, Mangaluru. Two farmers from each taluk of the district were selected, trained and 1 quintal of truthful labeled green gram seeds as critical input was provided to motivate the farmers for adoption of new variety under Cluster Front Line Demonstration.



Awareness programme on efficient water management and suitable crops under Jal Shakti Abhiyan

ICAR- KVK Mangaluru organised awareness programme on efficient water management and suitable crops in collaboration with NABARD and BVT. Sangeetha S Kartha, DDM, NABARD, Mangaluru was inaugurated the

programme and resource persons Dr. Eradasappa, E. Senior Scientist (Plant Breeding) and Dr. Aswathy Chandrakumar, Scientist (Agril. Extension) from ICAR - Directorate of Cashew Research (DCR), Puttur delivered talks on cashew a climate resilient crop, facilities and schemes for farmers from DCR. On this occasion vegetable seed kits were distributed to 100 participants. Dr. Naveen Kumar B. T. Scientist (Agronomy) organised the programme and spoke on the importance of nutri-garden for sustainable agriculture and rural livelihood.



Effect of Magnesium Sulfate on growth and development of coastal paddy

Our coastal district receives more rainfall as a resultant of this, soil nutrients are leached out causing deficiency in the soil. Good crop can be harvested at field level provided required fertilizers are applied on right time with proper quantities based on soil test. Magnesium is deficient in the soils of our coastal paddy. Based on this problem, an OFT on 'Effect of Magnesium sulfate on growth and development of coastal paddy' was implemented in 1 ha area at Bettampady village of Puttur Taluk by ICAR-KVK, Dakshina Kannada, during the implementation critical inputs like magnesium sulfate, zinc sulfate and lime were provided to the selected paddy growers and method demonstration on usage and application was also organized. Twenty-two farmer and farm women were participated in the programme. As a part Method demonstration on usage and application of magnesium sulfate in the paddy field was done practically during the programme.

ICAR-KVK, DAKSHINA KANNADA



Combating malnutrition through implementation of Nutri-garden programme

The nutrition of adolescent girls, pregnant and lactating women bear a direct relationship with the nutrition of the child. Malnutrition is still high and the numbers of malnourished children in tribal are more compared to other mainstream population of the district.

ICAR-KVK, Dakshina Kannada organized a capacity development programme in collaboration with Bharatiya Vikas Trust, Manipal for farmers of keddalike village, Bantwal Taluk adopted for implementation of Nutrigarden programme. Under this programme 25 farmers were selected after conducting basic survey to collect initial information on nutritional status and their habit of consumption pattern etc at the beginning of the project and vegetable kit (comprising of Ridge guard, Yard long bean, Bhendi, Tomato, Chilli, Bitter guard, Bottle guard, Coriander and Cucumber) fruit plants namely mango, sapota and jackfruit and vegetable special' a mixture of micronutrient developed by IIHR, Bengaluru were provided to the farmers to minimize pest and disease incidence as well as enhance flowering, and fruit set of vegetables and fruits crops. Method demonstration on usage and application of vegetable special to nutri-garden was also performed during this programme. This programme made an impact on combating malnutrition ensuring nutrition security through availability of 200kgs of high-quality fresh vegetables at their backyard nutrigardens.



Integrated Management of Cashew Stem and Root Borer (CSRB) : A major pest of Cashew nut

Cashew is a commercial crop in the district with high economic value and is earning a considerable foreign exchange for the country. Due to climate change a cashew crop is prone to significant losses in raw cashew nut yield due to insect pest incidence during various stages of the crop.

ICAR-Krishi Vigyan Kendra, Mangaluru, (Dakshina Kannada) organized a capacity development programme cum method demonstration on "Integrated Management of Cashew stem and root borer" under frontline demonstration on 09.12.2021 at Kellaputtige Village of Moodbidre Taluk. In this programme, Dr. Kedarnath Scientist (Plant Protection) participated and briefed about the integrated management practices and a technologies developed from DCR Puttur. A total of 16 cashew growing farmers and Department of Agriculture staff were part of the event.



ICAR-KVK, DAKSHINA KANNADA

Capacity Building of Farmers Through Training Programmes On Profitable Dairy Farming And Livestock Management

A Three day's training programme was conducted on “Role of Livestock in Integrated Farming system and Doubling Farmers Income” from 01.12.2021 to 03.12.2021 under the project entitled “Capacity Building of Farmers Through Training Programmes On Profitable Dairy Farming And Livestock Management” sponsored by Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying, Government Of India New Delhi.

Dr. Shivakumar, R. scientist (Animal Science), organised the training programme. Inaugurated by Dr. Prasannakumar, Deputy Director, Department of Animal Husbandry and Veterinary Services, Dakshina Kannada, Mangalore, in his speech emphasized on adopting scientific methods in integrated farming system to double the income. Dr. T. J. Ramesha, Senior Scientist and Head, during his presidential speech briefed about the merits of integrated farming system. During the programme scientists namely Dr. Chethan, Dr. Mallikarjun, Dr. Kedarnath and Dr. Naveen Kumar B.T were present. Experts in the field of animal husbandry and agriculture were participated as resource persons and delivered lecture on various topics. A total of 45 farmers were benefitted from this training programme.



Fisheries Field Day on Monoculture of Amur Common Carp

The ICAR-Krishi Vigyan Kendra, Dakshina Kannada celebrated field day on “Monoculture of Amur common carp in farm ponds” at Beluvai. Dr. Chethan N. Scientist (Fisheries) briefed about the importance of fish culture and effective utilization of farm ponds. Amur common carp under monoculture has a better yield compared to the composite culture with local strain of common carp. Amur common carp withstands the sudden change in the aquatic environment, has got faster growth rate of 27%, disease resistance. Catla, rohu, common carp are being the majorly cultured specie sin the district with tilapia and pungasius as alternative species in various waterbodies. Under the composite farming and monoculture scientific management is need of the hour and majority of the farmers fail in selecting the quality fish seed and scientific fish seed stocking. Compared to the local strain Amur common carp has more market value due to its shape and taste. Dakshina Kannada being the coastal district with major population dependent on marine fish for consumption, majority of the farm are not effectively utilized for fish culture. With modern technologies the fish culture has become an integrated approach for economic gain and quality food production. Mr. Ramakrishna Shenoy, progressive farmer shared his experience of fish culture using farm ponds and integrated farming. Integrated approach has been the right approach to overcome the lacunas in farming and multi cropping system. Amur common carp accepts the local formulated feeds and can grow upto 1.5 kg on an average in a year. Farmers from different parts of the district witnessed the programme.



ICAR-KVK, ALAPPUZHA

KVK-Alappuzha website hosted on ICAR data centre

The dynamic website of KVK-Alappuzha (www.kvkalappuzha.icar.gov.in) is hosted on ICAR data centre as per brand ICAR guidelines and directions from ICAR-ATARI, Bengaluru. The GIGW compliant site with details of the activities of the KVK will be updated on regular basis.

Capacity Building Programme on Scientific Goat Farming

ICAR – KVK – Alappuzha conducted a three days capacity building programme on “Scientific Goat Farming” from 27th to 29th December, 21 which is funded by the Union Ministry of Fisheries, Animal Husbandry and Dairying (MoFAHD). The comprehensive programme covered theory and hands on sessions on all aspects of goat farming including shelter, feed, stress and disease management, fodder cultivation, and exposure visit to Goat farms established under the technology demonstrations at NICRA village, Thalavady. Thirty six farmers attended the three days programme with great enthusiasm.



Management of chilly leaf curl virus through grafted resistant seedlings

Leaf curl disease is a severe problem faced by the chilly growers of Alappuzha district. The importance of growing resistant varieties for the management of viral diseases and avoiding the indiscriminate use of chemicals was convinced by the farmers through a series of training activities and field visits. As a continuation to this activity, chilly leaf curl disease resistant hybrid varieties viz., Arka Yashasvi, Arka Tanvi and Arka Gagan from ICAR-IIHR were introduced to the farmers. Since solanaceous vegetables are prone to bacterial wilt in the region, seedlings raised from the seeds procured from ICAR – IIHR were grafted on seedlings of bacterial wilt resistant KAU varieties. These grafted seedlings were provided to identified partner farmers for an on farm testing (OFT). As part of this intervention, a training programme for the partner farmers on “Leaf curl disease management in chilly” was conducted at Puliur on 20.12.21.



ICAR - KVK, BAGALKOT

One District One Product-Jaggery Fest organised at Bagalkot

On the eve of Farmers' day to commemorate the birth anniversary of Former Prime Minister, Shri Choudary Charan Singh, ICAR-Krishi Vigyan Kendra Bagalkote, Karnataka State Department of Agriculture, BVV's BIMS, IAT and Krishik Samaj Bagalkote, AEEC Mudhol jointly organised Jaggery fest on 23-24, December 2021. The main objective of this fest was to promote the production of quality jaggery, organic jaggery, export of jaggery, value addition to jaggery and to increase the consumption of jaggery because of its nutritional importance and promote small scale industries to avail the benefits of the ATMANIRBHARA scheme to economically strengthen the jaggery sector.

As part of programme, a competition was organised for MBA student to prepare a product and concept note on the product on value addition to jaggery. There were totally 23 teams participated and presented various products prepared from jaggery. There was also an exhibition of jaggery and jaggery products. About 22 stalls showcased the flavoured jaggery, value added jaggery, cubes of jaggery, liquid jaggery, powder jaggery, organic jaggery, bael fruit jam, jaggery tea etc. At the end the winners of the competition were declared and honoured with the prizes.

The programme was inaugurated by Hon'ble Member of Parliament Shri P C Gaddigoudar, District Commissioner, Captain Rajendra K, CEO Shri Bhoobalan, Joint Director of Agriculture Dr. Chetana Patil, Associate Director of Extension Dr. R B Belli, Principal of MBA college Dr. Allagi, and Senior scientist and Head, KVK Bagalkote Dr. Mouneshwari R Kammar. In his remarks, Shri P C Gaddigoudar emphasized on strategies of doubling farmers income. Inaugurating the exhibition stalls he emphasized the need to highlight the packaging technology for the products prepared out of jaggery.

Captain. Dr. K Rajendra, District Commissioner, Bagalkote in his speech stressed the need for

chemical free jaggery and the facilities of govt to establish jaggery processing unit. Shri Vighnesh from KAPPEC, Dr. Hemalatha Poddar, Professor Food technology, Dr. Harshita T, Asst professor Food Technology, College of Community Science, Dr. Bharathi Meti Prof. Biotech BVV college and Dr. B B Borase, professor CFTRI Mysuru deliberated upon the establishment of jaggery unit, licensing and marketing.

On the eve of farmers day, many progressive farmers who have demonstrated extraordinary capacities in farming were identified and honoured with district level best farmer. Various products such as varieties of sugarcane with high yielding potential, bael jam, jaggery tea, jaggery pedha, jaggery chocolate, powder and liquid jaggery, sweet made from jaggery and dry fruits attracted the public and were sold at the exhibition stalls.



ICAR - KVK, BELAGAVI-I

Seminar On Uttam Kheti Unnati Kisan, Farmers Education And Organic Farming

ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 is organised one day seminar on the topics: Uttam Kheti Unnati Kisan, Farmers education and Organic farming during the occasion of National Farmers Day 23/12/2021. This seminar comprises discussion between the experts and students on the above mentioned topics. 38 students of B.Sc. Agriculture from college of agriculture, Dharwad (UAS-Dharwad) and 15 students from Association of Physically Disabled, Bengaluru are participated in the seminar. Expert's panel had Shri. P. M. Patil, Scientist (Horticulture), Shri. N. R. Salimatt, Scientist (Sericulture) and Shri Adarsh H. S. Scientist (Fisheries). The discussion has initiated with cherishing the works of Hon'ble Shri. Choudhary Charan Singh, Ex-Prime Minister, Govt. of India on his birth anniversary as National Farmers Day. Agriculture students present the current scenario and future prospective in agriculture in front of the expert panel. The discussion went very well between the participant students and the experts. Expert's panel answered all queries raised during the discussions. Interaction helps to find out, what students can do for farming community in order to create better livelihood for farmers.



