



Vol 01, Issue 11, 01-15 December 2021

# KVK TIMES

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



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

**Keladi Shivappa Nayaka University of Agricultural and  
Horticultural Sciences, Shivamogga**

**ICAR – KRISHI VIGYAN KENDRA, Chitradurga  
Babbur Farm, Hiriyr - 577 598.**



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ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ

**Keladi Shivappa Nayaka University of Agricultural  
and Horticultural Sciences, Shivamogga**



**Dr. M.K. Naik**

Ph.D. (IARI), PDF (ICRISAT), FBF (USA) FNAAS, FNBS, FPSI

**Vice Chancellor**

### FOREWORD

I am extremely glad to know that ICAR - Krishi Vigyan Kendra, Chitradurga is bringing out the eleventh issue of "KVK TIMES". The idea of CAR-ATARI Bengaluru in bringing out "KVK TIMES" is an innovative way to throw light on activities and success stories of 48 KVKs carried out over 15 days under Zone XI. The KVKs continuously work for farmers and rural agriculture. Most of the technologies are developed in laboratories but in order that the technologies reach the farmers, the role of KVKs is very crucial. KVKs are the down-to-earth institution enormously working for the research institutions and its transfer to the farmer's fields. Thus, KVKs serve as the "light house" for the overall rural development in the district. KVKs are functioning on the collaborative participation of scientists, extension workers and farmers to increase self-employment opportunities. I feel that the scientific community should have continuous interaction with farmers through their scientific teams. A good synergy between the research institutes, farmers and KVKs along with the local administration is crucial for development of farm sector. I appreciate the team of ICAR-KVK, Chitradurga for their genuine concern and great service to the farming community and wish that their efforts will benefit the farmers in upgrading their livelihood.

I am delighted to convey my best wishes to ICAR-KVK, Chitradurga which has got its name for adopting IFS model, 4 FPO's, including "Best KVK Extension Scientist Award" to Senior Scientist and Head by KSNUAHS, Shivamogga and "Plant Genome Saviour Farmer's Award" at national level to its contact farmer. A special word of appreciation to KVK on "farmers' participatory onion seed production" programme under seed village concept which was a unique approach changing the lives of the farming community at national level. I wish that this issue of "KVK TIMES" should stimulate the minds of all those involved in teaching and learning. I congratulate ICAR-KVK, Chitradurga in bringing out a valuable document during first fortnight of December, 2021.

**Dr. M.K. Naik**  
Vice Chancellor



# KVK TIMES

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

5 DECEMBER 2021

## World Soil Day

Halt soil salinization,  
boost soil productivity



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Keladi Shivappa Nayaka University of Agricultural  
and Horticultural Sciences, Shivamogga



**Dr. B. Hemla Naik**

Ph.D. (Hort), PGDH (Israel), Lng Ag Edn(USA)

Director of Extension & Professor (HAG)

### MESSAGE

Krishi Vigyan Kendras (KVK's) were of national importance because they help to accelerate agricultural production while also improving the socioeconomic conditions of the farming community. The portal's goal is to effectively transfer the technologies developed by the agricultural scientists to the farmers. Documentation of various activities carried out by KVK's is an important task in this direction, as it will aid in the advancement of sustainable agricultural technologies. ATARI, Bengaluru has made a distinct effort to publish the activities and success stories of various KVK's. This would serve as a quick reference for important milestones reached in the zone. I wish all the KVK's to work hard for great success and thereby make a dent in their respective districts by effectively serving the farming community.

My heartfelt gratitude goes to ICAR-KVK, Hiriyr for assembling the activities of KVK's under Zone XI and scripting this issue of "KVK TIMES".

**Dr. B. Hemla Naik**

Director of Extension & Professor (HAG)



### ICAR - Agricultural Technology Application

#### Research Institute, Zone XI

MRS, HA Farm Post, Hebbal,  
Bengaluru - 560 024



**Dr. V. Venkatasubramanian**  
Director

### MESSAGE

The contribution of agriculture extension system in growth of Indian agriculture is formidable and KVKs are the major contributors of agriculture knowledge and resource centers across the country. The concept of KVKs in each district throughout the country has helped in reaching the technologies to the farmer's door steps and its effective implementation has led to enhanced production and productivity.

KVK sare producing quality technological products (seeds, planting material, bio-agents, livestock) and make it available to farmers, organize frontline extension activities, identify and document selected farm innovations and converge with ongoing schemes and programmes based on the mandated activities of KVKs. Value addition to field crops especially nutri-millets and horticulture produce hold the key to sustainable income in near future and KVKs should focus on imparting such viable skills to the farmers in their jurisdiction and should take it forward with a proper market linkage.

I congratulate the team of KVKs of Zone XI for documenting farmers' oriented activities in KVK times and wish them a great success. My best wishes are with ICAR- KVK, Chitradurga for editing and compiling 1<sup>st</sup>-15<sup>th</sup> December, 2021 issue of 'KVK TIMES'.

**Dr. V. Venkatasubramanian**  
Director



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**Keladi Shivappa Nayaka University of Agricultural  
and Horticultural Sciences, Shivamogga**



**Dr. Onkarappa S.**  
Senior Scientist & Head  
ICAR - KVK Chitradurga

### ACKNOWLEDGEMENT

It is indeed my privilege to compile and edit the eleventh issue of 'KVK TIMES' for 1<sup>st</sup> fortnight of December, 2021 as this includes the mammoth achievements of KVKs of Zone XI. My profuse thanks to ATARI, Bengaluru for giving us this opportunity. I acknowledge with sincerity, the constant propitious abutment and auspices we receive from our Honorable Vice Chancellor, Dr. M.K. Naik, Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences (KSNUAHS), Shivamogga in carrying out our KVK activities and his constant incitement to serve the farming community to the best of our abilities.

I pay my deep sense of thankfulness for diligence support showed at each step of compilation by Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru which made us to bring out this issue with expedite. I would like to extend my profound gratitude to Dr. D.V. Srinivasa Reddy, Principal Scientist and nodal officer of our KVK, ATARI, Bengaluru, Dr. M. J. Chandre Gowda, Principal Scientist, ATARI, Bengaluru, Dr. B.T. Rayudu, Principal Scientist, ATARI, Bengaluru, Dr. K. Thimmappa, Principal Scientist, ATARI, Bengaluru, Dr. D.V. Kolekar, Scientist, ATARI, Bengaluru and Dr. Mallikarjun B. Hanji, Chief Technical Officer, ATARI, Bengaluru for their constant support to move positively during execution of all our activities.

I am obliged to our beloved Director of Extension, KSNUAHS, Shivamogga Dr. Hemla Naik and Associate Director of Extension Dr. S.U. Patil, for their incessant support for our KVK.

I wish to thank all my fellow colleagues of KVK family of Zone XI in sharing the valuable tasks in time which they carried out in past fortnight for the benefit of the farming community. My heartfelt thanks to my entire team of ICAR-Krishi Vigyan Kendra, Chitradurga for their continual support and valuable suggestions for effective emanate of this issue. My sincere thanks to Mr. Ganganna of Sneha Prints, Bengaluru for timely design of newsletter.

**Dr. Onkarappa S.**  
Senior Scientist & Head  
ICAR : KVK Chitradurga



**Shri Vedamurthy**

K.R. Halli, Hiriyur Tq., Chitradurga District,  
Mobile : 9449629516

**A Successful Farmer, Innovator by  
Adopting Integrated Farming System**

Shri Vedamurthy S/o Timmanna is a successful farmer innovator of K.R.Halli, Hiriyur Tq, Chitradurga District-577 511. He is having total of 25 acres land with indivisible family size of 13 members and involved in agriculture as passion and became role model for fellow famers of his village. Among his total land 15 acres is under irrigated conditions and 10 acres in dry land farming. He is growing mainly agriculture crops like Finger millets, Jowar, Maize, sunflower, redgram, green gram and black gram and horticulture crops like Pomegranate, papaya, watermelon both commercial and contract farming for seed production, red chilli, tomato. In dry land farming cultivating cashew, forest species like *Meliadubia*. Apart from this he is also successful in dairy farming, goat farming and ornamental fish culture.

Total of his 25 acre growing tomato (2 acres), watermelon and muskmelon (5 acres), red chilli (2.5 acres), pomegranate (3000 plants), papaya (5000 plants), rose (1 acre), cashew (1 acre), milltes (3 acres), groundnut (2 acres), HF cross breeds as dairy farming (5) and goats of 13 numbers. All along the bund grown forest tree species as Teak (25 No.) Hebbevu (30 No.), lime (10 No.), Ramphal (1 No.), Butter fruit (1 No.), Guava (5 No.). For fodder purpose he is growing super Napier and fodder sorghum in one acre. He established concrete lines farm pond with

fertigation techniques systems. He is successful entrepreneur in commercial vegetable seed productions by contact farming with MNC companies and pulse seed production with agriculture department and NSP with UASB. Due to his farm innovations developed vegetable seed extractor, raised bund farmer, engine operated power weeder. He is earning annual income of more than Rs.10 lakh from agriculture and allied sectors of his farm.

Due to his significant contributions in the field of agriculture he is honoured with many awards. He attended 2007 international agriculture educational tour to China by GOK, 2013 UAHS “Best Farmer Award” of Chitradurga District, 2014-15 state level “ShreshtaKrishika award” from department of agriculture, GOK, 2018 “VK Super Star” farmer award from Vijaya Karnataka press, 2017-18 “Farm innovator” by SKDRDP, 2018-19 Plant genome saviour farmers award by protection of plant varieties and farmers' rights authority, GOI, NewDelhi. He is also actively involving as recourse persons in various training programmes, Radio/TV programmes etc. having immense knowledge in the field of agriculture inspiring many farmers in the districts.





**Smt. Sumathi**

Vani Vilas Pura, Hiriyur taluk, Chitradurga District,  
Mobile : 8197595072

### **A Farm Women Succeeded By Value Added Products**

Smt. Sumathi P., W/o R. Shanmugam, Vani Vilas Pura, Hiriyur taluk, Chitradurga district, owned 20 acres of land in which she is cultivating horticultural crops like coconut, arecanut, banana and tube rose, agricultural crops namely finger millet, jowar, little millet, browntop millet, foxtail millet and horsegram, forestry crops viz., silver oak, teak, sandalwood and green leaf manuring crops like neem and pongamia. She has also efficiently adopted subsidiary farming viz., goat and sheep rearing, poultry and cattle rearing. Being a contact farm woman of ICAR - Krishi Vigyan Kendra, Chitradurga, she is also involved in the preparation of value added products from millets and marketing them with a brand name of “ATMA home made”.

The important value added products preparing by her are ragi malt, ragihurhittu, siri malt, dosa mix, chakkuli, nippattu, kodubale, laddoo and mixture from millets, herbal coffee powder, sesamumchikki, coconut hair oil and coconut oil soaps. She is selling the products to retail shops of Chitradurga district, inorganic melas and also trading to different places other than Karnataka namely Jaipur (siri malt and ragi malt) and Chennai (all products). She has been marketing these products through facebook link ([www.tfunboxenterprises.com](http://www.tfunboxenterprises.com)). Under “One district One product”, she is preparing groundnut chikki, roasted peanuts and groundnut laddoo for competing at international level.

She bagged various awards namely “Sadhane Raitha Mahile” by ICAR-KVK, Hiriyur, in 2016-17, “Shreshtha Raitha Mahile” at taluk level under ATMA project, Dept. of Agriculture, Hiriyur in 2018-19, “Pragathipara Raitha Mahile” from Kavirananda Mahavidyalaya, Chitradurga in 2018-19 and “Shreshtha Raitha Mahile” by Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga in 2020-21. In addition to this, Women and Child Development Department, Chitradurga honored her team as “Athyuttama Shreshtha Gumpu” in 2018-19.

She has been in continual contact with ICAR-Krishi Vigyan Kendra, Chitradurga since 2015. She is gaining technical knowledge from the scientists of KVK and also undergone various training programmes on value addition. She is earning the annual income of Rs. 35,25,000/- from agriculture sector and value addition.



## World Soil Day

“World soil day” was celebrated on 5<sup>th</sup> December, 2021 at Haligondanahally, Challakere taluk by ICAR - Krishi Vigyan Kendra, Chitradurga. The programme was inaugurated by pouring water to the plant by the Chief guest Mr. Manjunath M.J., Marketing Manager, Mangala Chemicals and Fertilizers, Chitradurga, Dr. Jyothi T.V., Scientist (Soil Science), ICAR - Krishi Vigyan Kendra, Chitradurga, Sri Pratap Reddy, ATM, ATMA project, Dept. of Agriculture, Challakere, Sri Vijay, consultant, Dept. of Agriculture, Challakere taluk and progressive farmers of the village namely, Sri Rudramuniyappa, Sri Eranna and Sri Anjanappa. Mr. Manjunath briefed the importance of fertilizers and soil conditioners in improving the soil productivity. Dr. Jyothi T.V., explained the importance of celebrating world soil day and theme of soil day of 2021 - Halt soil salinization, boost soil productivity. She addressed the farmers on adverse effects of saline soils and their management, importance of soil health, balanced nutrition and soil fertility. The scientist educated the farmers to improve the soil fertility by adopting integrated nutrient management for sustained crop yield. Sri Rudramuniyappa explained about the benefits of adopting integrated farming system and organic manures. At the end, Dr. Jyothi and Mr. Manjunath interacted with the farmers. Eighty three farmers and farm women were participated in the programme.



ICAR – Krishi Vigyan Kendra, Chitradurga

## ICAR – Krishi Vigyan Kendra Alappuzha

### Alappuzha conducted RAWE-KVK Module for students of KAU

Final year B.Sc. (Agri.) students from different agricultural colleges under Kerala Agricultural University have undergone RAWE KVK-Module in three batches at KVK-Alappuzha during Oct-Dec, 2021. The final batch comprising of fourteen students attended the KVK Module during 4-8<sup>th</sup> December 2021. The participant students gained knowledge on the different KVK activities and were given hands on experience on how to do training need analysis, training content development and conduct of training. With KVK support, the students organized an online training on 'Micronutrient management in important crops', which served as a new learning experience to them. Visit to KVK farm and interaction with KVK SMSs gave them a new insight on field application of technologies which they missed due to the pandemic situation.



## World Soil Day

The message of 'Halt soil salinization, boost soil productivity' by following 'good agricultural practices to maintain healthy soil for a healthy society' was conveyed in the 'World Soil Day celebrations' organized by the ICAR-Krishi Vigyan Kendra –Alappuzha at Edathua Grama Panchayath.

Smt. Mariamma George, President of the Grama Panchayath inaugurated the programme and distributed soil health cards to 30 farmers. A seminar on 'Enhancing farmer's income through boosting soil productivity' was conducted by Dr. K. Sajnanath, Subject Matter Specialist, on the occasion.

An online awareness programme was also organized to mark the occasion of World Soil Day. Dr. P. Muralidharan, Head, KVK highlighted the importance of the focal theme of the celebration in the present scenario. The final year B.Sc. (Ag.) students of College of Agriculture, Vellanikkara, Kerala Agricultural University physically participated the programme. A total of 85 farmers and 15 students attended the programme.



### Method Demonstration on use of Arka Microbial Consortium

Method Demonstration on use of Arka Microbial Consortium (AMC) for management of wilt in betel vine at Honnakatti Taluk was taken by ICAR-KVK, Bagalakote Scientists on 06-12-2021. Dr.Sudha S Scientist (Plant Pathology) and Dr.Airadevi P A Scientist (Horticulture).



ICAR – Krishi Vigyan Kendra  
Bagalakote

### World soil Day and Women in Agriculture Day

A programme was organised by KVK Bagalkot at Kelavadi village of Badamitaluk on 5.12.2021 in collaboration with Dept. of Agriculture highlighting the importance of world soil day and women in agriculture day. Sri Siddappa Anagdi Sr. Technical officer (Soil science) explained in detail about soil testing facilities available with KVK, method of sampling and fees to be paid



ICAR – Krishi Vigyan Kendra  
Bengaluru Rural

### Five days On-campus training programme on management of solid waste

In collaboration with Mahathma Gandhi Rural Fuel and Development centre and Department of Rural Development and Panchayath Raj, Government of Karnataka organised five days On-campus training programme on “**Management of Solid Waste**” from 29-11-2021 to 03-12-2021 to farm women at ICAR-Krishi Vigyan Kendra, Bengaluru Rural District

The programme was inaugurated by Smt. Shanthi, MJRD, Bengaluru and Smt. Lakshamma, Secretary, Pavithra Rural Development Society, Nelamangala participated as Chief Guest for the programme and given introductory remarks about the training programme and highlighted the importance on management of solid waste.

Different topics viz., Renewable energy resources and their conservation, Segregation of dry waste and wet waste, management of biogas unit, disposal of dry waste, Vermi composting, Nutri garden, disposal of sanitary napkins, Pipe composting etc. were discussed during the training programme and Field visits were also arranged to Ghatigoshala, bio gas units, Waste disposal units etc. Total 30 Farm women were benefitted from the programmes.



### Training Programmes under ARYA Project

ICAR-Krishi Vigyan Kendra, Bengaluru Rural District organized two six days training programmes on “Bee keeping and improved agronomic practices and mechanization in coconut crop” under ARYA project to create interest and confidence among rural youth in agriculture in the month of December 2021.

The programme was inaugurated by Dr. A.P. Mallikarjuna Gowda, Senior Scientist and Head, KVK, Bengaluru Rural District. He highlighted the objectives of ARYA (Attracting and Retaining of Youth in Agriculture) project and role of youths in agriculture.

During Bee keeping skill training programme Scientists explained about importance of honey bees, diseases of honey bees, management of honey bee colony and production of honey. Market linkage was given to the trainees. Hands on training on examining bee box, transformation of colony, management of bee hives, harvesting and extraction was given to the trainees.

In Coconut climbing skill training programme, Scientists explained about the Coconut Production technology, Planting, Insect and Disease management and Nutrient management etc. Hands on training was given on Coconut climbing, crown cleaning and disease management and trainees practiced skills of coconut tree climbing by using coconut climbing machine.

40 Rural youths were benefitted from the two skill training programmes conducted under ARYA project. The required implements and equipments were provided to all trainees to make them entrepreneurs.



### ICAR – BIRDS Krishi Vigyan Kendra Belagavi - 1

### Agripreneur Training for Physically Challenged group

ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 undertaken 60 days vocational training for partially disabled group on “Acquisition of skill to become an agripreneur” in collaboration with association of people with disability, Belagavi (APD) and Belagavi

Integrated Rural Development Society, Naganur (BIRDS) is 2<sup>nd</sup> batch. The Objective of this training programme was to educate various agricultural and allied sectors related enterprises and to develop skill to become an agripreneur. Training programme was laid out based on the interest of groups with above objectives. In order to motivate the group training was instituted by discussing the scope, importance and economics of the various agricultural enterprises that suits them.

Imparting skill through various activities like Vegetable seedlings production, plant propagation techniques (Cuttings, Gratings and Layering), UHDP Guava and Mango cultivation, Powder making from fresh Turmeric, Banana flour preparation (BAKAHU), Soybean processing, home level processing and value addition techniques in fruits and vegetables, Goatry and Poultry management, Fodder cultivation, Compost production, Organic farming practices, Ornamental fish rearing and also crop production practices are discussed on their interest. Based on the motive of the training programme, above enterprise activities were carried out and skills imparted. This programme gives them a confidence to earn better livelihood independently with technical support from KVK scientists and APD, Belagavi which facilitate the financial linkage from various Government and non-Government agencies in order to make the group agripreneur.