ICAR - KVK, BELAGAVI-II

Visit of Shri. B.C. Patil, Hon'ble Minister of Agriculture, Govt. of Karnataka

Shri. B.C. Patil, Hon'ble Minister of Agriculture, Govt. of Karnataka visited ICAR-KVK, Belagavi-II on 21.12.2021. During the visit to the KVK, visited horticulture demonstration block, Kisan Bazar and seed processing unit. Mrs. Sridevi B. Angadi, Senior Scientist & Head presented the activities and achievements of KVK. During her presentation, she highlighted about the soybean seed production activity carried out for recently released varieties which are suitable to southern zone. The varieties recommended for the central zone are performing better in southern zone also as in case soybean JS-335 similarly RVS-24 performing better in the southern zone & yielded upto 14 q/acre during the summer season. During the present *khariif* KVK has played a pivotal role in control of rust disease in the district by taking up campaign in association with Dept. of Agriculture, Belagavi and University of Agricultural Sciences, Dharwad. Their by Rs. 967 crores was an economic benefit to the farming community by taking up prophylactic measures to control rust. KVK Scientists briefed about the activities carried out in area expansion of newly released varieties Bengal gram (JG-11, Jaki-9218), Soybean (Dsb-21), use of spiral separator for grading of soybean, in-situ incorporation of sugarcane trash, management of white grub in sugarcane, soil test based nutrient management. Minister appreciated the activities of the KVK and assured to purchase quality seeds produced from the KVK. During his visit, Shri B.R. Patil, Chairman, ICAR-KLE KVK, Mattikopp felicitated the Minister in the presence of Dr. Mallikarjun Hanji, Senior Technical Officer, ICAR-ATARI, Bengaluru, Dr. P.S. Hugar, Associate Director of Extension, UAS, Dharwad, Shri.S.S. Patil, Joint Director of Agriculture, Belagavi and Shri. H.D. Kolekar, Deputy Director of Agriculture, Belagavi.



ICAR - KVK, BIDAR

Conclave on Natural Farming

KVK arranged live telecast address of Shri. Narendra Modi, Hon'ble Prime Minister to the farmers of the nation during the valedictory session of Natural Farming Conference on 16.12.2021. On this occasion, KVK organized Farmer-Scientist interaction session on Natural Farming. The programme was inaugurated by Shri. Iranna Kadadiji, Hon'ble MP (Rajya Sabha). During the inaugural address, he expressed that, our ancestors adopted Natural Farming method to improve the soil fertility. Due to increase in the growth of the population and to meet out the consumer demands, the chemical farming came in to practice to meet the food demand of the nation. Now realizing the high cost and detrimental effects on soil and human health and environment, the nation has to reorient our practices based on natural farming and advised farmers to practice this in part of their land. During introductory remarks, Mrs. Sridevi B. Angadi, Senior Scientist & Head said that Farmer-Scientist interaction session is organized to educate farmers on ill effects of chemical farming and advantages of practicing natural farming. Shri. Shreekar Kulakarni, President, Raita Morcha & Raju Kudsomannavar, Vice-President, Someshwar Sugar Factory, Belavadi and Smt. Geeta Kadapatti, Assist Director of Agriculture, CADA, Dharwad were present in the programme.

During the interactive session, Mrs. Sridevi B. Angadi, Senior Scientist & Head and KVK Scientists Dr.S.S. Hiremath, S.M. Warad, G.B. Vishwanath, Praveen Yadahalli discussed with farmers on natural farming practices. The programme was attended by 116 farmers and 83 students.



Observations of World Soil Health Day

World Soil health day was celebrated on 5th December, 2021 by ICAR-KVK Bidar at three villages in collaboration with KSDA in Manthal, Chambole and Kandgoal. The main objective of the programme was to make the farmers to aware of the importance of healthy soil and to advocate for ecofriendly soil management.

In the programme Dr Sunilkumar NM senior scientist and Head KVK Bidar at Manthal village explained about the importance of nutrients in soil and he had emphasized on soil testing and said that the farmers can get the knowledge on the available nutrient status of their soil and by which how much nutrients to be applied as per requirement only. Shri Marthand ADA Basavakaylan was participated as chief guest present.

Dr RL Jadhav described the procedure for soil samples collection and nutrient management in sugarcane. The chief guest of the function was Shri MAK Ansari ADA Aurad was present as guest.

Dr Ningdalli Mallikarajun Scientist Horticulture asked the farmers to apply various nutrients to crops as per health card to avoid over or under use of nutrients along with organic manure.

In all the locations the farmers were distributed Soil Health Cards by the chief guest. During this occasion He also emphasized that burning of crop residues and stubbles on farm should not be practiced as it leads to killing of beneficial microorganisms from the soil making it sterile and urged to use chemical fertilizer judiciously.



ICAR-KVK, CHIKKABALLAPURA

Farmers Day programme was organised by KVK, Chikkaballapura on 23.12.2021. Dr. Papireddy Senior Scientist and Head emphasized on role of farmers in growth and development of nations economy. Dr. Vinoda. K.S. Scientist (Sericulture) explained about importance of organic farming for sustainable agriculture, Dr. Gayathri, Scientist (Soil Science) explained about soil health management. Mr. Vishwanath Scientist (Agronomy) explained about need and importance of pulse production. Dr. Tanweer Ahmed Scientist (Agricultural Extension) explained about the integrated farming system for sustainable income. 53 farmers participate in the programme.

ICAR Krishi Vigyan Kendra, Chikkaballapura organised a Scientific Advisory Committee meeting on 24.12.2021. Dr. Papireddy Senior Scientist and Head, KVK, Chikkaballapura welcomed gathering and presented the report. Dr. Devakumar. N, Director of Extension UAS, GKVK, Bangalore presided the programme and highlighted the role of KVKs in transfer of technologies to the farming community. Dr. Chandre Gowda, Principal Scientist, ATARI, Bangalore emphasized on need of collaborative efforts by all line departments in dissemination of technologies to the farmers. Officials from developmental departments, scientists from different institutes and SAC members participated in the programme. Publication related to fertigation schedule in vegetable crops were released during the programme.



ICAR - KVK, CHIKKAMAGALURU

Technology Week Celebrated from 20.12.2021 to 24.12.2021

Technology week was organized to disseminate the need based technologies which was developed by university for the benefit of farming communities in order to make them to adopt the advanced and improved technology related to Agriculture, Horticulture and subsidiary enterprises. Krishi Vigyan Kendra, Chikkamagaluru has organized Technology week from 20.12.2021 to 24.12.2021 (5 days).

On 20.12.2021 KVK, Chikkamagaluru has organized FFS Field day programme on Paddy at G. Vasahalli village of Mudigere taluk. During this programme Dr. Girish. R., Scientist (Plant Protection), explained about the integrated pest and disease management in Paddy and this programme was witnessed by 75 farmers.

KVK, Chikkamagaluru celebrated field day programme on Paddy (KHP-13) on 21.12.2021 at G. Hosahalli village of Mudigere taluk. In this programme Dr. Krishnamurthy, A. T., Senior Scientist and Head, KVK, Chikkamagaluru briefed about the Paddy (KHP-13) variety characteristics that, KHP-13 variety is blast resistant, high yielding variety and also which yields 45 to 50 qt/ha. Total 186 farmers and farm women participated and got benefit out of it.

A Field day programme on Nutri-garden was organized at G. Hosahalli village of Mudigere taluk on 22.12.2021. Dr. Sathish, N., Scientist (Home Science) explained about Nutri-garden importance and their management, 33 farmers were got benefitted in this programme.

Front line demonstration was organized on integrated pest and disease management on tomato at Beeranahalli village of Kadur taluk on 22.12.2021 Dr. Girish. R, Scientist (Plant protection) briefed about the management of tomato pest and disease and this programme was witnessed by 70 farmers.

On 23.12.2021 Farmers day was celebrated at Lakkamanahalli village of Chikkamagaluru district. In this programme Dr. Krishnamurthy, A.T., Senior Scientist and Head, KVK, Chikkamagaluru participated as resource

person and during his speech he briefed about the role of integrated farming system in doubling of farmers income. Total 66 farmers participated.

On the same day at Kunkanadu village of Kadur taluk, Dr. Girish. R., Scientist (Plant Protection) attended as resource person he briefed about the integrated pest and disease management and Dr. Dhanalakshmi. D., Scientist, (Soil Science) participated as resource person at Mudigere and she delivered lecture about technologies developed for cultivation of fodder crop in paddy field.

Last day of the technology week viz., on 24.12.2021, KVK, Mudigere organized FFS Field day programme on Maize at Beeranahall village of Kadur taluk. In this programme Dr. Dhanalakshmi. D, Scientist (Soil Science), KVK, Mudigere explained about the importance of integrated nutrient management in Maize and also explained the importance of organic farming by application of organic matter and this programme was witnessed by 40 farmers.



ICAR-KVK, CHITRADURGA

National Farmer's Day, 2021

“National Farmer's day” was celebrated by ICAR - Krishi Vigyan Kendra, Chitradurga in collaboration with Dept. of Agriculture, Holalkere on 23rd December, 2021 at ADA office, Holalkere taluk. The programme was inaugurated by pouring water to the plant by the Chief Guest Sri K. Nagaraj, Managing Director, M/s Amruth Organics Pvt. Ltd., Malladihally, Holalkere taluk, Sri N.V. Prakash, Assistant Director of Agriculture,

Dept. of Agriculture, Holalkere taluk, Dr. Jyothi T.V., Scientist (Soil Science), ICAR- Krishi Vigyan Kendra, Chitradurga, Sri K.C. Ramesh, Vice President, Taluk Panchayath, progressive farmers Basavarajappa, K.T. Gurumurthy, Murugendrappa and progressive farm woman Smt. Kalavathi. Dr. Jyothi T.V., addressed the farmers and farm women about the importance of soil test based fertilizer recommendation, procedure of soil and water sampling, management of saline and sodic soils, balanced nutrition and soil fertility. Sri Prakash briefed the facilities available in the department of agriculture, Holalkere taluk. Sri Nagaraj explained the importance of millets in human nutrition and organic farming. Eighty three farmers and farm women were participated in the programme.



ICAR-KVK, DAVANAGERE

“Performance and Impact of NICRA Interventions” book released during 19th Scientific Advisory Committee meeting held on 23-12-2021 at ICAR –Taralabalu KVK, Davanagere by Dr.HemlaNaik, Director of Extension, KSNUAHS, Shivamogga. The experiences of NICRA activities from 2012 to 2020 shared by Mr. Mallikarjuna B.O., Dr.Devarjaya T.N. and Dr. Jayadevappa G.K.



Field visit of the Input Dealers (DAESI) students from MYRADA ,Chitradurga district to ICAR-TKVK, Davangere. Mr. Mallikarjuna B.O. SMS(Agronomy) explained the water harvesting technology implemented at Kesarivana farm, TKVK (lessons learnt from NICRA Project). Field visit to the Agro forestry, trench cum bund, check dam and Farm pond.



Mr.Mallikarjuna B.O., SMS(Agronomy) delivered lecture on the seed production of high yielding varieties (Finger millet and Pulses) for FLD - farmers of DFI village Agasanakatte, Davanagere taluk.



ICAR-KVK, DHARWAD

Skill Training For Rural Youth on "Bee keeping"

Agriculture and Food Processing Conclave was organized in Anand, Gujarat State from 14-16 December, 2021 and during valedictory programme Hon'ble Prime Minister Shri Narendra Modiji addressed farmer and requested them to utilize natural resources for producing chemical free food products.

During the conclave he addressed more than 8 lakh farmers virtually and expressed that we are going to get high demand in the international market for the products produced through natural farming. Shri Acharya Devvrat, Hon'ble Governor, Gujarat State shared their experiences in natural farming and said that he improved the organic carbon content in his farm with the use of Jeevamruta and Ghanajeevamruta. He expressed that, with the use of natural bio-products like Jeevamruta, Ghanajeevamruta, Vermicompost, Agniastra, Neemastra and Dashaparni etc., agriculture can be profitable. ICAR-Krishi Vigyan Kendra, Dharwad organized live telecast of Hon'ble Prime Minister's speech on natural farming and scientist interaction meet at Farmers Knowledge Centre, Dharwad, UAS, Dharwad. Shri Shashimouli Kulkarni, Member, Board of Management, UAS, Dharwad inaugurated the programme and expressed that our ancestors practiced natural farming and consumed nutritionally rich, chemically free food. Now we have to practice natural farming to improve soil fertility. He expressed his confidence that we can adopt natural farming when we practice animal husbandry at our home. Shri Y. N. Patil, Shri Mallesh P., Members, Board of Management, UAS, Dharwad. Dr. B. D. Biradar, Dean, AC, Dharwad, Dr. Balachandra K. Naik, Director of Extension, Dr. P. S. Hugar, Associate Director of Extension, Dr. Shripad Kulkarni, Nodal Officer (KVK), Directorate of Extension, Dr. C. P. Chendrashekhar, Professor (Agronomy) and Farm Leaders Shri Shanmukh Gurikar, Shri Mahadev Dandin, Shri Kumargouda Patil, Shri Puttaswamy, Shri Mahantesh Karikayi and others participated in the programme. More than 500 farmers, farm women, students and staff were present during the programme.