## Placement of UAS-Dharwad students under student ready programme

This programme comprised of 3 weeks visit to KVK, KVK farm and KVK demo unit followed by 1 week visit to ARS-Kallolli. Thirty seven students of B.Sc. Agriculture and Marketing from College of Agriculture, Dharwad were involved in multi-disciplinary work at KVK in theory and practical mode. This program taught the KVK activities regarding Agriculture, Horticulture, Plant Protection, Fisheries, Animal Science, Home science and Soil Science. The major activities like nursery management (grafting, potting, vegetable seed sowing etc.), seed production and processing unit, goatry, poultry, soil testing, kitchen gardening and fisheries activities were carry out during 21 days programme. Conducted presentation and script writing for students on current agriculture issues, Govt. schemes, Research trends in agriculture, start-up programs and developing enterprises in agriculture etc.. This program taught the practicality in agriculture and farmer friendly science.



ICAR – KLE Krishi Vigyan Kendra  
Belagavi - 2

## Award for Soybean seed production activity

ICAR - KLE Krishi Vigyan Kednra, Mattikoppa has received award for soybean off-season seed production activity by ICAR - Indian Institute of Soybean Research (IISR), Indore during 35<sup>th</sup> Foundation day of the IISR. KVK has taken up off

season seed production programme in farmer's participatory mode for the varieties NRC-130, NRC-128, NRC-136, NRC-142, NRCSL-1, KDS-726, KDS-753, DSb-34, DSb-21 and DSb-23 for supplying quality seeds on time to the farmers of the district and other states of the India. The award was honoured in virtual presence of Dr. Tilak Raj Sharma, Deputy Director General (Crop Science) and special guest Dr. Sanjeev Gupta, ADG (Oil seeds and Pulses). The award was facilitated by Shri D. N. Pathak, Executive Director, Soybean Processing Association of India (SOPA), Dr. Nita Khandekar, Director, ICAR-Indian Institute of Soybean Research, Indore and the programme was presided over by Dr. R. R. Hanchinal, Former Chairman, PPV & FRA, Govt. of India, New Delhi and Former Vice Chancellor, UAS, Dharwad and award was received by Shri B. R. Patil, Chairman, ICAR-KLE Krishi Vigyan Kendra, Mattikoppa and Mrs. Sridevi B. Angadi, Senior Scientist and Head, ICAR-KLE Krishi Vigyan Kendra, Mattikoppa.



### Seventh Scientific Advisory Committee Meeting

The VII Scientific Advisory Committee (SAC) meeting of ICAR-KLE KVK, Mattikoppa was held on 02 December 2021 under the Chairmanship of Shri B. R. Patil, Chairman, ICAR-KLE KVK, Mattikoppa. Meeting was started with welcome by Mrs. Sridevi B. Angadi, Senior Scientist & Head and Member Secretary, SAC of KVK.

Shri B. R. Patil, Chairman, ICAR-KLE KVK, Mattikoppa called up on to start the meeting as per the new guidelines received from Director, ICAR ATARI, Bengaluru. Mrs. Sridevi B. Angadi presented the action taken report on the suggestions made in the previous SAC, the progress of work done during last year (November 2020 to November 2021) and also presented the action plan for the year 2022-23. Dr. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru initiated the discussion along with the ICAR institute (ICAR-IGFRI, Regional Centre, Dharwad), line department officials (Dept. of Agriculture, Dept. of Horticulture, Dept. of Sericulture, Dept. of Fisheries, Dept. of AH & VS, Dept. of Women and Child Welfare) and farmer/farm women for improving the action plan presented by the KVK as per the needs of the district.

After detailed discussion Dr. P. S. Hugar, Associate Director of Extension (HQ), UAS, Dharwad finalized the action points to be taken up by the KVK during next year and presented before the committee. The programme was ended with vote of thanks delivered by Shri S. M. Warad, Scientist (Soil Science), ICAR-KLE Krishi Vigyan Kendra, Mattikoppa.



### ICAR – Krishi Vigyan Kendra Calicut

### KVK joins with district Kudumbashree mission to promote Agri-nutri gardens

Agri-nutri gardens is an innovative concept by KVK and District Kudumbashree Mission, Kozhikode to promote homestead level vegetable cultivation and there by making the district

**Cha - Seri district sericulture Farmers' Producers Organization (FPO) inauguration**

self-sufficient and nutri-smart. Data showed that the per capita consumption of vegetables is about 50 g per day against the recommended intake of 300 g. More over the cost and risk of pesticide residue post added threats. In this context, the present programme was taken up by ICAR-KVK, Calicut in association with district *Kudumbashree* mission to increase production as well as year round nutritional security among farm families through these establishment nutrition gardens in every household. About hundred women master trainers were selected by *Kudumbashree* mission from all the block Panchayaths of the district and they were trained by KVK on establishment of nutrition garden and its management, kitchen waste management and production of organic manures and organic pest and disease management in nutrition gardens. Such trained master farmers/trainees were also started training to beneficiary farmers as technical support to from all the Panchayaths to promote vegetable cultivation. Initial seed material was provided by KVK and further assistance will be given by *Kudumbashree* mission. KVK will provide all the technical support to the programme as and when needed. The programme was inaugurated by distribution of seed material Dr.J.Remana, Director, ICAR- Indian Institute of Spices Research, Kozhikode and led by Dr.P.Rathakrishnan, Programme Coordinator, KVK, Calicut. Dr.C.K.Thankamani and Dr.R.Praveena of IISR, Kozhikode, Dr.P.S.Manoj, Dr.K.M. Prakash and Dr.K.K.Aiswariya of KVK, IISR led the technical guidance.

In its continuation, nutri-garden establishment by sowing of vegetable seeds was also formal inaugurated by SmtJameela, District Panchayath Development standing Committee Chairman at Village Korachundu with the presence of Smt. Kavitha, DistrictKudumbasree Mission Coordinator, Kozhikode.

ICAR - KVK, Chamarajanagara took initiation to launch district sericulture FPO on 04-12-2021 at Kurubarahundi village, Gundlupetetaluk, Chamarajanagara. This FPO works at district level to meet the needs of Sericulture farmers of the Chamarajanagara district. This FPO is the result of ASCI Sericulturist training programme organized by ICAR - KVK, Chamarajanagara [4 batches (85 farmers, rural youth and women): 2018 - 2021].

Sri Shivaraju. K.P, Progressive Sericulture farmer of the district was unanimously nominated as Chairman of the FPO. Along with him 14 directors representing all the five taluks of the district were nominated by the gathered farmers.

Cha-Seri FPO will meet regularly on 2nd Saturdays every month at different Sericulture farmers' fields wherein, the information on new technologies, problems faced by the sericulture farmers were addressed.

Dr.ChandrakalaHanagi, Senior Scientist and Head, ICAR - KVK, Chamarajanagara and Dr.Shivasubramanyam, Joint Director, Region Sericultural Research Station, Chamarajanagara inaugurated the FPO. Dr.Chandrashekhar. S. Kallimani, Scientist (Sericulture) and Yogesh. G.S, Scientist (Soil Science), ICAR - KVK, Chamarajanagara were present. Sri.Nanjundaswamy, GramaPanchayath member, Sri.Shayana, Technical Assistant, RSRS, Chamarajanagara and Mr.Srinivas, Sericulture inspector, DoS, Gundlupete were present on this occasion. 70 Sericulture farmers were participated in this programme.



### World Soil Day : 'Halt soil salinization and boost soil productivity'

ICAR - Krishi Vigyan Kendra, Mudigere, Chickamagaluru celebrated 'World soil day' with the slogan '**Halt soil salinization and boost soil productivity**' at KVK, premises on 05.12.2021. The programme was inaugurated by Dr. Krishnamurthy, A.T., Senior Scientist and Head, KVK, Mudigere, in his inaugural speech briefed about the importance of the World soil day and raised awareness regarding the importance of maintaining healthy ecosystems and human well-being by addressing the growing challenges in soil management, soil salinization and importance of soil analysis. The programme was witnessed by Dr.Girish.R., Scientist (Plant Protection), Dr.Satheesh.N., Scientist (Home Science) and Mr.Vinayaka, Mahatma Gandhi grameenaindhana and development foundation.

Dr. Dhanalakshmi, D., Soil Scientist, KVK, Mudigere, briefed annual soil loss in agriculture, the importance of soil health management, Integrated nutrient management, techniques of soil sample analysis. The programme was associated with Mr.Kiran, M.R., Scientist (Horticulture), Shabnum, P.S., Scientist (Agrometeorology). Total of 36 Farmers were actively participated in this programme.



### Field Day on Maize

Dr. Tanweer Ahmed Scientist (Agricultural Extension) participated as resource person in field Day on Maize organised by Department of Agriculture, Gudibande Taluk on 09.12.2021 and explained about scientific cultivation practices in Maize. Dr. Chandra Kumar, Deputy Director of Agriculture and Mrs. Salma, Assistant Director of Agriculture explained about the National Food Security Mission. Thirty farmers were participated in the programme.



### Method demonstration on spray of Mango special

Mango being the important crop in the district, method demonstration on spraying of mango special in mango was organised by KVK, Chikkaballapura at Marinayakanahalli village of Chintamanitaluk on 09-12-2021. Mrs. Sindhu Scientist (Horticulture) explained about the role of micronutrients in improving the flower to fruit ratio and importance of mango special spray in mango to increase the yield.



**Entrepreneurship Development in value addition of fish for livelihood improvement**

ICAR - Krishi Vigyan Kendra, Dakshina Kannada initiated entrepreneurship development programme at Bettampadi village of Puttur Taluk. Smt. Anitha, a progressive tribal farm-woman started the preparation of value-added fish products. A demonstration on various value-added fish products like, prawn chutney, fish chutney, pickles were prepared. 37 farmers from the locality participated in the demonstration and various other farmwomen are taking up the value addition of fish marketing in the large scale with the formation of groups. Since various other products are being prepared under ODOP in various parts of the district the Bettampady village entrepreneurs are concentrating on fish and shrimp chutney mainly as it is an essential part of the meal in the coastal region. Various fish outlets in Bangalore have expressed the interest in marketing of chutney powder as the demand for the same is increasing and can be a major market for the new women entrepreneurs. Fish chutney Under ODOP, marine fish products preparation and marketing from Dakshina Kannada is popularizing various products such as fish rings, soup powder, hair oil from fish, fish papad, fish chakkuli etc.