National Farmers Day and Jai Jawan Jai Kisan programme with theme Uttam Kheti-Unnat Kisan

ICAR-KVK, Dharwad organized the National Farmers' Day and Jai Jawan Jai Kisan programme with theme "Uttam Kheti-Unnat Kisan" at Farmers Knowledge Centre, UAS, Dharwad in collaboration with District Krishika Samaj and Dept. of Agriculture, Dharwad on 23.12.2021. The Hon'ble Vice Chancellor Dr. M. B. Chetti addressed the farmers and briefed about good agronomical practices which can bring good returns and income to the farm families. He assured that practicing scientific farming and effective utilization of resources will make agriculture sustainable. Flower tribute was offered to the photo of Shri Choudari Charan Singh as a gesture of inauguration. Dr. Rajashekar I. Bijapur, Joint Director of Agriculture briefed the farmer friendly approaches implemented by Shri Choudari Charan Singh, the 5th Prime Minister of India. He mentioned that, value addition activities are important for getting higher income to the farming community. Further, the role of KVK and Agricultural University in uplifting the farming community was expressed by Shri. Basavaraj C. Kundagol, President, Krishika Samaj, Dharwad.

Shri. Shashimouli Kulkarni, Member, Board of Management, UAS, Dharwad stressed the role of Paramparagat Krishi to maintain good farm and essentiality of maintaining desi livestock in present agriculture situation. During the programme, Shri. Dattanna Joshi, Ex-service man and progressive farmer from Lakkunndi village and Smt. Parvathi Dandin, progressive farm women from Singanalli village were honored. Their innovations and path breaking activities in the field of agriculture were shared by them. Kisan goshti was arranged to educate the farmers in advanced agriculture technologies. Dr. Ramesh Babu, Retired Director of Extension, UAS, Dharwad briefed about weed management in agriculture. Dr. Satish S Desai, Professor of Agriculture Engineering, UAS, Dharwad explained the role of mechanization in

agriculture and Shri. Channappa Angadi, Assistant Director of Agriculture, Dharwad provided information about Farmers Producer Organizations and their role in seed production programme.

ICAR-Krishi Vigyan Kendra, Dharwad organized an exhibition showcasing the technologies released by UAS, Dharwad and disseminated by KVK, Dharwad. Sneha Tanda students of UAS, Dharwad and dealers of farm implements also participated in the exhibition. The programme was witnessed by Shri Y. N. Patil, Shri Mallesh P., Members, BoM, UAS, Dharwad, Dr. B. D. Biradar, Dean (Agri), Dr. P. L. Patil, Director of Research, Dr. Balachandra K. Naik, Director of Extension, Dr. J. S. Hilli, Special Officer (Seeds), Dr. H. B. Babalad, Chief Librarian, Dr. V. R. Kiresur, Head, PPMC, Dr. P. S. Hugar, Associate Director of Extension, Dr. Shripad H. Kulkarni, Nodal Officer of KVKs, UAS, Dharwad, Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad and all staff. Around 253 farmers from different villages, students, staff members were attended the programme.



ICAR-KVK, ERNAKULAM

Mechanized Shredding Of Banana Farm Residues Demonstrated

The KVK Ernakulam demonstrated mechanized shredding of residues from harvested banana plantations as part of its *Swatchtha Pakhwada* at Ayyampuzha in Ernakulam district, Kerala. The left over stems once shredded into small pieces are easy to get composted and incorporated in soil. This also makes farm clean while enhancing organic matter content of the soil. One acre banana plantation generates 30 MT of biomass residue and the tractor operated waste shredder demonstrated by KVK can shred banana stems of this quantity in 8 hours. Properly composted banana biomass from one acre area if used *in situ* can enhance organic matter by 0.1 to 0.2 per cent and that can reduce chemical fertilizer requirement by 16 per cent. Making Silage for dairy animals is also a possibility being explored by KVK. Generating wealth from waste is a flagship programme envisaged in the *Swatch Bharath Abhiyan*.



Training On Soil-less Planting Media

The KVK Ernakulam conducted a training on *Soil-less planting media production* on 22.12.2021 at Keezhmad, Ernakulam as part of its *Swatchtha Pakhwada*. The Soil less planting media is a mixture of composted pressmud (Sugar mill residue),

Coir-pith (Coir industry residue) and Cow dung powder (Farm residue) enriched with Neem cake and bio control agents. This nutritionally rich mixture is proven as an excellent planting media for urban horticulture. Scarcity of soil is a great issue faced by urban farmers in Kerala.



ICAR-KVK, GADAG

Prime Minister Programme On Natural Farming

On 16-12-2021, ICAR-KVK, Gadag organised live telecast programme of Honourable Prime Minister Shri Narendra Modiji on Natural Farming. Addressing the farmers, he said that old practice of Natural Farming is a boon to farmers and called upon the farmers to inculcate Natural Farming to make agriculture Atma Nirbhar. 230 farmers, farm women and students viewed the PM's speech.



Celebration Of Agriculture Technology Week

ICAR-KVK, Gadag celebrated Agriculture Technology Week from 16-22 December, 2021 at its Campus as well as in adopted villages. Various activities viz., Farmers-Scientist interaction programme, training on Scientific Dairy Farming, method demonstration on usage of pheromone traps, spray of chickpea magic, solar nipping in chickpea crop were organised. Farmers, farm women and students have visited to KVK's exhibition hall, demonstration units of rain water harvesting, cashew orchards, vermicompost, azolla and food processing unit. A total of 425 farmers, farm women and students participated in the week long event



ICAR-KVK, HASSAN

Field Day

ICAR-KVK, Hassan has organized the Field day on Fish rearing, Duck rearing and composting of sericulture waste using waste decomposer at Baladare, C.R. Patna taluk on 20/12/2021. Mr. Rangegowda, Progressive farmer, Baladare, C.R. Patna taluk has inaugurated the programme and in his inaugural speech he said that farmers should practice integrated farming system to get sustainable income throughout the year. Dr. M. Shivashankar, scientist (Home Science) KVK,

Hassan has chaired the programme and during his presidential remarks he said that farmers should adopt new technologies by taking advice from the scientist and also they should think of integrating organic farming with modern farming to maintain soil health. Dr. Sanketh, C. V., Scientist (Extension), KVK, Hassan has briefed how fish rearing and duck rearing has positive impact on farmers income and also he explained the duck rearing techniques to the farmers. Further he explained to the farmers that how waste decomposer is useful to decompose sericulture waste, how waste decomposer is useful to the farming community in multiple ways, what are the steps to prepare waste decomposer solution and precautions to be followed while preparing the solution. Mr. Sathish, Assistant director of Fisheries, C.R. Patna taluk has explained how farmers should take up fish cultivation in farm pond, what are the varieties of fish suitable for farm pond fish cultivation, what are the subsidies, schemes and programmes available for the farmers from the fisheries department to take up fish cultivation. Finally, farmers were taken to the demonstration plots to show the results of demonstrated technologies. Mr. Manjegowda, Progressive farmer, C.R. Patna taluk, Final Year B.Sc. (Agri) students, College of Agriculture, Mandya and 70 Farmers were participated in the programme.



Farmers Day

ICAR-KVK, Hassan has organized the 'Farmer's Day' on 23/12/2021 with collaboration of College of Agriculture Hassan, Institution of Agricultural Technologists, Hassan, Biofuel Park Madenuru Hassan, Zuari company ltd Hassan and

ICAR-KVK, HAVERI

KVK Haveri 44th Scientific Advisory Committee (SAC)

Boomi-baduku partishtana Hassan at Hassanamba Auditorium, College of Agriculture Hassan by organizing Kissan Gosti. Programme is inaugurated by Dr. Malleshgowda, H. L., President Kannada Sahithya parishath, Hassan and during his inaugural speech he said that farmers are the backbone of our country and they were working hard to feed the nation so celebrating a day in the name of farmers is very meaningful. Mr. Krishnegowda, President, Krishika Samaja Hassan has shared his experience of farming techniques followed in China country which was witnessed during his visit to China. Dr. Vijay Prakash Hegdae, Agripreneur and organic farmer, Sakaleshapura has said that the farmers who were practicing organic farming were getting more income. Further, he shared his 25 years of experience in organic farming. Dr. Rajegowda, Senior Scientist and Head, KVK, Hassan during his introductory remarks mentioned the history and motto behind the celebration of national farmers' day and he also mentioned the KVK activities which were helpful for farming community. Dr. Vasudevan, S. N., Dean (Agriculture), College of Agriculture, Hassan has chaired the programme and during his presidential remarks he said that maintaining soil health will maintain farm health and in turn helps to earn more income for the farmers and also mentioned that farmers should adopt new, innovative technologies and practice integrated farming system to get sustainable income. Dr. K. K. Singh, Head, R&D, Zuari farm hub ltd., Mr. Yogesh, Deputy Director, Horticulture department, Hassan, Dr. H. C. Girish, Head, Biofuel Park Madenuru, Hassan, Mr. M. Manjunath, President, Boomi-baduku partishtana Hassan, Ms. Lavanya, K. S., Scientist (Horticulture), KVK, Hassan, teaching and non-teaching staff, College of Agriculture, Hassan and Farmers across the Hassan district were participated in the programme.

ICAR- Krishi Vigyana Kendra, Haveri conducted 44th Scientific Advisory Committee (SAC) meeting on 30.12.2021 under the Chairmanship of Dr. M.B.Chetti, Hon'ble Vice-Chancellor UAS, Dharwad, officers of Directorate of extension UAS Dharwad, line department officials, nominated progressive farmers. Senior Scientist and Head of KVK Haveri presented Action Taken Report (ATR) of 43rd SAC recommendations, progress of activities conducted by KVK since last SAC meet and action plan for the coming year. The members of SAC gave important advisories for taking up training and demonstration activities by KVK Haveri. Important discussions on major crops of the district (Maize, Chilli, Groundnut & Soybean) and ODOP mango was discussed.

Hon'ble Vice Chancellor gave directions to conduct trainings and demonstration on organic mango cultivation and advised the staff to focus on attractive packaging of value added products. Members of line department & NABARD also stressed on mango. Dr. DVS Reddy, Principle scientist, ATARI, Bengaluru also suggested to take up more programs on mango and your KVK Haveri nominated by NICRA project hence finalize the village for implanting activities. Dr. Raydu, Principle scientist, ATARI, Bengaluru stressed upon fodder scarcity in Ranebennuru and Hirekerur taluk where it is required to provide highest yield varieties or planting materials by KVK or farmer to farmer. During this occasion Hon'ble Vice-Chancellor inaugurated the azolla demo unit and visited the stalls exhibited by invited farmer entrepreneurs viz., mushroom, banana flour and value added entrepreneur.



“Mushroom Production Technology” Programme as part of Farmer's Day Celebration 23rd December, 2021 at KVK Haveri (Hanumanamatti)

"Mushroom Farming Training" was organized as part of "Farmers' Day" on 23.12.2021 at ICAR- Krishi Vigyan Kendra, Haveri (Hanumanamatti). Dr. Asoka P, Senior Scientist and Head of Krishi Vigyan Kendra at the launch of the program, said, “The community of farmers is the symbol of our country's rich culture and folklore”. These hardworking farmers are the kind of personalities that are respected in all time, even though one day is set aside for them in our country to celebrate farmers day on 23rd December, every year. Chaudhary Charan Singh's Birthday is being celebrated as a Farmer's Day in India. Farmer known as the backbone of India, agriculture is the source of the economy of the country, but in an altered situation, what would happen if there was no food security, and why the agrarian life is breathtaking. The event was presided over by the then Dr. Basavarajappa R, Dean (Agriculture) and Head of Campus, College of Agricultural, Hanumanamatti, spoke on the importance of mushroom cultivation, the importance of minor millets and their role in increasing the income of farmers. Afterwards Dr. Vitholnavi, Assistant Professor, Department of Agricultural Microbiology, UAS, Dharwad, said that mushroom can be easily grown at home. This can be harvested early in 23 to 25 days after sowing. Button mushrooms are becoming increasingly popular. The cost is lower compared to other mushrooms. Dr. Santosh H. M. scientists (Horticulture) talk about different types of mushroom viz., Button Mushroom, Shell Mushroom, Milky Mushroom and Paddy Grass Mushrooms and their cultivation. Eating mushrooms is a good food for diabetics and cardiovascular patients because of their low sugar and fat content. In this program progressive farmer

and farm woman were felicitated. About more than 100 farmers of the district participated and took advantage of this programme. On the occasion of jai javan ji kisan we have conducted method demonstration vermicompost production technology on 24 December 2021 for enhancing the income of farmers to survival of livelihood life ghosties nad exhibition were organised. There are 65 participants participants in the programme.



ICAR-KVK, IDUKKI

Awareness Campaign on Energy Conservation and Water Use Efficiency”

ICAR-Krishi Vigyan Kendra (BSS), Idukki in association with Energy management Centre, Trivandrum organized an off campus awareness program on “Energy Conservation and water use efficiency”. The awareness programme was held at Mankulam, Grama Panchayat Hall. The major motto of the programme was to create importance on usage of energy efficient star rated pumps, and to increase the water use efficiency. Mr. Benny, Agricultural Officer, Pallivasal Krishi bhavan welcomed the participants. The awareness programme was inaugurated by Sri. Abhilash, Pallivasal Grama Panchayat President. In his inaugural address he stressed on the importance of understanding the principles behind the energy consumption.



Smt. Sheela, 2nd Ward Member, Pallivasal Grama panchayat briefed the concept note of awareness programme. Ms. Preethu K. Paul, SMS (Agricultural Extension), and Ms. Manju Jincy Varghese, SMS (Soil Science), ICAR-Krishi Vigyan Kendra(BSS), Idukki felicitated the programme. Technical session was handled by Mr. Aseem, Auditor, Alenso Energy, Trivandrum. The major topics given aware were, latest energy efficient pumps and machines, top star rated machines for irrigation, tractor/tiller that can be used in marshy lands, and other related topics. Later practical session on usage of energy efficient pumps were demonstrated by the resource person to the farmers.



ICAR-KVK, KALABURGI-I

Celebration of National Farmers day, workshop on Organic, Millets and 'Krishi Ratna' award to 75 progressive farmers

Kalaburagi district Krishika Samaja, Karnataka State Department of Agriculture, ICAR-Krishi Vigyan Kendra, Kalaburagi-I, Zonal Agricultural Research Station and College Of Agriculture, Kalaburagi jointly organized National Farmers day, workshop on Organic, Millets and “Krishi Ratna” award to 75 progressive farmers of the Kalaburagi district at Auditorium, College of Agriculture, Kalaburagi on 23.12.2021.

Hon'ble Member of Parliament of Kalaburagi Dr. Umesh G. Jadhav inaugurated the programme and his inaugural speech expressed that role of farmers in agriculture and everyone should salute the farmers for their great contribution to the nation.

Dr. S. A. Patil, Former Vice Chancellor, UAS, Dharwad and Director, ICAR, New Delhi, Sri. Dilip Sasi, CEO, Zilla Panchayat, Kalaburagi, Sri Lokhande Snehal Sudhakar, Commissioner, Kalaburagi Mahanagara Palike, Kalaburagi, Dr. Suresh S. Patil, Dean, College Of Agriculture, Dr. M. M. Dhanoji, Associate Director of Research, Zonal Agricultural Research Station, Kalaburagi, Dr. Dr. Ratendranth Sugur, JDA, Kalaburagi, Dr. Raju G Teggalli Sr. Scientist & Head, KVK, Kalaburagi-I, Smt. Anasuya Hugar, and Sri. Chandrakant Jeevanagi Deputy Director of Agriculture, Kalaburagi participated in the programme as a chief guest. Dr. Sidramappa Patil Dhangapur, President of District Krishika Samaja, Kalaburagi presided over the function. KVK and ZARS, Kalaburagi Scientists and KSDA officials and nearly 550 farmers were present in the programme. Later, selected 75 progressive farmers of the district was received 'Krishi Ratna' award by the guests and created awareness on benefits, cultivation and processing methods of the millets, distributed millets to the participated farmers.



Publicize of GI Tag TUR through Postal Cover

Publicize of Geographical Indication (GI) tag to Kalaburagi Tur through postal cover programme to launch a special postal cover on tur by the University of Agriculture Sciences, Raichur and the State Pulses Development Board was arranged at ICAR-Krishi Vigyan Kendra Kalaburagi campus on 30.12.2021.

It was a historic movement to get a GI tag to Tur being grown in Kalaburagi, and people of this region should publicize the GI tag in big way, said Karnataka State Pulses Development Board



ICAR-KVK, KALABUGI-II

National Farmer Day Celebrated at ICAR-KVK, Kalaburgi-II (Raddewadgi)

Managing Director Anthony Maria Emmanuel in his inaugural speech at programme.

Dr. Jayaprakash M. Nidagundi, Professor and IPR cell head, UAS, Raichur delivered his introductory speech he said, the weather condition of the area, Soil fertility, quality of products, and health benefits of the produces will be studied before oration the large numbers. The produces should be at the forefront on par with other crops to be grown across the globe. Hence, the peasants themselves should create awareness about the benefits they get from the GI tag, the officer advised.

Kalaburagi division Chief post superintendent B R Nanajagi briefed the objective and motto behind the launch the special postal cover, a postal cover has been brought to publicize the GI tag given to Tur. It is one of the special postal covers being brought out across the globe on agricultural production. College of Agriculture Professor and Head (Plant Pathology) Dr. S.K Jayalakshmi said, so far, the GI tag has been given to 346 products in the country including 42 in Karnataka of the total GI tags, as many as 22 GI tags have been given to products related to agriculture, she added.

In this programme, Kalaburagi division assistant post Superintendent V. L. Chitakote, Dr. M. M. Dhanoji, Associate Director of Research, Zonal Agricultural Research Station, Dr. Raju G Teggalli Sr. Scientist & Head, Scientists of KVK and ZARS, Kalaburagi were present. In the programme, anchored by Dr. Muniswamy, Senior Scientist (Genetics and Plant Breeding) and vote of thanks by Dr. Rachappa Haveri, Senior Scientist (Entomology), ZARS, Kalaburagi Nearly 50 farmers and staffs were participated.



ICAR-KVK, Kalaburgi-II (Raddewadgi) organised National Farmers Day with the theme of “Uttam Kheti-Unnat Kisan” on 23.12.2021 at ICAR-Krishi Vigyan Kendra, Raddewadgi campus in association with KSDA, Jewargi. The event inaugurated by watering to a plant by chief guest Sri AyyangolChannappgol Progressive and organic farmer and other dignitaries jointly.

During the event Dr. Vikram Simha H.V. Scientist (PFE) addressed the participant about the farmer's day and present agricultural situation. Chief guest Sri. Ayyangol Channappgol Progressive and organic farmer expressed his experience and urged the farmers to reduce the cost of cultivation by adopting organic practices by producing bio-culture at their own farm with less cost.

Dr.S.B.Bellad, Sr. Scientist and Head, addressed the participants in his presidential remark, farmers can get more income by adopting improved technologies with low cost and farmers are urged to get solution related to field problems from our KVK scientist by asking their field problem. Later on, farmers are visited the varietal demonstration field at KVK, Campus. Three progressive farmers felicitated during the event and more than 52 farmers witnessed the program. The program was anchored and welcomed by Sri Sanjeevkumar Patil, Technical officer (Computer).



Field Day and Training Programme of ICM in Pigeonpea

Field day and training program of ICM in Pigeonpea was organized at ICAR- KVK, Kalaburgi-II (Raddewadgi) on 23.12.2021. Demonstration of plots of Pigeonpea varieties TS 3R, GRG -811, GRG-152 and BSMR-736.

Dr. S.B. Bellad, Sr. Scientist & Head explained about importance of selection of seeds and variety based soil and rainfall pattern.

Dr. Vikram Simha H.V. Scientist (PFE) explained different characteristics of Pigeonpea varieties TS 3R, GRG -811, GRG-152 and BSMR-736 in the demonstration plots.

Dr. Basavaraj Kadanavar Scientist (Agril. Entomology) explained about integrated crop management practices of Pigeonpea. 52 farmers were participated in the field day and discussed various problems pertaining to pigeonpea cultivation for higher yields.



ICAR-KVK, KANNUR

Capacity Building Programme on Profitable Dairy Farming and Livestock Management

As part of the capacity building of farmers through training programmes on profitable dairy farming and livestock management, training on Dairy Infertility Management was conducted from 20 to 22 December 2021 at KVK Kannur. Classes on Selection, Housing, Feeding and Breeding management and infertility management of dairy

cattle were handled by Sri. M. V. Jayan, Dairy Extension Officer, Edakkad. A field visit to a dairy farm was also conducted as a part of programme. Forty farmers/farm women participated in the capacity building programme.



Swachhta Pakhwada

Swachhta Pakhwada was celebrated from 16th to 31st December 2021 at KVK Kannur. As part of programme a session was conducted on composting techniques for Harithagramam beneficiaries of Chapparappadavu Panchayat on 16th December. Cleaning of KVK premises, awareness programmes on waste to wealth, demonstration of biobin etc. were done as part of swachhta pakhwada.



ICAR-KVK, KODAGU

Celebration of Kisan Diwas

ICAR-KVK, Gonikoppal organized Kisan Diwas on 23rd December 2021 in collaboration with the ATMA, Department of Agriculture, Virajpet taluk. The programme was inaugurated by Shri. S.C.Thimmaiah, Progressive farmer and Jagjivan Ram Innovative Farmer Award winner, Nalluru village, Kodagu District, in his inaugural address appreciated the efforts of the KVK team in imparting farm knowledge among the farming community in the District and shared his innovative farm experiences viz. Bamboo farming, Fish farming, Paddy mechanization to the participants. Shri. Veerendra Kumar K.V, SMS (Plant Protection), ICAR-KVK, Gonikoppal highlighted the importance of the day and coordinated the programme. During the programme a training programme on Scientific Bee keeping were also organised. Dr.R.N.Kenchareddy, Assistant Professor, College of Forestry, Ponnampet spoke Bee keeping as an income generation activities, types of bees and scientific management of colonies of honeybees. A demonstration was also conducted on management aspect of bee keeping. In the Ms. Mythri, Block Technology Manger, Ms. Likitha, Agriculture Technology Manger of ATMA, Seventy three farmers and farm women and department officials were present.



Capacity Development Programme on Scientific Piggery Farming

ICAR-KVK Gonikoppal, Kodagu organized capacity building training programme on scientific piggery farming on 24th December at Shirangali village, Somwarpet taluk and Surlabi village, Somwarpet taluk 27th December 2021.

Dr. Suresh S.C ,SMS (livestock) gave information on selection of pig breed, piglets feeding, housing, feed formulation, vaccination, health management and marketing of products. After the training an exposure visit to the progressive farmers Mr.U A Bheemaiah, Mrs.Anitha Mandanna from Shirangalli village and Mr.Biddappa G P, Mrs Subbamma from Surlabbi village was done to make the training more effective. A total of eight farmers participated in the programme.



Capacity Development Programmes on Backyard Poultry Farming

ICAR-KVK Gonikoppal, Kodagu conducted capacity building training programmes on Backyard poultry farming on 20th December at Sajjali village of Somwarpet taluk and 22nd December 2021 at Yadavanadu village, Somwarpet taluk. In the training program Dr Suresh SMS (livestock) gave information on selection of Giriraja chicks breeding methods, housing, feeding, mortality management in poultry farming. During the training an exposure visit to the progressive farmers J R Madhumani, J N Chandru from Yadavanadu village and Vishwanath, Ravi from Sajjali village unit was undertaken to make training more efficient. A total of eighty farmers participated in the programme.



ICAR-KVK, KOLAR

Organization of “Jai Jawan Jai Kisan” with theme “ Uttama Kheti- Unnat Kisan” during 23-24 December, 2021

ICAR- Krishi Vigyan Kendra, Kolar in Association with Krishik Samaja, Department of Agriculture, Kolar and Adventz Group of Companies has jointly organized National Farmer's Day-2021 on 23.12.2021.

The Associate Director of Extension (S) and Dean of COH, Kolar, Deputy Director of Agriculture, Assistant Director of Agriculture, Kolar, the Vice President and the General Manager of Adventz Group of companies have participated as Chief Guest of the function. Krishik Samaja District President inaugurated the programme and addressed the gathering about importance of Farmer's Day and recited the contribution of former Prime Minister Charan Singh towards upliftment of farming community and also advised the farmers to use advanced scientific knowledge in farming for sustainable agriculture.

Around 110 farmers from various villages of Kolar taluka participated in the programme. During the function five progressive farmers's were also facilitated for their achievements. All the participant farmers were distributed with kitchen garden seed kit and 1 kg 19:19:19 water soluble fertilizer.



ICAR - Krishi vigyan Kendra, Kolar in collaboration with Department of Sericulture, Bangarpet organized the training programme on “Management of key pests of mulberry through integrated approach for quality leaf production” as part of the nationwide celebration on 'National Farmers Day' on 23rd December, 2021 at

Muthanuru Village, Bangarpet Taluk. A total of 40 farmers were participated in the programme.