**Off- campus training program on Bengal gram**

ICAR - Taralabalu KVK conducted the off-campus training program for NFSM - CFLD Bengal gram farmers at Kaledavarapura, Jagalur taluk. Mr. Mallikarjuna B.O., SMS (Agronomy) provided the information on nipping technology and nutrient management and Dr. Avinash T.G., SMS (Plant Protection) explained IPM management against pod borer in Bengal gram and Method demonstration on installation of pheromone traps. ADA and AO, department of Agriculture Jagalur participated in the program.



**Field day on Maize + Redgram**

ICAR - Taralabalu KVK conducted the field day in Maize + Redgram at DFI village Agasanakatte under frontline demonstration activity. Mr. Mallikarjuna B.O.,SMS(Agronomy) and Mr. H.M. Sannagouda participated in the field day and interacted with farmers and enlighten the significance of intercropping in Maize ecosystem. Also created the awareness on the seed production of pulses on the occasion of BharathAmurthMahotsava.



## Celebration of World Soil Day 2021

World Soil Day was celebrated by ICAR-KVK, Dharwad on 05-12-2021. The programme was inaugurated by Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad. To begin, he stated that all life begins and ends from the soil, explained about the world soil day theme for 2021 that is “Halt soil salinization, boost soil productivity” and the effect salt-affected soils have serious impacts on soil functions, such as in the decrease in agricultural productivity, water quality, soil biodiversity, and soil erosion at global level. Salt affected soils reduce both the ability of crops to take up water and the availability of micronutrients. Few ions in salt-affected soils concentrate that are toxic to plants and may also degrade the soil structure in long run, by growing the fodder crops and trees all along bunds and over the farm ponds, crop rotation, mulching, using organic manures *etc.*, soil fertility can be restored. Dr. Praveen Goroji, Senior Technical Officer, KVK, Dharwad delivered lecture on the importance of World soil day as soil is critical component of natural system and a vital contributor to human being, he raised awareness by addressing the loss of soil health due to soil salinization, preserving top soil and soil conservation methods. About 125 Farmers, Diploma Students, Group of students from GKVK, UAS, Bengaluru who visited the KVK as part of South India Tour and Staff of ICAR-KVK, Dharwad were participated in the programme.



## Vocational skill training on Scientific Dairy Farming for rural youths

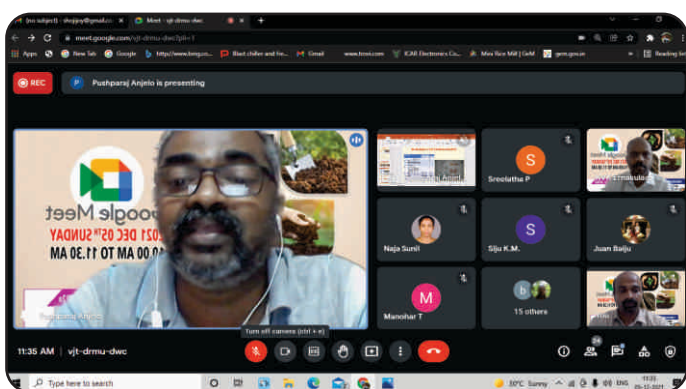
One week skill training on Scientific Dairy Farming for rural youths was organized from 29-11-2021 to 04-12-2021 at ICAR-KVK, Dharwad. On the day of training, participants were pre evaluated for their knowledge on dairy farming by setting up the questioner. During the training programme various topics like importance of dairy animals in integrated farming system, breeds, selection of animals, A1 & A2 milk, identification of heat and breeding, major green fodder cultivation practices, prevention and control of disease, housing system, waste management, maintenance of registers and project report preparation, also facilities, insurance, schemes in bank and department of Animal Husbandry and Veterinary Services were taught. Method demonstrations on azolla, vermicompost, dry fodder enrichment and silage preparation were demonstrated to trainees. Field visit to progressive dairy farmer was also planned. After the training, post evaluation was done and certificates were distributed to the participants. Totally 15 participants participated in the training programme.

40 Rural youths were benefited from the two skill training programmes conducted under ARYA project. The required implements and equipments were provided to all trainees to make them entrepreneurs.



### Celebration of World Soil Day 2021

The KVK Ernakulam celebrated World Soil Day by conducting awareness programme on **Climate change and Soil health management** on 5<sup>th</sup> December, 2021. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) conducted a session on Scientific soil health management followed by video presentation on How to collect soil samples and session on Soil Collection Techniques for soil testing by Shri. F. Pushparaj Anjelo, Subject Matter Specialist (Agricultural Extension). Progressive farmers, school students and KVK staff were participated in the programme.



### Scientific advisory committee meeting

33<sup>rd</sup> Scientific Advisory Committee Meeting of KVK, Gadag was held on 4<sup>th</sup> December, 2021. Dr. L.G. Hiregoudar, Senior Scientist and Head welcomed the Honourable Members of SAC and presented the Action taken report on the suggestions given by members in previous SAC meeting. He also presented overall achievement of mandated programmes implemented by KVK. He briefed the proposed Action plan for the next year. Interaction and discussion with SAC members was held for finalising KVK deliverables in terms of mandated programmes

for next year. Dr.B.T.Rayudu, Principal Scientist, ICAR-ATARI, Bengaluru virtually participated and provided the valuable suggestions. Dr.Sripad Kulkarni, Nodal Officer for KVKs of UAS, Dharwad participated and gave valuable suggestions. Shri G.C.Koravanavar, Honorary Secretary of KVK's Host Organisation chaired the meeting. District Officers of various Line Departments, Scientists from ARS Annigeri, AEEI, Gadag, Progressive Farmers and Women Entrepreneurs participated in the meeting.



### Celebration of World Soil Day 2021

KVK celebrated World Soil Day on 5<sup>th</sup> December, 2021. Dr. S.T. Vasan, Vice Principal and Professor, Department of Chemistry, Rural Engineering College, Hulikote inaugurated the event. In his inaugural address, he emphasised on increasing soil fertility through addition of sufficient organic matter to the soil. Dr. L.G. Hiregoudar, Senior Scientist and Head in his presidential address, spoke on use of bio-fertilizers in agriculture. Soil Health Cards were issued to 156 farmers. Technical sessions on soil salinity management and soil and water conservation were held. More than 200 farmers, farm women and students of Chemistry, KSSPG Centre, Gadag participated in the programme.



## Celebration of Agricultural Education Day

ICAR-KVK, Hassan has organized the Agricultural education day on 03-12-2021 at Government High School, Dudda, Hassan. Mr. Doreswamy, Progressive farmer, Dudda, Hassan has inaugurated the programme and in his inaugural speech he said that creating awareness on agriculture is very necessary for present generation and in this regard celebration of agricultural education day is very meaningful. Ms. Pallavi, Head Miss, Government High School, Dudda Hassan has chaired the programme and during her presidential remarks she said that giving importance to environment and agricultural curriculum from elementary level itself will help the children to understand the environmental safety and basics of agriculture. Dr. Nagagraja, T. Scientist (Plant Protection), KVK, Hassan has briefed how agriculture education started in the country, what are all the carrier and educational opportunities available for the school children in agriculture education, after school education how students can get into agricultural education and reasons behind this day celebration to the students. Finally, students were interacted with the dignitaries on the dais.



## Women in Agriculture day

ICAR-KVK, Hassan has organized the “women in Agriculture day” on 04-12-2021 at KVK, Kandali, Hassan. Dr. M. Shivashankar, Scientist (Home Science) KVK, Hassan during his introductory

remarks he mentioned it is proud that 60 per cent of works in agriculture were carried out by women only but it is not enough they should involve in decision taking actions then only the celebration of this day will become meaningful. Programme was inaugurated by farm women participated in the function. Dr. Rajegowda, Senior Scientist and Head, KVK, Hassan has chaired the programme and during his presidential remarks he said that women should involve more in agriculture to become self-sustain financially. Dr. Nagagraja, T., Scientist (Plant Protection), KVK, Hassan said that by earning income through own enterprise or small home-based craftworks can help the family to lead a good life. Ms. Lavanya, K. S., Scientist (Horticulture) has organized the programme. Ms. Bindu, N., Scientist (Soil Science) and Dr. Sanketh, C. V., Scientist (Agricultural Extension), KVK, Hassan, Ms. Vinaya, Superintendent, SKDRDP, Arakalgudataluk, Mr. Rangaswamy, Agricultural Officer, SKDRDP, Arakalgudataluk and 45 farm women of Hassan district were participated in the programme.



## World Soil Day

ICAR-KVK, Hassan organized the world soil day on 06-12-2021 at KVK, Kandali, Hassan. Dr. M. Shivashankar, Scientist (Home Science) KVK, Hassan during his introductory remarks mentioned that Indian soils are having very less soil organic carbon compare to other developed country and he

also mentioned what is the role of farmers in maintaining soil health. The programme was inaugurated by farm women attended in the function. Dr. Rajegowda, Senior Scientist and Head, KVK, 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. Dr. Nagagraja T., Scientist (Plant Protection), KVK, Hassan has said that that life and soil are interdependent each other, so without soil life on earth cannot possible hence as a knowledge human being one should protect soil. Ms. Bindu, N., scientist (Soil Science) KVK, Hassan has organized the programme and during her speech she mentioned the how farmers should take care soil health and importance of soil test in maintain soil health to the farmers. Dr. Sanketh, C. V., Scientist (Agricultural Extension), KVK, Hassan, Ms. Lavanya, K. S., Scientist (Horticulture), KVK, Hassan, Ms. Vinaya, Superintendent, SKDRDP, Arakalgudutaluk and Farm women of Hassan district were participated in the programme.

measures. Dr. Ashoka P, Senior Scientist and Head of the Krishi Vigyan Kendra, Haveri said that water should not be wasted and power must be saved. Dr. M.V. Manjunath, Professor & Head, Dept. of Agricultural Engineering, College of Agriculture, Hanumanamatti explained to farmers the many ways to save energy and the benefits. Then resource person Mr. Anil Joshi, Aqua-Sub-Engineer, Hubballi said that we can save electricity when water is used sparingly without unnecessary wastage. Pump sets with power efficiency should be used in agriculture. More than 100 farmers were present during the function.



### World Soil Day

"World Soil Day" was held on 05-12-2021 in the premises of Primary Agricultural Co-operative Society by ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) and IFFCO in Hediyaala village of Ranebennur taluk. The farmers were addressed by Dr. Rajkumar G. R, Soil Scientist of the Krishi Vigyan Kendra. The Scientist spoke on the theme **-Halt soil salinization, boost soil productivity** which was given by International Food and Agriculture Organization, explaining to farmers that the soil quality is deteriorating and the soil productivity should be enhanced. He said that if the soil was inaccessible, the salt could be removed by giving a drain and if the soil was sodic, apply gypsum and leach out the sodium salt. Per cent of Organic Carbon in soil said to be greater than 0.5 Soil will be alive with high amounts of organic carbon (humus). Increasing soil productivity and providing better soil, weather and better water are essential for the next generation to live with agriculture. In this regard, the farmers should be

### ICAR – Krishi Vigyan Kendra Haveri

### Awareness Program on "Electric Efficiency Pumpsets and Water Conservation"

The program was held on 13-12-2021 by ICAR-Krishi Vigyan Kendra, Haveri (Hanumanamatti) and Karnataka Renewable Energy Development Regulatory, Bangalore. Dr. Balachandra K. Naik, Director of Extension, University of Agricultural Sciences, Dharwad, in his inaugural address urged farmers to take up electricity and water conservation

aware of their responsibility and called for a balanced fertilizer application for the crops by performing a soil test at least once in three years. Shri Nagaraja, IFFCO's field officer, said the use of Nano-urea could protect soil health. Farmers use fertilizer urea 2-3 times in different crops as granules for top dressing. Instead of using granules, the nano-urea spraying would have yielded much higher profit. In addition, he said that IFFCO is introducing the farmers in the near future about the use of nano-DAP and micronutrients. The event was attended by more than 70 farmers from the village.



**ICAR – Krishi Vigyan Kendra Idukki**

**Small Cardamom Planters Meet 2021**

Idukki is known as the land of spices in India. Small cardamom possesses a major share amongst the spice production. Majority of the cardamom planters faces the problems of soil acidity and over usage of Chemical fertilizers. ICAR-Krishi Vigyan Kendra (BSS), Idukki organized a Planters Meet 2021 in association with SPIC, SKAT and Green Star Fertilizers limited, at Spices Resort Conference Hall, Kumali on 01-12-2021. The major motto of the meet was to create awareness among the small cardamom planters on maintaining soil health to enhance more soil productivity. Mrs. K. AbhinayaSuruthu, Proprietor, SRI Kannimar Agro Tech welcomed the participants. The planters meet was inaugurated by Professor Mr.S.Srinivasagam A.V.L., Pandiyan Estate, Vallady. During his inaugural address he

pointed out the importance of soil reclamation practices which are to be followed in Idukki hill soils. Mr. P. K. Ramesh, Regional Manager, SPIC limited felicitated the planters meet 2021. Technical session was handled by Ms.ManjuJincy Varghese, SMS (Soil Science) ICAR-Krishi Vigyan Kendra (BSS), Idukki. She in her session stressed on the importance of soil health management, integrated nutrient management, soil acidity reclamation practices, soil test based fertilizer application methods to be followed during the cardamom cultivation. Marketing of the small cardamom, latest technologies available for enhancing the income level was discussed by Ms.Preethu K. Paul, SMS (Agricultural Extension), ICAR-KrishiVigyanKendra(BSS), Idukki. SPIC officials honoured the progressive cardamom planters in the planters meet.



**ICAR – Krishi Vigyan Kendra Kannur**

**Regional Level Seminar on “Rejuvenation of Coconut Cultivation”**

KVK Kannur, in collaboration with Coconut Development Board, CPCRI-Kasargodu and Thejaswini Coconut Farmer Producer Company has conducted a regional level seminar on rejuvenation of coconut cultivation at Manakkadavu on 14-12-2021. Seminar was inaugurated by Sri. K. T. Suresh Kumar, Standing Committee Chairman, Udayagiri Panchayath in a function presided over by Sri. Jose ParayanKuzhi, Vice-chairman, Thejaswini Coconut Farmer Producer Company. Distribution of micronutrient mixture Ayar was inaugurated by

Smt. Saritha Jose, Block Panchayath Member, Thaliparamba. Sessions on scientific coconut cultivation, processing and value addition in coconut and integrated pest and disease management in coconut were handled by programme coordinator and subject matter specialists of KVK. More than fifty farmers participated in the seminar and discussion.



### World Soil Day

A quiz programme was organized by KVK Kannur as a part of World Soil Day 2021 celebration. Students from College of Agriculture, Vellanikara has participated in the programme. The students were oriented towards importance of soil and soil conservation by subject matter specialists of KVK. Planting of seedlings was also done by students as a part of soil day celebration.



### World Soil Day

KVK Kolar and National Bureau of Soil Science and Land Use Planning (NBSS & LUP) jointly celebrated World Soil Day on 5<sup>th</sup> December, 2021 at Pacharlahalli, VemagalHobli, Kolar district. Dr.Selvamani, Deputy Commissioner, Kolar was the chief guest of the function and he briefed about the importance of soil health cards to the farmers. Dr.Vasundhara R., Dr. Ramamurthy, V. and Dr.Srinivas R. Scientists from ICAR, NBSS & LUP, explained about soil salinization and importance of management practices in agriculture, importance of soil fertility in improving the crop production and soil suitability for cropping respectively. Dr. Anil Kumar, Scientist (SS&AC), KVK, Kolar explained about importance of soil salinization & soil productivity. 50 school children, 250 farmers and 100 farm women from Pacharlahalli, Pindipapanahalli, and Seettapanahalli, seven scientists from NBSS and LUP Bengaluru, 10 Extension officers, had participated in the programme. Soil Health Cards, seed material and seedlings were distributed to the farmers in the event.



## Field day on "Enhancing mulberry productivity through trenching and mulching practices"

KVK Kolar organized Field day as a part of Farmer's Field School on "Enhancing mulberry productivity through trenching and mulching practices" at Muthanuru village, Bangarpet taluk on 8-12-2021 in association with Department of Sericulture, Bangarpete. A total of 125 farmers and department officials have participated in the programme. Sri. K. Thulasiram, Senior Scientist & Head, KVK Kolar briefed the importance of water conservation & organic mulches in mulberry gardens. Dr. Shashidhar K. R., Scientist (Sericulture) explained about nutrient enrichment of soil through organic sources. Sri. S. N. Srinivas, Assistant Director of Sericulture, Bangarpete and other officials highlighted and appreciated KVK initiatives in maintaining soil fertility for quality leaf production.



ICAR – Krishi Vigyan Kendra  
Kollam

## Promotion of Backyard Poultry Rearing in Homesteads

ICAR – Krishi Vigyan Kendra, Kollam organised a seminar for attaining sustainability of egg production in Kollam district by promoting backyard poultry rearing in homesteads on 10-11-2021. The main challenges faced by poultry sub-sector in Kollam district include lack of availability of good quality chicks, low egg production and diseases outbreak due to vaccination failure. For attaining sustainability of

egg production. Krishi Vigyan Kendra, Kollam started an egger nursery, demonstration unit of 1000 chicks capacity for the first time at district and the first distribution of 45-day-old chicks to the farmers were done by Vettikavala block Panchayath president Shri S. Harshakumar.

Demonstration unit functions as an egger nursery unit by purchasing day old chicks from Government hatchery and the scientific rearing and management of chicks were done by brooding, medications like vaccinations and deworming. Demonstration unit assure healthy, fully vaccinated good quality chicks to the district and distributing to the farmers on its 45<sup>th</sup> day at reasonable cost.



ICAR – Krishi Vigyan Kendra  
Koppal

## World Soil Day

ICAR – Krishi Vigyan Kendra Gangavathi celebrated world soil day on 5-12-2021 in collaboration with Agricultural research station, State Agricultural department, ATMA, Gangavathi and IFFCO. Mrs. Farzana Korabu, Technical officer (Soil Science), KVK Gangavathi, given warm welcome and explained the importance of the soil day. The programme was inaugurated by Dr. B.G. Mastanreddy, Special Officer, Campus Head, Agricultural Research Station, Gangavathi narrated about the importance of organic farming and natural farming in his inaugural speech. Senior scientist and head Dr. M.V. Ravi explained about the importance of

world soil day, soil salinization and measures to boost the soil productivity. He also suggested the farmers how to manage soil, water and crop productivity by enhancing the soil fertility by adopting new technology and encouraging organic farming. Sri. Shridhar G., Honourable board member, UAS, Raichur during his talk encouraged the farmers for soil testing and use of Soil health card to improve soil fertility and crop productivity. Dr. J. Vishwanath, Principal Scientist, SWS Gangavathi addressed farmers regarding causes of soil salinity, measures to improve soil salinity, maintaining soil fertility by growing green manure crops. Mr. Chidambaram Murthy, IFFCO Field Officer explained about importance of nano urea. Dr. Raghavendra Yaligar, Scientist (Entomology), KVK Gangavathi explained in detail about vermicompost and vermivash. More than 100 farmers attended the event.

etc. A farm visit was also arranged to Athur farm of KVK-Gonikoppal, where students gained a wide practical exposure and experience about AGRO-AWS, animal science unit, coffee and pepper plantation and nursery unit of KVK. The latest scientific management practices in plantation sector were discussed. The programme was coordinated by Mr. Prabhakara B., SMS (Horticulture) and Dr. Harish, SMS (Agrometeorology).