Another programme on 24.12.2021 was conducted in Shyagaturu Village and a talk was given on Importance of Balanced Diet in human nutrition. Around 35 farmers participated in the programme.



Bimonthly Workshop

ICAR-KVK, Kolar has organized bimonthly meeting for Department of Agriculture officials of the District on 21.12.2021. Scientists from UAS Bengaluru and KVK, Kolar have delivered lecture on Zero Budget Natural Farming (ZBNF), water and soil conservation techniques, Agro-Forestry System suitable for the district, importance of nano urea and apical stem cuttings in potato. Around 75 officials of KSDA, Kolar have participated in the workshop.



ICAR-KVK, KOLLAM

Vertical Column: A promising method to boost Black pepper production on rooftop

Mr. P.D. Yohannan (68) a veteran pastor from Kottarakkara taluk, Kollam district, Kerala, India has developed an innovative method to grow black pepper using a vertical column at his rooftop (Fig.1). The advantages of these methods help to utilize the rooftop space to boost pepper production in the country. Methods employ wire mesh vertical columns filled with potting mixtures to support plants instead of a tree. The major advantages are low disease and pest incidence with continuous flowering and fruiting throughout the year. He also compared the method with traditional planting methods on land.

The method results with a faster biomass growth and higher yields than the normal cultivation method. The one and half year-old plant has flowered profusely and first harvesting is currently carried out with an average yield of 1.0 to 1.5 Kg green pepper per column. His method is promising and can enable farmers to double their income by adopting this method. The technique can be a boost to pepper production in Kerala. The experts from KVK, Kollam, Pepper research station, Kannur (KAU) and agricultural department have emphasized the scope of the method and are planning to recommend the technique to adopt in other regions of the state by standardization and validation.

The method has been covered in several newspapers, online media and social networks. Rooftop pepper farming techniques using column method is a major attraction to farmers, media personnel, agriculture experts, officials from different grama panchayats and municipalities nowadays.

Krishi Vigyan Kendra, Kollam is instrumental in supporting Mr. Yohanan all sort of technological support for his pepper crop husbandry, documentation and validation of vertical column method. Recently his technique has been shortlisted for the final presentation in Rural Innovators Meet, 2021 organised by Kerala State Council for Science, Technology and Environment.

The entire document and support for his award presentation were done by Dr. Saroj Kumar V., Dr. Lekha M and Dr. Bini Sam of KVK, Kollam. The centre is planning to popularise the column method technique of pepper growing and get the support of Farmers' Innovation Fund from ICAR.



ICAR-KVK, KOPPAL

Celebration of National Farmers Day

ICAR-Krishi Vigyan Kendra, Gangavathi, Agricultural Department (ATMA) and Krishika Samaja in collaboration organized farmers day on 23-12-2021. Sri. Tipperudra Swamy inaugurated the programme in his speech he urged farmers use river water judiciously and suggested to grow alternate crop to paddy. In this programme Dr. Jagjivanram, Director, SC/ST cell UAS Raichur, Taluka Krishika Samaj president Sri. Channappa Malagi, Special Officer, Dr. Assistant Director of Agriculture Santosha Pattadakalla, Jambanna Ili, Progressive Farmers Sri Gadilingappa and Siddangouda were participated in the programme in this occasion sanjeevini Grameena Abiurddi SHG and Annapurneshwari Home Foods SHS members exhibited and sold value adder minor millet products and Handicraft material.



ICAR-KVK, KOZHIKODE

Entrepreneurship development on Oyster mushroom spawn production

Oyster mushroom is one of the top proffered and easy to cultivating type in Kozhikode district. It's spawn availability is a bottleneck for its large scale production. Household level mushroom spawn production capacity building programme was organized for three days with theory and practical on aspects like media preparation, media sterilization, preparation of pure culture, mother spawn and cultivable spawn.

They were also exposed to low cost laminar chamber, autoclaves, etc. Sixteen farm youths were benefitted by this programme and were supplied with second generation spawns for starting of immediate spawn production and sale.



Mobilization of Brackish water shrimp and fish farmers group

Field level capacity building on Fish Farming at National Aqua Farm Atholi Utilizing water available between coconut channels for fish production and proper management of coconuts in the bunds are best option to improve coconut based integrated farming in Kozhikode. A three days capacity building programme was organised with involvement of Chemenchery Panchayat, Kozhikode district. The programme was inaugurated by Panchayat President Smt. Sathi Kizhakkayil and presided by Dr P. Ratha Krishnan, Programme Coordinator, KVK, Kozhikode. Creating employment by culturing milk, fish, mullet, seabass, pearl spot etc in brackish water farms is the motive behind. Classes on bund cultivation of coconut palms, fish farming were conducted by KVK experts Dr. K.M. Prakash, SMS (Agronomy), and Dr B. Pradeep, SMS (Fisheries respectively). The farmers were also provided with On-farm experience at National Aqua Farm, Atholi, owned by Mr. Manoj, K.K, a progressive farmer and IARI, New Delhi National Award winner.



ICAR-KVK, MALAPPURAM

Demonstration of different crop geometry in chilli for cost reduction in drip irrigation

Installation of drip irrigation system was done in the farmer fields of Edayur chilli. This is done for different crop geometry for cost reduction of drip irrigation and water saving. Single row crops are provided with one lateral for each row and paired row planting one lateral for two rows. In case of single row planting one emitter of 4 lph per plant and paired row one emitter of 4 lph per two plants of adjacent rows was given. By adopting paired row system it is possible to reduce length of laterals and number of emitters considerably. Screen filter was also provided along with the system for effective filtration of irrigation water.



UNNATI - Capacity Development Programme for MGNREGS women group on nursery management

KVK Malappuram has conducted three day hands-on capacity development programme on nursery management for MGNREGS women group from selected blocks of Malappuram district from 20th December 2021 to 24th December 2021. The programme was organized as part of UNNATI scheme of MGNREGS for generating additional income for MGNREGS groups by improving their entrepreneurial skills. Hands-on sessions were conducted on various topics such as quality seedling production using pro-trays, care and management of seedlings, plant propagation techniques, modern irrigation techniques and advanced nursery structures, on farm compost

production techniques during the course respectively by Dr. Prasanth K. (SMS Hort.), Smt. Priya G. Nair (SMS Agrl. Engg.) and Smt. Prasanthi K. (SMS Agronomy).



Exhibition at Tirur as a Part of Karshakasangham

An exhibition was conducted in convergence with Karshakasangham Tirur from 20th -29th December 2021. Distribution of leaflets prepared by KVK on different aspects of agriculture production and processing, display of various exhibits of diseases of plants and sale of vegetable seeds and biocontrol agents were carried out.



ICAR-KVK, MANDYA

19th Scientific Advisory Committee Meeting

19th Scientific Advisory Committee Meeting of ICAR-Krishi Vigyan Kendra, V.C.Farm, Mandya was held on 29.12.2021 at KVK, V.C. Farm, Mandya. Dr.S. Rajendraprasad, Hon'ble Vice-Chancellor, UAS, Bangalore presided the meeting, Dr. N. Devakumar, Director of Extension, UAS, GKVK, Bangalore, Dr. M.J. Chandregowda, Dr. V. Kolekar, Nodal Officer under ATARI, Bangalore, Dr. S.S. Prakash, Dean (Agri.), V.C.Farm, Mandya, Dr. Venkatesh, Associate Director of Research, ZARS, V.C.Farm, Mandya, Dr. Raghupathi, Associate Director of Extension, ZARS, V.C.Farm, Mandya, Heads of KVK, Chamarajanagara, JSS Suttur, Hassan and EEU, Naganahalli and officials from all the line departments were present.

The Senior Scientist & Head welcomed the gathering and presented the proceedings and action taken on 18th SAC meeting subsequently the activities carried out during the year 2021-22 with respect to OFTs, FLDs, trainings and other extension activities, seed hub project, FPO, village adoption programmes, farm activities & Crop Cafeteria was also presented. The Hon'ble Vice-Chancellor suggested the KVK staff to formulate Farmer Producers Organization under One District One product scheme and Provide market linkages to women self-help group for value added products and popularize improved Jack fruit varieties. The Director of Extension told to create awareness programme regarding to Sugarcane trash management. The Director, ATARI suggested to propose FLD, OFT related to precision farming, drip irrigation and nutri-smart villages scientifically. Based on the interaction with the farmers present in the meeting suggestions were provided to carry out the activities in collaboration with the line departments for the upliftment of farmers.

On this occasion, 7 Folders and 1 technical bulletin was released



ICAR-KVK, MYSURU

District level Nutri cereals (Millets) workshop, millets exhibition and Farmers Day celebration

Under National Food Security Mission-2021, District level Nutri cereals (Millets) workshop, millets exhibition and Farmers Day were celebrated on 23 December 2021 at JSS College, Ooty road, Mysuru by Department of Agriculture, ICAR JSS Krishi Vigyan Kendra, Suttur, District Krushika Samaja, Mysuru, Institute of Agriculture Technologist, Mysuru, Dheen Dayal Upadhyay Koushal Kendra, JSS college Ooty road, Mysuru. Dr. Bagadi Goutam, Honorable District Commissioner, Mysuru and Sri A.M. Yogish, Chief Executive Officer of Mysuru jilla panchayath inaugurated the programme and launching the logo of International Year of Millets -2023. Dr. Bagadi Goutam, DC, Mysuru opined that nowadays people are aware about benefits of millets, but suitable market is not there for millets, so there should be good market facility for millets.



On the eve of Farmer's Day, 10 progressive farmers were felicitated by DC and other guests. Three technical bulletins related to millets health benefits, sustainable agriculture practices in millets, processing and value addition of millets were released.

Dr. B.T.Rayudu, Principal Scientist ICAR ATARI Zone -11, Bengaluru spoke that people are attracted towards junk foods like pizza, burger and other foods. There is lack of millets availability, which are suitable to get better health so awareness about availability of millets and value addition should be given. Mr. Kalmalli Shivakumar, President, District Krushika Samaja, Mysuru told that a greater number of farmers should cultivate millets, which require less water and other inputs. Dr. Mallikarjuna B. Hanji, Chief Technical Officer, ICAR ATARI Zone -11, Bengaluru said that India is the first in growing millets in the world and usage of millets is 40 per cent in the world and millets usage will increase in the future. Dr. M. Mahantheshappa, Joint Director of Agriculture, Department of Agriculture, Mysuru District, during the presidential remarks told that millets can be grown in less fertile land with less expenditure also talked about schemes related to millets and other crops. Dr. B.S. Soumyalatha, Assistant Professor, VC Farm Mandya, Mr. Mill Nagaraju, Millet Entrepreneur, H D Kote, Mr. Honnur, Prakash, millet growing progressive farmer, Honnur and Mrs. Jamuna Urs. were participated as resource person and gave information about millets cultivation, processing, value addition, marketing, and health benefits. In the millet exhibition, 20 stalls were exhibited by Farmers and entrepreneurs.

Mr. N.M. Shivashankarappa, Director (Horticulture), JSS Mahavidyapeetha, Mysuru, prof. B.V. Sambashivayya, Chief Executive, JSS college, Ooty road, Mysuru, Mr. K Rudresh, Deputy Director of Horticulture, Mysuru, Mr. S. Subramanya, Executive Officer, Akashavani, Mysuru, more than 350 farmers, staffs of agriculture department, ICAR JSS Krishi Vigyan Kendra, Suttur, JSS College, Ooty road Mysuru, students of College of Agriculture, V C farm Mandya and others were participated in the programme. Mr.K.Raju, Deputy Director of Agriculture, Mysuru gave introductory remarks

about the programme. Mrs. H.V. Divya, Senior Scientist and Head (I/C) welcomed the gathering, Mrs. G.H. Yogesh, Deputy Director of Agriculture gave vote of thanks and Mrs. Netravati Yattinamani, Home Scientist, ICAR JSS KVK Suttur mastering the programme.



Swachhtha Pakhawad Activities at ICAR JSS KVK Suttur

ICAR JSS KVK Suttur Mysuru has conducted various activities of swachhtha program in KVK campus and villages under Swachhtha Pakhawad program during 16-31 December 2021, the swachhtha program initiated by taking swachhtha pledge by involving KVK staffs, RAWE students of V C Farm Mandya, farmers at KVK campus followed by cleaning in office, maintenance of office records, cleaned KVK campus and educated farmers visiting KVK about demo units of vermicomposting and composting units, demonstration of waste decomposer at KVK campus, conducted 4 training, 3 awareness programs and 2 swachhtha marching in villages to create awareness about swachhtha among farmers.