### Field day on Integrated Disease Management in Ginger

The Field day on Integrated Disease Management in Ginger under Frontline Demonstration was conducted at Toreuru village on 10<sup>th</sup> December 2021. The Ginger crop was grown in a one-acre area with all the Integrated disease management technologies like Spraying of *Pseudomonas florescence* 5 ml per litre, Drenching of Arka Microbial Consortium 20 g per litre during June and August, Soil application of *Trichoderma* enriched with FYM and drenching of Metalaxyl + Mancozeb 2 g per litre was demonstrated. About 46 farmers, officials from Horticulture department participated in the programme. During the field day Shri. Devaiah K.A, SMS (Horticulture) explained about the important recent technologies of Ginger cultivation right from the sowing, spacing and integrated nutrient management. Shri. Veerendra Kumar K.V., SMS (Plant Protection) explained to the farmers about the integrated disease management technologies implemented for management of disease in Ginger and also recorded the yield parameter of the plot. A field visit to FLD plots was arranged as a part of field day programme.



ICAR – Krishi Vigyan Kendra  
Kodagu

### One-week Agro-industrial training for Final Year B.Sc. (Agri.) Students

Twenty Six Final year students of B.Sc. (Agri.) from College of Agriculture, Mandya were placed at KVK-Gonikoppal, Kodagu for one-week long training program from 6-12-2021 to 12-12-2021. On first day, students were taught about KVK system, mandate and its functioning. The students were given exposure and taken to various agro-industries located in Kodagu district like coffee curing industry, orange juice factory, bamboo processing unit, candle factory, bee keeping, Puthari Farmers producer company Ltd.



**ICAR – Krishi Vigyan Kendra  
Kalaburgi - I**

**UAS, Raichur 'Best Extension Scientist  
Award-2020-21'**

**Dr. Manjunath Patil**, Scientist (Animal Science), ICAR-KVK, Kalaburgi-I awarded with 'University Best Extension Scientist Award - 2020-21' on 13<sup>th</sup> foundation day of UAS, Raichur on 22-11-2021 in appreciation of his outstanding contribution to Agricultural Extension activities in KVK. As an extension faculty, he has working since 15 years (2006). He has worked as Veterinary Officer in Government of Karnataka for 4.5 years from 2006 to 2010. Later, he has recruited as Subject Matter Specialist (Animal Science) at ICAR-KVK, Kalaburagi, UAS, Raichur on 01-02-2010 and serving till now to farming community.

As an Assistant Professor, he has contributed and done various activities in Extension. He has given Oral Presentation at International Conferences in Thailand and South Korea countries related to Animal Science technologies.

As for his well performance in Professional, has got reputed awards and medals like Best Staff Research, Yuva Vigynani, Best Animal Scientist, Excellence in Extension Award and Best Stall award in exhibitions. He has contributed a lot for the welfare of farming community by writing a scientific research papers, abstracts and popular articles in various reputed International, National Journals and Regional and different social media. Overall from 2006 to 2021 in his Professor cadre had done excellence job in offering course to students, carried extension funding research projects and organized the number of

extension activities at University level and many more.

Under his guidance and motivation, many farmers' especially young farmers have got success in animal husbandry activities like dairy, sheep, goat and poultry farming.



**Workshop on Plant Protection  
measures in Rabi crops**

One day workshop on *Rabi* crop plant protection organized with collaboration of BSFL, MYRADA and ICAR, Krishi Vigyan Kendra, Kalaburagi-I at Kamalapur on 14-12-2021. The spread of sterility mosaic disease (SMD) of Pigeonpea, fall army worm of jowar due to high cloud days in 2021 with varied climate change reasons. The soil and plant health management aspect stressed during the workshop guest talk by Dr. Zaheer Ahamed, Scientist (Plant Pathology) explained about plant protection measures and suggested suitable varieties of Rabi crops and precautions for major crop of the district to the farmers with ppt and live samples. The MYRADA Field officer Sri. Sharan Kumar, BSFL, officer Sri. Shivsharanappa and around 55 farmers were participated in the programme.



### One District One Product capacity development programme under PMFME Scheme

Under the PM Formalisation of Micro Food Processing Enterprise Scheme KVK Malappuram in association with KAU-Agribusiness incubator and K-bip organized offline and online training sessions for the beneficiaries of Malappuram district from 01<sup>st</sup> December 2021 to 8<sup>th</sup> December 2021 on 'Coconut Processing'. The training was inaugurated by Dr.Sujatha R., ADR Coconut Mission and PI NAHEP CAAST Project, Kerala Agricultural University. Dr.Ibraheemkutty C., Programme Co-ordinator, KVK Malappuram chaired the programme. Dr. K. P. Sudheer, professor and Head, ABI KAU& PI, PMFME SLTI Kerala briefed about the scheme. Twenty five trainees participated in the programme. Trainees were made aware of marketing and branding, business opportunity identification, certification, and registration and licensing procedure for food enterprises, detailed project report preparation and basic concepts of GST. They were also oriented about food storage and packaging, financial feasibility report preparation and pre-entrepreneurial phase analysis. Demonstrations of different equipments used for coconut processing and hands-on training sessions on products from coconut were also conducted for the trainees. Experts from Kerala Agricultural University, District Industries Centre and Directorate of Industry and Commerce handled different sessions.



### Skill training for women group on advanced nursery production techniques

KVK Malappuram has conducted one day hands-on capacity development programme on nursery production techniques for selected women group from Perumpadappu block. Hands-on sessions were conducted on various topics such as quality seedling production using pro-trays, care and management of seedlings, various organic and inorganic nursery media, on-farm compost production techniques during the course.



### World Soil Day

ICAR – Krishi Vigyan Kendra, V.C. Farm, Mandya organized 'World Soil Day' on 05-12-2021 at H. Kodihalli village of Mandyataluk with the theme “Halt Soil Salinization, Boost Soil Productivity”. The programme was inaugurated by Smt. Savitha Jayarame Gowda (President, Gram Panchayath) and Smt. Puttamma Siddaramanna and presided by Dr. Naresh, N. T, Senior Scientist and Head, ICAR-KVK, Mandya and during presidential remarks he urged farmers to maintain soil health in order to provide healthy soil for better productivity for future generation and follow use of soil test based fertilizer application. Dr. Atheefa Munawery, Scientist (Soil Science) as per the theme of World Soil Day for

the year 2021 explained about the characteristics of saline and sodic soils how they are formed and what are the measures to be followed for better management of the saline and sodic soils and use of soil test based nutrient management for minimizing the salinity in soil, importance of green manuring for improving soil properties like physical, chemical and biological, soil sampling technique was explained and method demonstration on soil sampling was carried out subsequently to create awareness among farmers. Dr. Kamalabai Koodagi, Scientist (Home Science) explained how a healthy soil helps maintaining healthy life by human beings. Dr, Mahesh, H. M. briefed on importance of soil use of organic manures and other staff from KVK, Mandya were present during the programme.

program presided by H. V. Divya, KVK Scientist, Shri Shamaraj anchored and briefed about FLD implementation and technology demonstrated in DFI village since 3 years in the DFI village and DSR in paddy, paddy improved varieties, finger millet, black gram and cowpea improved new varieties demonstrated has more impact in the village, V C farm breeder Dr.C.A. Deepak explained about improved paddy varieties like KMP-220 alternate to Jyothi and MSN-99 alternate to RNR-15048 and their important characteristics, Smt. H. V. Divya briefed about the program and explained about importance seed production and preservation.



**ICAR – JSS Krishi Vigyan Kendra  
Mysore**

**Field day on Paddy (KMP 220,  
MSN-99), Black gram LBG-791  
and Cowpea KBC-9**

ICAR JSS KVK Suttur has organized field day program on paddy (KMP 220, MSN-99), black gram Var. LBG-791 and cowpea Var. KBC-9 at Magudilu village, Saraguru Hobli, HD Kote taluk Mysuru district on 07 December 2021. The field day program was arranged in field of a farmer Keshava Murthy at DFI village Magudilu. The program was inaugurated by farmer Keshava Murthy, Assistant Director of Agriculture (ADA), H. D. Kote, Shri Rangaswamy, V C farm paddy breeder Dr. C.A. Deepak, the

**Women in Agriculture**

ICAR JSS KVK Suttur has celebrated Women in agriculture at Bettadapura, Piriapatna taluk, Mysuru district in collaboration with Isha outreach, ATMA DoA, Piriapatna, Mallayanagiri FPO. On the occasion, identification of medicinal plant by local villagers and school students was organized and facilitated the honour to progressive women Smt. Vijaya kumari. Smt. H. V. Divya explained about the importance the day and motivated the farm women to involve in agriculture activities. Smt. Asha Kumari gave guest lecture on kitchen garden, Shri Raghu briefed about the importance of FPO.



### Demonstration of UAV for micronutrient application in paddy field

KVK organized a frontline demonstration on the use of unmanned aerial vehicle (UAV) for micronutrient application in the paddy fields of Kollengode in Palakkad district. Spraying was done for an area of 25 acres of Mamanai and Vazhpuzha Padasekharam. The programme was inaugurated by Hon'ble MLA of Nenmara Mr. K Babu. Sampoorna is a micronutrient mixture containing calcium, magnesium, zinc, boron etc developed from Kerala Agricultural University. It is applied as foliar application in paddy to correct nutrient deficiencies and for better plant growth and higher yield. Farmers are reluctant to do the practice due to labour shortage and higher labour cost. In this context, drone (UAV) was demonstrated to apply Sampoorna as a mechanism to overcome the issues of labour shortage and inadequacy in timely availability of labour. KVK has collaborated the activity with department of Agriculture, Kollengode Grama Panchayath and Prakrithi farmers club of Kollengode.



### 'One District One Product'- Capacity building Programme for the beneficiaries of Palakkad District

A capacity building programme on processing of banana for the beneficiaries under PMFME scheme was conducted on 09-12-2021 at Krishi Vigyan Kendra, Palakkad. Banana is the 'One District One Product' crop of the district. The participants were given hands on training on products made from banana viz., banana jam, banana and grape mixed jam, banana pseudostem squash, banana pseudostem ready to drink juice (unsweetened), banana flower outlet and banana flower chutney powder. Total of 44 beneficiaries across the district participated in the programme.



### World Soil Day

ICAR-KVK, Pathanamthitta celebrated world soil day for the year 2021 in collaboration with Vechochira Grama Panchayath and Krishi Bahvan, Vechochira Panchayath in Ranni Block of Pathanamthitta district. The programme was inaugurated by Hon. MLA Adv. Pramod Narayanan, Ranni constituency. During the inaugural speech he emphasized that it is very essential to implement soil test based fertilizer application for improving the soil fertility as well as to reduce cost of production. On the occasion he distributed soil health cards to the farmers of the Panchayath. The soil health cards were prepared based on the analysis of soil samples collected from different clusters of selected Panchayaths with the concept of grid method of soil sampling. 2.5 ha for irrigated and 10 ha for rainfed areas is considered as

one grid. Soil health cards will be distributed to all the farmers having holdings in that grid. As part of promoting the significance of soil sample analysis in agriculture, KVK Pathanamthitta launched 'Soil Health Campaign at district level'. The objective of programme was to cover 2 wards from each selected Panchayath in Pathanamthitta district viz, Vechuchira, Kodumon, Kulanada, Kunnanthanam and Nedumpuram. Soil sample collection has been done based on grid method and it is targeted to distribute around 3000 Soil Health Cards. Presidential address of the world soil day programme was delivered by Sri. T. K. James, President, Vechoochiragrama Panchayath and the keynote address was given by Dr C. P. Robert, Senior Scientist and Head, KVK, Pathanamthitta. A seminar on the topic 'Importance of soil testing and soil health management' was organized for the benefit of farmers and the session was led by Sri. Vinod Mathew, SMS (Agronomy). A total of 133 participants attended the programme including extension functionaries.

of vegetables by Dec. 2021. In the second phase, five joint liability groups were formed and were provided with 150 mother plants for the production of bush pepper seedlings. The groups will act as satellite nursery production centres of KVK and with a buyback arrangement, marketing will be facilitated. The second phase of the programme was inaugurated by Sri. Giji Mathew, District Panchayath member, Pathanamthitta.



**ICAR – Krishi Vigyan Kendra Raichur**

**Popularization of tractor operated baler for paddy straw management**

Paddy is grown as major crop in the Raichur district, most of states of the country has replaced combine harvesting over traditional sickle harvesting. On an average, for every 4 tonnes of rice, nearly six tonnes of straw is produced which shows that a huge amount of residue is available for disposal every year. The total yield of paddy straw in combine-harvested field is about 12.5 t/ha and the yield of standing stubbles and loose straw are about 7 t/ha and 5.5 t/ha respectively. This huge amount of straw is wasted annually either by burning in the fields or due to poor utilization which otherwise could contribute to the income of farmers. These crop residues if left as it is in the field create problem during sowing of next crop. So there is a need to manage the paddy straw in an economic and environmentally safe way.

Collection of rice straw involves three main operations: picking up of rice straw materials, compacting them into bales, and hauling them to



**Bush pepper seedling production for empowerment of SC community through SC special programme of icar, govt. of India**

KVK, Pathanamthitta as part of SC special programme of ICAR, Govt. of India initiated capacity development programmes at Koipuram Panchayath with an aim to improve the nutritional and economic security of the SC families. KVK would cover a total of 160 families under the programme. As part of the programme, in the first phase, KVK supplied 1200 growbags with media, planting materials and inputs like Organic pesticides, compost, sprayer and Hand hoe to 120 families and expect to produce 3 tonnes

Technology Week - 2021

ICAR-KVK, Ramanagara had organised “Technology week-2021” from 06.12.2021 to 11.12.2021 during which various technologies developed by the university/research institutes were popularized through various extension activities for the benefit of farmers of Ramanagara district. First day, Farmers –Scientist interaction on “Soil Fertility Maintenance for Sustainability” was organized on the eve of Celebration of World Soil Day. Second day, a Field day on “Wilt and Sterility Mosaic Disease resistant Redgram Variety BRG-3 and an off-campus capacity building program on “Importance of Fruits & Vegetables in daily diet” was organized at Halasabele village. Third day, an on-campus capacity building on “Mushroom cultivation, Processing and Value addition was organized. Fourth day, a Field day on “Mechanization in Direct Seeded Rice cultivation was organised.Fifth day, two Field days on “ICM in Coconut & one Field day on “ICM in Redgramvar. BRG-3” was organized. Sixth day, an on-campus training programme on “Scientific Fish Farming” was organized. Exhibitions & visit to various demo units/plots of KVK was organized, highlighting more than 20 technologies and 400 farmers of the district were benefitted.

storage or processing area. In these activities, a collecting machine, called a baler, is the main compacting unit (baling). The baler sometimes includes the other two operations picking up of straw and hauling of baled material which depend on operational conditions and purposes. Collecting rice straw is still a major challenge in the rice straw supply chain. Upon being gathered from the field, bundles of rice straw need to be compressed into bales to make them compact to reduce the transportation cost.

ICAR – KVK Raichur in collaboration with College of Agricultural Engineering, Raichur has organized Field day with respect to FLD on Popularization of tractor operated baler for paddy straw management in the Mandalgera village. Organizer of the programme Er.Veena T, Scientist (PFE) briefly introduced the technology to the farmers and explained the need of mechanization to the farmers.

Dr. DevanandMaski, Assistant Professor, CAE,Raichur explained the uses of baler in paddy crop, demonstrated baler to the farmers and showed storage of baler. More than 40 farmers of the village were got benefitted by the technology and demonstration.



## World Soil Day

ICAR - KrishiVigyan Kendra, Shivamogga celebrated World Soil Day on 5<sup>th</sup> December, 2021. Dr. Hanumanthaswamy, B.C., Senior Scientist & Head, KVK, Shivamogga presided over the programme and given information on importance in celebrating World Soil Day. Dr. Arunkumar, B.R., Scientist (Soil Science), has given the primacy address on World Soil Day celebration on December 5<sup>th</sup> of every year to commemorate the birthday of His Highness Bhumibol Adulyadej, the King of Thailand, who has dedicated his life in pursuit of protecting the precious resource–soil. Mr. D. M. Basavaraj, Deputy Director of Agriculture, KSDA, Shivamogga was inaugurated the programme. In his inaugural address, he stressed the farmers for soil testing & educated them to apply the recommended dosage of fertilizer based on soil testing report to reduce the cost of cultivation and to get higher yield. Dr. Raghunath, Senior Director of Horticulture, Shivamogga participated as assistant chief guest and address the farmers about, importance of soil properties and essential ecosystem functions, and suggested farmers to practice and grow green manuring crops, pulse crops, crop rotation to be undertaken for improving the soil fertility status. In the programme Dr. M. Basavaraja, Scientist(Agronomy), KVK, Shivamogga and Dr. M.K. Basavaraj, Retd. Professor were participated as Guests. Dr. Sarvajna B. Salimath, Associate Professor, Department of Soil science & Agricultural chemistry, College of Agriculture, Shivamogga participated as resource person and delivered the lecture on “Halt soil salinization, Boost soil productivity” with aims to raise awareness of the importance of maintaining healthy ecosystems and human well-being by encouraging societies to improve soil health through efforts to tackle soil salinization which cause soil degradation. The following guidelines were given to farmers viz., On-farm mitigation measures against salinization under high ground water level conditions and shallow

sub-surface drainage for mitigation salinization etc., 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, 42 farmers were participated in the programme. All the scientists and staffs of KVK were also present in the programme.



## World Soil Day

Soil, the integral part of the land wealth is one of the main support systems for all the terrestrial organisms. Maintaining the health of soil and improving its fertility had been the focus of attention since long. Upholding the intention of improving soil health, celebrations in connection with the World Soil Day 2021 were conducted on 05-12-2021 at KrishiVigyan Kendra, Thrissur. A soil health assessment facility was provided at the institution by which the farmers were able to assess the quality of their soil samples. Soil health cards were distributed to the farmers. An awareness class on the scientific application of soil fertility enhancers was conducted and an exhibition of organic based soil ameliorants, produced at KrishiVigyan Kendra, was also organised during the event. These products were distributed to the farmers.

World Soil Day

ICAR - Krishi Vigyan Kendra – Mitraniketan, Vellanad, Thiruvananthapuram celebrated World Soil Day and its campaign at Integrated Child Development Services (ICDS) Office based on the theme 'Halt Soil Salinization, Boost Soil Productivity'.

Seventy-two participants attended the programme which included framers, students and extension personnel. Most of them women farmers interested in farming. The programme commenced with prayer song and Ms.Jyothi Rachel Varghese (SMS, Agronomy) welcomed the dais and the gathering. Dr.Kabani P.S. (CDPO, Vellanad) inaugurated the programme. The keynote address was delivered by Dr.Binu John Sam (Senior Scientist and Head, ICAR-Krishi Vigyan Kendra, Mitraniketan - Thiruvananthapuram) based on the theme 'Halt Soil Salinization, Boost Soil Productivity'. Keynote address generated awareness on the importance of maintaining biodiversity for the existence of human-being by addressing the increased challenges in soil management during the present scenario of climate change and possible solutions to keep the soil alive for the benefit of farmers and students by Senior Scientist and Head. Smt. Priya A.R Manager, State Bank of India, Vellanad addressed the gathering on the need for healthy soils and rendered support to the farmers to increase agriculture production during this occasion. Soil Health Card was distributed by Dr.Binu John Sam to the farmers. The inaugural session ended with vote of thanks by Smt. Lalsi Rani (ICDS), Vellanad. The session on awareness on world soil day and the importance to maintain soil fertility to improve soil health and techniques to boost the production and productivity was handled by Ms.Jyothi Rachel Varghese. Ms.Jibi Joseph, Programme Assistant (Lab) explained techniques of soil sampling and importance of soil testing in agriculture. RAWE students from Kerala Agricultural University, Thrissur interacted with farmers and given an exposure to the work in soil and water testing Lab at KVK.