ICAR-KVK, PALGHAT

Jai Jawan Jai Kisan Programme

KVK Palakkad celebrated KISAN DIVAS by organizing two seminars, three trainings, one goshti and one exhibition as part of 'Jai Jawan Jai Kisan' programme with theme "Uttam Kheti-Unnat Kisan" during 22 – 24th December, 2021. A total of 48 participants attended the seminar conducted at Mango city "Muthalamada" with topics focusing on Ecofriendly agricultural practices in mango". The seminar was inaugurated by Muthalamada Panchayat president Smt. Baby Sudha and officials from the Department of Agricultural Development and Farmers' welfare associated with the programme. Awareness programme for "Management of wild boar with simple mechanical repelling methods" was conducted in Muthalamada as a part of Kisan Goshti. National Kisan Diwas was conducted at KVK Palakkad which was inaugurated by Pattambi Municipal Chairperson Smt. Lekshmi Kutty Amma and an FPO, 'FARMNET' was felicitated for their outstanding marketing interventions. Sri. Unnikrishnana, the Managing Director of the FPC received the award. In addition, awards were distributed to the students of various schools and colleges who bagged prizes for mobile photography competitions (World Environment Day) and poster competitions (National Campaign on Agriculture and Environment). An exhibition was also conducted showcasing various ecofriendly technologies and value added products. Three trainings were conducted during the programme focusing on Organic manure production, ecofriendly vegetable cultivation and value addition of fruits and millets.



Institutional interventions to support Muthalamada mangoes

Muthalamada in Chittur taluk of Palakkad district, is known as the 'Mango city' of the State for its early mango harvest and large-scale export. Mango orchards spread over 4500 hectares of land in this grama panchayat sharing borders with Tamil Nadu. Mango growers took the orchards for lease for yearly basis and to earn maximum income from limited time span for export market, they apply chemicals non-judiciously in these orchards. An erratic, late flowering and fruiting as well as hopper and thrips incidence are affecting mango production in Muthalamada for the past two to three years mainly due to unseasonal rains because of climatic change. Good management practices are to be followed effectively to make these mango orchards fruitful in the coming years.

KVK Palakkad is conducting a special programme at Muthalamada on 'Production of safe to eat mangoes' with the intention to support mango farmers and popularize adoption of ecofriendly technologies in mango cultivation. A 6-day webinar series covering various aspects of mango cultivation was conducted by KVK Palakkad. Two offline training programmes were organized at Muthalamada by KVK Palakkad at the start of mango season to sensitize the farmers regarding adoption of ecofriendly technologies to boost production. Various technologies for flower induction, fruit retention and pest and disease management are being demonstrated in 8 plots in Muthalamada. The plots are being regularly monitored by a team of scientists from KVK Palakkad and RARS Pattambi. The programme has helped to create an awareness among farmers regarding the ill effects of unscientific practices and attracted many to good agricultural practices.



ICAR-KVK, PATHANAMTHITTA

Uttam Kheti-Unnat Kisan

As part of the programme “Jai Jawan Jai Kisan, KVK organized various programmes on the theme Uttam Kheti-Unnat Kisan. On 23rd December 2021 Kisan Diwas was organized at Kodumon Panchayat, an operational village of KVK. On the occasion, harvest Mela was organized. The harvesting of the Paddy Var. Manuratna was inaugurated by Sri. K.K Sreedharan, President, Kodumon Panchayat and was presided over by Sri. Thulasidharan Pillai, President, Parakode block. Dr. C.P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta delivered the key note address. Smt. Adhila S, Agricultural Officer, Kodumon Panchyat, Smt. Dhanya Devi, Vice President, Kodumon Panchayat and Sri. Roshan, ADA, Parakode block also spoke on the occasion. As part of Kisan Diwas, Kisan Goshti was conducted and on the occasion Mr. A.N, Salim Adhikarathil, an Innovative paddy farmer and Smt. Adhila S, Agricultural Officer, Kodumon Panchayat were felicitated for their dedication and commitment in promotion of innovative technologies in Kodumon Panchayat. As part of the programme, Soil Health cards were also distributed to the farmers of ward 8 (Manacad) of Kodumon Panchayat, which were collected using Grid method. The programme was attended by Smt. Veena George, Hon. Health Minister, Kerala. On the occasion Sale of value added products in the Eco shop under Dept. of Agriculture Development and Farmer's welfare and branded rice “Kodumon Rice” was also launched.

KVK also organized Seminar on the topic “Scope of Mushroom farming”, Exhibition and Training programmes on the topic “Organic farming and Eco friendly technologies” and “Egger Nursery Management” for the farming community in the district.



Nutri-garden Programme To Bridge The Nutritional Gap In Women And Children

KVK, Pathanamthitta launched the Nutri-garden programme for bridging the nutritional gap in women and children in Koipuram village in the district. A total of 120 families from 12 Anganwadies in the village covering 185 women and 210 children below the age group of 15 years benefitted from the programme. During this Covid pandemic period, it is observed that many of the Anganwadi households are mainly dependent on food supplements received from PDS system, which is deficient of fresh fruits and vegetables. Hence to insure optimum nutrition for these families, an exclusive household package with microgreen kit was distributed among the selected families. The microgreens, a nutri-packed greens ensures nutritional security with little investment and effort in terms of time and energy. The beneficiaries were also given training regarding cultivation and use of microgreens. To inculcate the concept of Clean India, under Swachhta action plan (SAP) of Govt. of India, portable waste decomposing unit was also given to the selected 12 Anganwadies.



ICAR-KVK, RAICHUR

Field Day on Chilli

Field day on chilli crop and Demonstration of Solon dryer was held at Jakkaladinni village Sirwar taluk.

Smt. Hemalatha K.J., Scientist (Horticulture) have explained the farmers regarding the control measures to be taken for next sowing season and seed treatment method for chilli. Presently farmers were facing *Anthraco* in chilli, to avoid the same disease in future farmers need to follow the control measures like seed treatment and use of fungicides.

Dr. S.N. Bhat Scientist (Soil Science) suggested farmers to go for crop rotation to avoid the diseases and explained about importance of Soil and Water testing.

Smt. Veena T., Scientist (Processing & food Engineering) demonstrated the use of Solon dryer to dry the chilli instead of traditional unhygienic method of dryer to dry on mud. Solon dryer save the time and drying and labour cost, on this technology helps in faster drying and less labour requirement. Suggested to go for installation of solon dryer from their existing Sri Bhattada Basaveshwar, Farmer Producer Organization of Jakkaladinni village.

Farmers of Jakkaladinni village were benefitted from this programme and more those 30 farmers were present.



ICAR-KVK, RAMANAGARA

District Level Workshop on “One District One Product –Coconut Products”

ICAR-Krishi Vigyan Kendra Ramanagara, in Collaboration with KAPPEC Bengaluru, Zilla Panchayath Ramanagara, Department of Agriculture and Department of Horticulture, Ramanagara organised District Level Workshop on “One District One Product on Coconut Products” on 29.12.2021 at Conference hall, Zilla Panchayath Ramanagara. The programme was inaugurated by Dr. Rakesh Kumar, Honourable District Commissioner, Ramanagara, in his inaugural address he highlighted the importance of PMFME scheme and ODOP and also urged more number of farmers/small entrepreneurs to get benefits from the scheme. Guest lectures were delivered by Dr. Chethana, Senior Technical Officer, CFTRI, Mysore on topic “Coconut Value addition and CFTRI Technologies”; Dr. K.B. Suresh, Assistant Professor, UAS (B) on topic “Food Processing, Value addition and Entrepreneurship Development”; Mr. Abhishek, District Resource Person, PMFME Scheme, KAPPEC on topic “PMFME Scheme, One District One Product” and Mr. Swami, M.S., Director, Canara Bank on topic “Importance of Entrepreneurship Development at Rural Level”. Exhibition was organised where machine manufacturers and small food processing entrepreneurs exhibited their products. More than 150 farmers participated in this programme and were benefited.



ICAR-KVK, SHIVAMOGGA

Information on celebration of National farmer's day 2021

Under the auspices birthday of the fifth Prime Minister of India, Shri Chaudhary Charan Singh the ICAR-Krishi Vigyan Kendra, Shivamogga, Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences, Shivamogga, and Karnataka state Department of Agriculture (ATMA), Shivamogga celebrated the Farmers' Day on 23rd December 2021. Dr. B. C. Hanumanthaswamy, Senior Scientist and Head, KVK Shivamogga has given the primacy address on National Farmers Day celebration on December 23rd of every year to commemorate the birthday of the fifth Prime Minister of India, Shri Chaudhary Charan Singh. Speaking on the program he explained the remarkable contributions of Shri Chaudhary Charan Singh, to the farming community in particular, to support the farmers, implement the Zamindari Eradication Act and benefited the peasantry. Dr. M. K. Naik, Vice Chancellor, Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences Shivamogga, along with other guest inaugurated the function and given inaugural speech on by paying tribute to the Shri Chaudhary Charan Singh, and said that the Government's recognition of the best farmers today has helped to create a new spirit among the farmers. He called for greater emphasis on organic farming, reducing the use of chemical fertilizers to maintain soil fertility and increase the yield. He given greater emphases for post harvest and value addition in agriculture in order to sustain the economic status of the farmers. He also called on farmers to become self-reliant and engage in non-agricultural activities with agriculture to become economically strong. Dr. M. Kirankumar, Joint Director of Agriculture, Department of Agriculture, Shivamogga in his presidential address said that farmers have the advantage of establishing various crop federations and selling farm produce directly to seed, fertilizer, pharmaceuticals and markets without allowing intermediaries. The government has been buying food grains with higher MSP in this year and

advised the farmers to take advantage of it. He also said that non-agricultural activities such as sheep, poultry and rabbit farming together with agriculture could generate year round income. In the programme Dr. R. C. Jagadish, Dean (Agri.), College of Agriculture, Shivamogga, Dr. S. U. Patil, ADE, Shivamogga and Shri. M. Yatheesh, Manager, Lead bank, Shivamogga were also participated as Guests. Dr. G. K. Girijesh, Professor, Department of Agronomy, College of Agriculture, Shivamogga participated as resource person and delivered the lecture on "Integrated farming system" with aims to raise awareness of the importance of maintaining healthy ecosystems and human well-being by encouraging societies to improve sustainable health through efforts to tackle adverse conditions. He also emphasized to how to double the farmer's income by adopting IFS models. Dr. Pradeep Gopakalli, Technical officer, GKMS, ZAHRS, Shivamogga also participated as a resource person and delivered the lecture on "Climate based smart agriculture". During the programme, farmers-Scientists interaction was held. Participated farmers were taken to KVK demonstration plots to show the different types of cropping patterns, soil and water conservation techniques, and intercrops. Totally, 185 farmers, farm women, rural youth were participated in the programme.



Entrepreneurship development programme on preparation of pineapple candy

ICAR-Krishi Vigyan Kendra, Shivamogga organised three days on campus entrepreneurship development programme on "Preparation of value added products of pineapple" from 07-12-2021 to 09-12-2021. During the programme, Dr. Jyoti M. Rathod, Scientist (Home Science), KVK,

Shivamogga, explained about importance, nutrients and value-added products of pineapple. The practical session was conducted on preparation of value added products of pineapple viz., pineapple candy, jam, squash, juice and fruit salad. Prepared products were tasted by the participants. Totally 20 SHG women participants were attended and benefitted from this entrepreneur development programme.



ICAR-KVK, THRISSUR

Swachhtha Pakhwada from 16th to 31st December 2021

Swachhtha Pakhwada celebrations commenced on 16th December with Swachhtha oath being taken by the staff of Krishi Vigyan Kendra. Dr. Ani. S Das, Associate Professor and Director of Centre of Bio resources, Kerala Agricultural University administered the oath. As a part of the fortnightly celebrations, a campus cleaning programme was conducted at Krishi Vigyan Kendra, Thrissur on 18th December 2021 in collaboration with the National Service Scheme unit of College of Agriculture, Vellanikkara. The event also met the purpose of orienting the BSc. Agri (Hons) students about the various activities of Krishi Vigyan Kendra, Thrissur and gave them the opportunity to be a part of the same.



“Uttam Kheti Unnat Krishi” Programme

As part of the “Uttam Kheti Unnat krishi” programme a training on “Eco-friendly Pest Management in Banana cultivation” was organised by the institution on National Farmer's Day (23rd December 2021). Dr.Gavas Ragesh, Assistant Professor, Banana Research Station, Kannara, Kerala Agricultural University was the resource person. Around 30 farmers participated in the event.



Covid-19 Awareness Programme

ICAR- Krishi Vigyan Kendra, Thrissur became the venue of the play “*Iniyum Parayanullathu*” a venture to spread awareness on covid protocols and cleanliness. The project “Covid Awareness Pogramme” headed by Smt. U. Najeema, PI, NCSTC, is a DST funded programme and was conducted in collaboration with Vimala College, Thrissur.



ICAR-KVK, TRIVANDRUM

Friends of Coconut Tree Training Programme (FoCT) for Empowering Coconut Consultants in Thiruvananthapuram District.

Coconut is a major crop cultivated in Kerala. Though Kerala is known as the “Land of Coconuts”, farmers face the problem of low productivity to a large extent primarily due to lack of proper crop management practices. Another problem faced by the farmers is the non-availability of skilled labourers to harvest the mature coconuts in time. The wages of these labourers are also very high.

To address these problems, Coconut Development Board organizes six days' vocational training programme named “Friends of Coconut Tree” in association with Krishi Vigyan Kendras in Kerala. The main objective of the training programme is to train and develop rural youth in the usage of manually operated coconut tree climbers for undertaking various crop management practices for adult palms.

Coconut Climber

An innovative farmer from Kannur district, Mr. M.J Joseph *alias* Appachan, faced with the problem of labour shortage in harvesting the coconuts even a decade and half ago. He tried with various techniques and developed a device which he named as coconut tree climber.

The palm climber consists of two metal loops for holding the legs. It has a handle at the top for hand grip and a pedal base at the bottom. The loops are put around the tree trunk. The loop on either side is lifted up by the simultaneous movement of hand and foot. By such alternate motion, one can climb a coconut tree with ease.

Using this climber; the climbing time for a 40 m tall coconut palm can be reduced to 1-2 minutes in comparison with the usual 4-5 minutes through traditional method.

Technical Specifications:

- * Dimensions of the equipment: 116 X 34 X 13 (cm)
- * Applicable for tree diameter of 15-32 cm
- * Material: Iron / mild steel frame, steel wire rope and rubber pad.
- * Weight: 7.9 kg (Iron body)

ICAR - Krishi Vigyan Kendra, Mitraniketan, Vellanad had taken up the responsibility of conducting the training programme in a systematic way. The practical oriented training was coordinated by two experienced Master Trainers in this field.

Training Module

The training programme would necessarily commence at 07.00 am with yoga classes which included practical sessions and exercises to warm up their bodies for easy climbing of coconut trees. This would be followed by breakfast including a specified nutritious diet. Practical training on coconut tree climbing was imparted to the trainees during morning and evening hours. From 11:30 am to 2:30 pm they would attend to various technical sessions handled by concerned subject experts. The sessions covered different varieties of coconut, coconut planting methods, nursery management, manuring & nutrient management, inter cropping in coconut gardens, identification of mature & tender coconuts and recycling of palm wastes. They were also exposed to various irrigation techniques, pest and disease management, crown cleaning and value addition in coconut. Special emphasises was given to first aid, social security, insurance, pension & provident fund, thrift savings and leadership development.

On the last day, an exposure visit to Coconut Research Station, Balaramapuram was arranged, which gave them an opportunity to interact with scientists regarding recent developments in coconut cultivation for up scaling the productivity.

ICAR-KVK, TUMAKUR-I

Celebration of Farmers Day & Field Day on Pigeon Pea at Shivaramanahalli

The trainees were overwhelmed on the last day, when they participated in a unique sports event named as “Coconut Olympics”. In this event, various sports activities related to this training programme including an event to find out the fastest coconut climber were conducted. In addition to this, a technical examination was also conducted to test the knowledge gradient of the trainees.

On successful completion of the training programme, the trainees were awarded with certificate and a coconut climber. This coconut climber would serve as an initial asset for their livelihood. According to the feedback from the participants, the serious unemployment scenario during COVID-19 pandemic would be alleviated to a large extent, at least among the families of these “Friends of Coconut Trees” through this noble vocation.

ICAR Krishi Vigyan Kendra, Mitraniketan, Thiruvananthapuram had been conducting FoCT programmes since 2010. KVK has trained and mobilized coconut consultants in Thiruvananthapuram district to address all the issues related to coconut cultivation, management and harvesting strategies. The current year's batch consisting of 20 participants underwent this training programme from 06/12/2021 to 11/12/2021. The programme was properly documented and published in all various newspapers and telecasted in all leading TV channels.

ICAR Krishi Vigyan Kendra, Mitraniketan, Thiruvananthapuram places on record our sincere gratitude to the Coconut Development Board for supporting such a vocational training programme which is indeed the need of the hour.

ICAR- KVK Tumkur-1 organized “National Farmers Day-2021” & “Field Day on Pigeon pea” at Shivaramanahalli, Tiptur taluk on 23rd December 2021 under climate smart agriculture programme of Department of Ag'l Extension in collaboration with AICRP on pigeon pea UAS, Bangalore. The programme was inaugurated by Dr. Indraprakash Singh, Project Coordinator, IIPR, Kanpur, UP. The chief guests are Dr. Shivalingaiah, Professor of Ag'l Extension, Dr. Lohithashwa Pigeon pea Head and Dr. V. Govinda Gowda, Senior Scientist and Head, KVK, Tumkur-1. Sri Shivanna and Mallesh Farmers leaders were also participated. 60 farmers participated in the programme. The crop seminar on Pigeon pea was organized. Dr. Keshava Reddy, Entomologist and Dr. Srinivasa, Pathologist conducted the crop seminar. Field day pigeon pea crop organized in Mallesh field where 60 farmers witnessed the growth status of the crop. On the eve of Farmers day Essay competition was organized for college students on “Importance of Agriculture in Rural Development. Totally 15 students participated in the essay and 4 prizes were distributed.



Final year B.Sc (Hons.) Agriculture student placement in KVK under student READY programme

Under student READY programme the final year B.Sc (Hons.) Agriculture students of UAS, Bangalore was placed in ICAR- KVK Tumkur-1 for the duration of 05 days. Totally, 60 students were placed in KVK in 02 batches from 20th to 24th December and 27th to 31st December 2021. Intensive practical exposure was provided to the students. Dr. Govinda Gowda V., Senior Scientist & Head of KVK oriented the students on KVK genesis, mandates and objectives. The SMS of KVK trained the students on diagnosing the pest & diseases of nutrition garden establishment, soil sampling and its analysis of different farm lands, campaign on Swachata Pakwada and also participated in essay writing competition on the occasion of Swachata pakwada and farmers day.



ICAR-KVK, TUMAKUR-II

Sponsored Training Programme on "Awareness/Sensitization program on Indian Standards relevant to agriculture and food department"

ICAR-Krishi Vigyan Kendra, Hirehalli, Tumakuru in collaboration with Bureau of Indian Standards, Bengaluru organized "Awareness/Sensitization Program on BIS Activities, eBis & Quality Control Orders Relevant to Food and Agriculture Department" @ *Bharat Ka Amrut Mahotsav* on 30th December 2021.

The programme started with ICAR-IIHR, Theme Song, and Welcome by K.N.Jagadish, Subject Matter Specialist Agril.Extension.

Dr. Loganandhan, N., Head in his introductory address, stressed that the key emphasis is needed for BIS in Agriculture Sector for achieving the 5 trillion-economy dream of our Honourable Prime Minister of India Narendra Modi Ji. Agriculture is the backbone of economic system of a country and food is one of the most essential requirement for human life. BIS through Food and Agriculture Department (FAD) formulates Indian Standards for food, feed, agricultural equipment, and systems covering the entire food supply chain. The government of India is very much keen to develop a quality culture and quality consciousness across the country and standards/Standardization plays an immensely significant role in this direction.

Shri Amit Roy, Director of BIS, Bengaluru highlighted the importance of BIS in Food and Agriculture Department. The major activities of BIS are Formulation of Indian Standards, Certification of various Products with standard mark (popularly known as ISI Mark), laboratory testing of various products as per Indian standards, Management Systems Certification and Hallmarking of Gold & Silver, Foreign Manufacturing Certification Scheme, Compulsory Registration Scheme for electronic products. Other important activities of BIS include conducting promotional activities, imparting training to corporate entities/individuals, Standardization quality system, and Quality and management system certification apart from other allied services. In this area, a total (FAD)2100 Indian Standards have been formulated. During Shri Amit Roy, Director Presentation in English was translated to Kannada by K.N.Jagadish for the benefit of farmer participants.

Smt. Shivangi Rai, Standards Promotion Officer briefed about how to use BIS website and BIS Care android App which is developed by Bureau of Indian Standards (BIS) Ministry of Consumer Affairs, Food & Public Distribution Government of India is the National Standards Body.

About 58 participants attended along with KVK officials, Agriculture related manufacturers, Developing farmers, SHGs, NGOs and dealers of farming equipment.

The awareness programme was organized as a part of the “*Bharat Ka Amrut Mahotsav*” to commemorate 75 Years of India's Independence. The Programme was coordinated by Dr. Loganandhan, N, Head & K.N. Jagadish SMS Agril. Extension. Finally, a vote of thanks by Smt. Shivangi Rai, Standards Promotion Officer, BIS, Bengaluru.



ICAR-KVK, UDUPI

Live Telecasting of Shri. Narendra Modi's Speech on Natural Farming

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Indian Council of Agricultural Research, New Delhi, ICAR- Krishi Vigyan Kendra Brahmapur, Zonal Agricultural and Horticultural Research Station, Brahmapur, Agricultural Diploma College, Brahmapur and Natural Farming Scheme Brahmapur has organized live telecasting programme of Hon'ble Prime Minister, Shri Narendra Modi, regarding Natural Farming (Zero Budget Natural Farming) at Krishi Vigyan Kendra, Brahmapur.

Shri. Raghavenendra Rao, Uppooru, State Committee Member, Organic Farming Scheme, Govt. of Karnataka has inaugurated the programme.

Dr. Lakshmana, Associate Director of Research, ZAHRS, Brahmapur presided over the programme. In his presidential speech he highlighted about importance of Natural Farming.

Dr. Sudhir Kamath K V, Principal, Agricultural Diploma College, Brahmapur, Dr. B Dhananjaya, Senior Scientist & Head, KVK Brahmapur, Dr. M Shankar, Senior Farm Superintendent, ZAHRS, Brahmapur. Kumari Navya, District Manager, NRLM, Udupi and Kumari Jayananda, Young Professional, Zilla Panchayath, Udupi were Chief Guest of the programme.

Dr. Jayaprakash R, Scientist (Soil Science) welcomed the gathering Dr. Sunil Kumar, Research Associate, Natural Farming, Brahmapur did vote of thanks. Dr. Sachin U S, Scientist (Plant Protection) has co-ordinate the programme.



Jai Jawan Jai Kisan

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences Shivamogga, ICAR-Krishi Vigyan Kendra, Brahmapur, Department of Agriculture Udupi, Uppooru Vyavasaya Seva Sahakari Sangha Ltd, Uppooru has organized “Jai Jawan Jai Kisan” with theme “Uttam Kheti-Unnat Kisan” on 23.12.2021 at Uppooru village, Brahmapur Tq, Udupi dist.

Shri. Sooryakanth Biradar, Deputy Director of Agriculture, Department of Agriculture, Udupi inaugurated the programme by lighting the lamp. He started his inaugural speech by remembering Indias 5th Prime Minister, Shri Choudhari Charan Singh and his contribution to uplifting of farmer and also about farmers Acts. He called upon the farmers to establish vermi compost pits for effective utilization of farm waste.

The programme was presided by Shri. N Ramesh Shetty, President, VSSN, Uppooru.

In his presidential speech praised the contribution of farmers who are giving bread and butter to the nation and also the jawans who are safeguarding the nation at the borders. He has briefed the farmers about 3 percent interest loan available in the VSSN Bank for agricultural purposes.

Dr. B Dhananjaya, Senior Scientist & Head and Dr. Sachin, Scientist (Plant Protection), KVK Udupi participated as resource persons and briefed the farmers about importance of organizing this programmes and highlighted the theme of this year “Uttam Kheti-Unnat Kisan” by quoting the success stories of DFI village farmers success stories to the gathering and also briefed the farmers about the plant protection measures to be taken during rabi season for effective management of pest & diseases in agriculture & horticulture crops.

The same programme was also organized at Krishi Vigyan Kendra, Brahmavar and also at Kanyana village, Vandse hobli, Kundpaura Tq. Total 165 farmers were participated in three events organized by ICAR-KVK Udupi.