**Demonstration of use of drones for the application of KAU –Sampoorna Multimix micronutrient mixture**

Nullifying micronutrient deficiencies of soil helps improve the nutrient utilization efficiency by plants. The use of micronutrient mixtures such as KAU-Sampoorna has been to maximise the efficiency of application of micronutrient mixtures, the demonstration of spraying using drones was conducted at Neelichira Padasekharam of Pazhayannur Panchayath, Thrissur. The programme was conducted by KrishiVigyan Kendra, Thrissur under the aegis of Directorate of Extension, Kerala Agricultural University in collaboration with Kerala State Agriculture Department. The function was presided over by Pazhayannur Panchayath President Sri.Muralidharan.K and was inaugurated by Pazhayannur Block Panchayath President Sri. Ashraf M.K. Dr.Jayasree Krishnankutty, Director of Extension, Kerala Agricultural University delivered the keynote address.





## ICAR – Krishi Vigyan Kendra Udupi

### Friends of Coconut Tree

Keladi Shivappa Nayaka University of Agricultural & Horticultural Sciences, Shivamogga, Indian Council of Agricultural Research, New Delhi, Coconut Development Board, Bengaluru, ICAR-Krishi Vigyan Kendra, Brahmavar in association with UKCAAS, Japthi, Kundapura were organized six days Capacity Building Training Programme for Rural Youths on “Friends of Coconut Tree”. The valedictory function was conducted on 04-12-2021 at Japthi village, Kundapura Taluk. Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga, inaugurated the programme by distributing the climbing machine to trainees. Dr. Lakshmana, Associate Director of Research, Zonal Agriculture and Horticulture Research Station, Brahmavar was the president of the programme.

Shri Sathyanarayan Udupa, President, UKCAAS, Japthi, Shri Jagadeesh Udupa, Director, UKCAAS, Japthi, Dr. B. Dhananjaya, Senior Scientist & Head, KVK Brahmavar, Shri Madhukar, Assistant Horticulture Officer, Kundapura, Shri. Kuchelayya, Retired. SADH, Udupi were the chief guests of the programme. Shri Rajeshkar, Kalavara and Shri Krishna Poojary, Pandeshwara were the Master trainers of the programme.

Dr. Chaitanya H. S., Scientist (Horticulture), KVK Brahmavar welcomed the gatherings to the programme, Dr. Naveen N. E., Scientist (Agronomy) gave vote of thanks to the participants and dignitaries. Dr. Sachin U. S., co-ordinated the programme.



## ICAR – Krishi Vigyan Kendra Tumakuru - I

### Capacity Building Training Programme for Women in Dairy Farming Sector

Five days “Capacity Building Training Programme For Women In Dairy Farming Sector” was organized at Krishi Vigyan Kendra, Konehally, Tiptur, Tumakuru from 1<sup>st</sup> December to 5<sup>th</sup> December 2021 in collaboration with National Commission of Women, New Delhi. The programme was virtually inaugurated by Shri A. AsholiChalai, Joint Secretary National Commission of Women, New Delhi in his inaugurated speech he emphasized that considering women's involvement in a wide range of activities it is evident that that production potential can be realized only if women get the necessary training and technical support. 25 farm women belong to SHG 1 milk producing Co- Operative Societies from Tipturtalukof Tumakuru district were participated. They were trained about technical know-how on dairy farming, new technologies in value added dairy products and innovations in packaging, new development in cattle feed development and cold chain during these 5 days. The resource persons from Agricultural College, GKVK, Bangalore, Veterinary College, Shivamogga and KVK, Shivamogga were participated and trained the farm women.



## World Soil Day

KVK, Udupi celebrated World soil day on 5<sup>th</sup> December 2021 at its premises. The function was graced and inaugurated by Sri Kempgowda, Joint Director of Agriculture, Udupi District. Sri Suryakanth Biradar, Deputy Director of Agriculture, Udupi District, Dr. Dhananjaya B., Senior Scientist and Head, KVK, Udupi, Dr. Sudheer Kamath, Principal, Diploma College of Agriculture, Brahmavar, Dr. Shankar M., Senior Farm Superintendent, ZAHRS, Brahmavar, Dr. Jayaprakash S.M., Scientist (Soil Science) ZAHRS, Brahmavar. Dr. N.E. Naveen, Scientist (Agronomy) and Dr. Jayaprakash R., Scientist (Soil Science) KVK, Udupi were present on this occasion and made the programme glorious. During this programme 20 farmers from Udupi District were present, 40 DAESI and 42 Diploma Agriculture Students participated in the programme. Sri Kempgowda, Joint Director of Agriculture, Udupi District inaugurated the function and stressed the importance of soil health in today's agriculture scenario. He emphasized the use of plant nutrients on the basis of soil testing. He asked the farmers to apply Integrated Nutrient Management Practices in the field Soil health and crop productivity. Dr. Jayaprakash R., Scientist (Soil Science) KVK, Udupi in his welcome address narrated the history of world soil day celebration and stressed the importance of current theme of 2021. Suryakanth Biradar, Deputy Director of Agriculture, Udupi District gave a detailed information on importance of soil in crop production. Dr. Dhananjaya B., Senior Scientist and Head, KVK, Udupi highlighted the importance of acid soil management in coastal Karnataka. Presidential Dr. Sudheer Kamath, Principal, Diploma College of Agriculture, Brahmavar while delivering his presidential speech and gave a detailed composition of soil, importance of soil crop productivity, requirements of micronutrients in the soil related to different types of crops. In the end Dr. Kantharaj, Scientist (Soil Science), ZAHRS, Udupi gave vote of thanks to chief guest, Scientists, Farmers, Farm women and Students for their participation and making the event successful.



## World Soil Day

The World Soil Day, celebrated on 5<sup>th</sup> December, 2021 at KVK, Vijayapur on theme "Halt soil salinization, boost soil productivity". On this occasion, we organized two programmes one with children of Sanganbasva international science college, Vijayapur and the other with farmers in collaboration with State department of Agriculture on the same day, aims to raise awareness of the importance of maintaining healthy ecosystems and human well-being by addressing the growing challenges in soil management, fighting soil salinization, increasing soil awareness and encouraging societies to improve soil health.

The occasion also held a Special Lecture on “**Significance Of Stopping Soil Salinity and boost soil productivity**” delivered by Mr. B.C. Kolhar, Senior Technical Officer, KVK, Vijayapur. Dr. Rabin Chandra Paramanik, The principal SRPU College, Vijayapur chaired the function and emphasized the need to focus attention on revival of soil health and to preserve the pattern of nature. By promoting soil health, we promote ourselves. He also appreciated the activities of KVK Vijayapur.

The chief guest Dr. K.S. Agasanal, Deputy Director of Agriculture, District training centre, Vijayapur addressed on the role of soil and soil productivity. He also deliberated on Soil salinization and sodification are major soil degradation processes threatening ecosystem and are recognized as being among the most important problems at a global level for agricultural production, food security and sustainability in arid and semi-arid regions.

During the event, children were actively participated in the debate on Halt soil salinization, boost soil productivity". A total of 59 students, 35 Farmers, 05 Scientists and 04 State Line Department Officials participated in the event.

**Pre-SAC consultative workshop  
on agricultural problems**

ICAR-KVK Wayanad activates its interventions through maintaining meaningful and organic relationship with State Agricultural Department which operates at grass root level. This one-day workshop was intended to realize the feedback of farming community through the Agricultural Officers of Wayanad, thus enabling the KVK to act as a bridge between technology generators and end users. The workshop will pave way for planning future programmes of KVK in the ensuing years. The workshop also was aimed to strengthen the relationship of KAU-ICAR KVK system with State Department of Agriculture in Wayanad. In a time when farmers were facing difficulties, this workshop enabled both university and department to deliberate up on the farmers issues which further will enable for incorporating the findings of the deliberations in the ensuing action plan and jointly implement the programmes with one single point in mind i.e. 'farmers'.

Hon. Vice Chancellor of KAU, Dr. R. Chandra Babu stressed the need for organizing consultative workshops of agriculture officers and scientists in a district to address the agriculture-related issues being faced by the farming community. Hon. Vice Chancellor said that agriculture officers were the best resources to bring out the field level realities at the grass-roots level. Dr. Jayasree Krishnankutty, Director of Extension, KAU, presided over the function and congratulated KVK for organizing this workshop with the participation of all Agricultural officers of the district with Assistant directors and Deputy Directors from the Department of Agriculture. Principal Agriculture Officer of Wayanad, Smt. A.P. Sherly delivered the keynote address who stressed on the need for more such convergence and assured the complete cooperation to work in hand with KVK. Dr. Rajashree G, Professor of Agronomy, RARS,



ICAR – Krishi Vigyan Kendra  
Yadgiri

**World Soil Day**

ICAR-KVK, Kawadimatti (Yadgiri) in collaboration with Coromandel International Limited, Shahapur jointly organized WSD (World Soil Day) on 5<sup>th</sup> December, 2021. Dr. Amaresh Y.S., Senior Scientist & Head, Yadgiri explained the basic information and importance of healthy soil and advocating for the sustainable management of soil resources to the farmers. Dr. Umesh Barikar, Scientist (Soil & Water Engineering) suggested the farmers to test the soil to get engage in proactively improving soil health, the campaign aims to fight soil biodiversity loss and also gave the characteristics, deficiency and their management in crops. In the programme, Sri Shivanand (Agronomist), Coromandel International Limited, Shahapur delivered the lecture on soil nutrient management for healthy soil for a healthy life. 49 farmers were participated in the programme.



Ambalavayal also felicitated during the function. The Programme Coordinator and Head of KVK said the programme was organized to address the felt and unfelt needs of the farming community for which interaction with agriculture officers alone would reveal the real issues of farmers. Agricultural Officers from all the four blocks of Bathery, Kalpetta, Mananthavady and Panamaram presented a two-minute slide focusing on the field level problems at block levels and Krishi Bhavan level followed by which Assistant Director (Agriculture) and Deputy Director (Agriculture) of the respective blocks expressed their school of thought as a conclusion.





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**Published by**  
ICAR-Krishi Vigyan Kendra, Chitradurga