ICAR-KVK, UTTARA KANNADA Skill Training For Rural Youth on “Bee keeping”

ICAR- Krishi Vigyan Kendra, Uttara Kannada Sirsi, Karnataka in association with National Institute of Agricultural Extension Management (MANAGE), Hyderabad organized six days Skill training for Rural Youths (STRY) from 13.12.2021 to 18.12.2021 for 15 unemployed rural youths/ farmers/ farm women of Uttara Kannada district. During inaugural session, progressive youth bee keepers :

Shri Sandesh Bandekar and Shri Ganesh Naik from Ankola Tq expressed that bee keeping not only gives money but also happiness. Both are maintaining around 500 colonies of *Apis cerana indica* successfully. They have evolved a new concept of “LIVE HONEY”. During honey flow season (April- May), one day is scheduled for extraction of honey in front of customers, which will help in building good rapport.

Sessions on practical classes were given more importance than theory. In this context, exposure visit were arranged to progressive bee keepers units: Shri. Madhukeshwar Hegde Targod on Honey bee byproducts and value addition, Shri Santosh Hedge Hakkalamane and Shri Vinay G. T, Gerusoppa on colony dividing, Shri Venkataramana Hegde Tookadabail on bee box preparation, Shri Thimmanna Bhat Donagar on foundation sheet preparation and Shri Shankar Bhat Ummachagi on successful bee keeping in limited space. Ayurvedic doctor from Sirsi, Dr. Ravikiran Patwardhan explained about adulteration in honey and easy identification methods. Theoretical lectures were arranged on bee biology, behavior, flora, role of bees in pollination, natural enemies of bees etc. During Valedictory session, Dr. Manju M. J., Sr. scientist and Head distributed the certificates and stressed on commercial bee keeping for higher benefits. The programme was organized by Dr. Roopa S. Patil and Dr. Shivashenkaramurthy, M.



Skill Development Programme on Horticulture Crop Nursery and Goatery

Six Days Skill Development Training Programme was organized at ICAR-Krishi Vigyan Kendra, Uttara Kannada, Sirsi on Horticulture Crop Nursery and Goat Rearing under ARYA Project



ICAR-KVK, VIJAYAPURA - I

(Attracting and Retaining Youth in Agriculture) from 15th to 20th December 2021. The inauguration function was organized on 15.12.2021 at Auditorium, College of Forestry, Sirsi. Dr. Manju M. J, Senior Scientist and Head, Krishi Vigyan Kendra, Sirsi, highlighted on importance and benefits of skill development training programme. With the help of the training and benefits of project interested participant can become entrepreneurs by practicing horticulture crop nursery and goat rearing as successful entrepreneurship. Dr. Ranganath G. J., Scientist (Animal Science) Krishi Vigyan Kendra, Sirsi, emphasized on ARYA guidelines, importance and implementation of the project. The training programme was inaugurated by Dr. P. S. Hugar, Assistant Director of Extension, UAS, Dharwad and encouraged the youths to develop entrepreneurship in agriculture fields and ARYA project is one of the scheme to build entrepreneurs in nursery and goatery. Shri. Nataraj T. H., Deputy Director, Department of Agriculture, Sirsi, told about One District One Product (ODOP) and opportunities of entrepreneurship, availability of various schemes and facilities from the Department of Agriculture. Shri Sateesh Hegde, Senior Assistant Director of Horticulture, Sirsi, expressed that Uttara Kannada district is one of the major spice growing places and one can build up entrepreneurs by practicing spice plantation crop nursery. Dr. R. Vasudeva, Professor, College of Forestry, Sirsi, emphasized that arecanut crop nursery is more profitable and can promote employment generation. Total 50 Participants were attended and benefited from the programme. Vote of thanks by Shri. Harish D. K., Scientist (Horticulture) Krishi Vigyan Kendra, Sirsi.



Efficient use of Solar Energy to save Electricity

A training programme was organized at Krishi Vigyan Kendra, Vijayapur on “BEE (Bureau of energy efficiency) star labeled energy efficient pump sets and water conservation” to the farmers of Vijayapur district sponsored by Karnataka renewable energy development limited, Bengaluru. The programme began with the introductory remarks by Dr.Shubha.S, Senior Scientist and Head, Krishi Vigyan Kendra, Vijayapur. The programme was inaugurated by Dr.R.B.Belli, Associate Director of Extension, AEEC, Vijayapur. In his inaugural speech Dr.Belli advised farmers to make use of natural recourses judiciously. Excess use of water in the form of flood irrigation is leading to salinity of soils and also wastage of electricity. He also advised the farmers to make efficient use of micro irrigation systems in their farms. Wastage of resources can be saved if each one of us takes the responsibility to save the energy. Another chief guest of the programme Dr.M.Y.Teggi, Professor and Head, College of Agriculture, Vijayapur suggested the audience to begin saving of energy from home itself. Habits need to be inculcated in children from young age itself to avoid wastage. He also mentioned solar and wind energy needs to be used to save electricity. Further lectures were delivered on energy efficient pumpsets and electricity saving in different irrigation systems by Dr. Ramesh Beerge and Dr. Umar farooque Momin. The programme concluded with the vote of thanks by Dr. Amruthraj Patil. Dr.S.B.Devaranavadgi, Rtd Dean, Agriculture College, Vijayapur was present on the occasion. Dr.Vivek Devaranavadgi welcomed the participants. Mr. B.C.Kohlar anchored the programme. Dr.Prema Patil, Mr.S.N.Hotkar and Mr.S.C.Rathod were present on the occasion. Nearly 114 farmers participated in the programme.



ICAR-KVK, VIJAYAPURA - II

Scientist (Plant protection) visited OFT field on problem entitled “management of wilt in lime” at DFI village Manankalagi on 16.12.2021. Based on the result group discussion among farmers was made and farmers were suggested to apply neem cake and FYM along with bio-agents *Trichoderma* and *Pseudomonas* twice a year for the management of wilt in lime.



Field day conducted on management of citrus canker and leaf miner by Scientist (Plant protection) at DFI village Manankalagi on 22.12.2021. On this day farmers were trained about the management practices for citrus canker and leaf miner. As the incidence of leaf miner in citrus increases, the amount of citrus canker bacteria multiplication also increases leading to increase in citrus canker disease. Hence the farmers were suggested to control the major pest and disease in citrus viz., citrus canker and leaf miner which reduces the yield and market value in citrus.



Field day conducted on redgram variety GRG-811 by Senior scientist and head at DFI village Manankalagi on 22.12.2021. Farmers were trained about cultivation practices and management of pest and diseases in redgram. Also farmers were suggested to use variety GRG-811 wherever irrigation facility is available as the variety is high yielding and tolerant to dry root rot and SMD.



Promotion of use of BEE star labelled energy efficient pump-set and water conservation

A awareness program on Promotion of use of BEE star labelled energy efficient pump-set and water conservation was held on 29.12.2021 in collaboration with the Karnataka Renewable Innovative Development Limited, Bangalore. Dr. R. B. Negalur, senior scientist and head, KVK Indi spoke on the importance of energy saving and urged the farmers to utilize this training programme. The programme was inaugurated by progressive farmers Mr. S.T. Patil, Nada K.D. village and Mr. Muddugowda Patil, Bhataganaki Village. Dr. Udaya Patil, Department of Electricity, B.L.D.E.A. Technical College, Vijayapura Explained about the stated standards of the organization. Dr. R. A. Nandagavi, Scientists, R.A.R.S. Vijayapur, spoke on soil conservation methods in agriculture. Dr. Umar Momina Farooka, Scientist, R.A.R.S, Vijayapura explained the use of solar energy in agriculture. Then Dr. Savita B. Scientist (Soil Science), KVK, , Indi discussed on management of saline soil.



ICAR-KVK, WAYANAD

Joined hands with Nestle, Nestea and Choladi for organizing capacity building programme to tea growers

Krishi Vigyan Kendra Wayanad and Nestlé India Ltd. jointly organised a five day agriprenurship programme for tea farming community with reference to livelihood enhancement. This programme was an example of public private partnership and Dr Allan Thomas, Head of KVK stressed the need of more convergence with industries like NESTLE. In the Special address that was given by Sri. P. Muthukannan, Assistant Manager, Nestle India Ltd., he assured KVK of more such programmes under the component of Corporate Social Responsibility. Classes were dealt on different aspects like production technology in tea and intercropping in tea garden, IPM & IDM in tea, importance of Agri Entrepreneurship and agribusiness development and marketing strategy. Field visits to progressive farmers were also conducted. In the concluding session, certificates were distributed to the trainees by Sri. Sukumaran K, Senior Manager, Nestle India Ltd. The one week training programme will help the tea farmers to scientifically manage the crops with less usage of chemicals and to earn additional income through intercropping and value addition. Dr. Indulekha V. P, Dr. Deepa Rani C.V, Dr. Safia N.E, Ms. Ashitha M.R, Scientists of KVK, Dr. Radhika N .S, Scientist of College of Agriculture, Kasaragod and invited experts from Tea sector handled the sessions.



Distribution of goat kids to tribal farm families under Tribal Smart Village Adoption Programme

KVK Wayanad, distributed goat kids to tribal farm families of Ambalavayal village under Tribal Smart Village Adoption Programme, through the Kudumbashree Mission (Wayanad). The programme was conducted in convergence with AICRP on Forage Crops, RARS (SZ), Vellayani and Kudumbasree mission. Presidential address of the programme was given by Dr. Allan Thomas, Programme Coordinator, KVK Wayanad. The programme was inaugurated by Dr. Jayasree Krishnankutty, Director of Extension, KAU. Dr. Roy Stephen, Associate Director of Research, RARS (SZ), delivered the special address. Dr. Usha C Thomas, Associate Professor and Head, AICRP on Forage crops and utilization, distributed goat kids to the tribal families. Vote of thanks was rendered by Dr. Deepa Surendran, Assistant Professor, KVK.



ICAR-KVK, YADGIR

21 days Training Programme on “Strengthening of socio-economic status of rural youths through fruit crops propagation method under Covid-19 situation Yadgir district”

ICAR-KVK, Yadgir organized training programme on Strengthening of socio-economic status of rural youths through fruit crops propagation method under Covid-19 situation in Yadgir district on 20.12.2021.

The Programme was inaugurated by Dr. D.M. Chandaragi, Director of Extension, UAS, Raichur. He advised rural youths that farming is now in demand and Horticulture propagation became profitable venture. Dr. Amaresh Y.S. Senior Scientist & Head, Yadgir suggested the youths to get advantage of this training and KVK, Scientist has adopted the plant production method for rural youths that we need to improve their economic status.

Sri. Ramesh Bhat, NABARD, D.D.M, Yadgir explained the about the plan and their implementation that will get from NABARD organization. Sri. Iguli Bhajaballi D.D Dept. of Animal Husbandry, Dr. Santhosh Sheshalu, Assistant Horticulture Director gave information and benefits from their department. Sri. Basanagouda, President of Sheep & Goat farming company, Sri. Satishkumar Kale briefed about the advantages and effective utilization of the programme. The Scientists KVK, Yadgir, Dr. Kotresh Prasad narrated the training programme and vote of thanks by Sri. Guruprasad. H and other staff members were present along with total 40 number of rural youths were participated and got benefited from the training.



National Farmers Day/ Kisan Diwas on 23rd December, 2021

ICAR-KVK, Yadgir organized training programme on National Farmers Day/Kisan Diwas on 23.12.2021. Hon'ble Chaudhary Charan Singh, served as the 5th Prime Minister of India his birthday was celebrated as National Farmers Day on every year. He was prime minister for the short

term, Dr. Amaresh Y.S. Senior Scientist & Head, Yadgir recalled Chaudhary Charan Singh ji implementation of many plans towards farmer's welfare schemes. Progressive Farmer's Sri. Basavaraj Desai, Geddalamari, Kodekal Taluk adopted 20 Acre integrated farming system and he has grown all types of fruit crops and different breeds of cattle in dryland and another Progressive Farmer Sri. Amarappa Sahukar Angadi has grown single cotton mono crop, got higher cotton yield in 200 Acre, total 2500 Qt worth nearly 2.5 crores in cotton crop and became role model for the farmers in the surrounding areas. In this event both the Progressive Farmers were honored in the Kisan Diwas and they shared their experience in farming system. The Scientist of KVK, Yadgir, Mr. Satishkumar Kale narrated the programme and vote of thanks by Mr. Guruprasad. H and other scientist Dr. Kotresh Prasad, Shreedevi, Dr. Shilpa, Amateppa, Hanamantha staff members were present along with total 35 farmers participated successfully.



Happy New Year 2022



May this year bring new happiness, new goals, new achievements, and many new inspirations to all. Wishing you all a year fully loaded with happiness.



Mangalore



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