

75
Azadi Ka
Amrit Mahotsav

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KVK TIMES

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



ICAR-Agricultural Technology Application Research Institute
Zone XI, Bengaluru
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1



ACKNOWLEDGEMENT

The beatitude and euphoria that accompanies successful completion of any task would be incomplete without expression of appreciation to the people who made it possible to achieve the goal by their encouraging support and contribution. It is great at this juncture to recall all the support in the form of team KVK of zone-XI.

I feel immense pleasure and joy in expressing my profound thanks and gratitude to Team ATARI, Bangaluru zone-XI for giving us an opportunity to document KVK activities in second fortnight of August 2021 in the form of e-newsletter KVK Times and it is always remembered.

I sincerely grateful to Shri. R. M. Patil, Chairman, KVK, Belagavi-1 and Ex. Minister Govt. of Karnataka for his constant support and encouragement in implementing the KVK activities.

I am thankful to Honourable Member of Parliament, Rajyasabha Shri. Iranna Kadadi, for his whole hearted encouraging to our KVK for this kind of collective approach towards documenting the KVK activities.

We are thankful to Dr. Ramesh Babu, Director of Extension, Dr. P. S. Hugar, Associate Director of Extension and Dr. Sripad Kulkarni, Nodal Officer to KVKs of UAS, Dharwad for their constant support for our KVK.

I take this opportunity to express my heartfelt gratitude towards Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bangaluru zone-XI for his genuine guidance and impeccable advice which helped us to compile the KVK Times, Vol 1, Issue-4.

I express my sincere thanks to my team KVK –Belagavi-1 for their involvement in formulating and bringing this issue in scheduled time.

Date : 01-09-2021

Place : KVK, Belagavi-1

Sri. Dhananjay Chougala

Senior Scientist & Head

ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1





Foreword

The Krishi Vigyan Kendra's are the well-developed frontline extension system structured by Indian Council of Agriculture Research for effective dissemination of new technologies to benefit the farmers of the country. This important journey of KVKs has started from 1974 to build self-reliance in agriculture at each district of the country. A number of organizations are involved in the implementation of KVKs in a unique public-private partnership mode helps us to reach 722 KVKs across the country. The KVK system has made significant difference in socio-economic condition of the farmers by bringing new technologies from lab to land and capacity building programmes through appropriate extension activities.

I am very happy to know that ICAR-ATARI Bengaluru, zone XI has come up with innovative way to throw light on KVK Activities of the zone XI through “KVK TIMES” a fortnight e-newsletter. The KVK system is needs this kind of platform to showcase its frontline extension activities.

I would like to complement Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, zone XI and all the staff of each KVKs for their collective approach in bringing out the “KVK TIMES” Volume 1, issue-4, in order to emphasize the KVK activities in this fortnight. I wish KVK system reach greater heights in Indian agriculture and continue to contribute selflessly.

Sri. R. M. Patil

Ex- Minister, Govt. of Karnataka &
Chairman,
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1





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ಸಂಸದರು (ರಾಜ್ಯ ಸಭಾ)



IRANNA KADADI
M P. (RAJYA SABHA)
Cell : 9448040999, 9868131166
E-mail : ibkadadi@gmail.com

Ref. No. **MP (R S)/H O/2 /2021-22**

Date..... **03.09.2021**.....

India is the agriculture dominant economy where farmers are the true back bone of the country. Therefore, agriculture sector is the highest priority of Government of India like never before. Under the noble leadership of Hon'ble Prime Minister Sri. Narendra Modiji, the vision of doubling the income of the farmers have been taken up on mission mode. Even during the pandemic period, utmost importance given to 'Farmers First' in order to protect the interest of the farming community. Union government has created big financial push by establishing the Agriculture Infrastructure Fund in order to elevate this primary sector to the next level. Various need-based programmes and schemes of the government to promote organic farming, efficient utilization of resources, value addition and e-marketing aiding the farming community in great way.

Our government has recognised the true potential of the Krishi Vigyan Kendras and as a result, more number of KVKs have been established in recent years. In addition, infrastructure and human resources with the KVK were strengthened. Krishi Vigyan Kendras of the country deserve great appreciation for its extension outreach efforts where technical innovations are brought to the farmers field. Location specific problems are addressed by creating technical awareness on advanced agriculture technologies like superior varieties of seeds, effective pest and disease management, proper diversification of crops, judicious use of chemicals, conservation of water and soil resources, advanced technologies in livestock production & management.

My association with ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1 is more than two decades long. I appreciate the vision of the Chairman of the KVK Sri. R. M. Patilji in bringing the KVK to our neighbourhood through which thousands of farmers benefited directly and indirectly. I congratulate the team KVK, Belagavi-1 in bringing the 4th addition of *KVK Times* which is an excellent compilation of the farmer friendly works taken by the different KVKs in this fortnight. *KVK Times* is the mirror of the activities and functioning of the KVKs and my wholehearted appreciation for the support of the Dr.Venkatasubramanian, Director of ATARI, Bengaluru to showcase these good works through this publication. It is indeed a privilege to pen down my remarks in this occasion and I wish all the KVKs of Zone XI great success in all the activities to be taken in the future so that *Farmer* of the nation will become totally self-reliant and *Country* will achieve 'Atma Nirbhar' very soon.

With best compliments,

Sri. Iranna Kadadi
Hon'ble Member of Rajya Sabha,
Govt. of India



DELHI RESI : C-203, Swarna Jayanti Sadan, B.D. Marga, New Delhi - 110 001
BELAGAVI OFFICE : Old Zilla Panchayat Building, Belagavi Ph.: 0831-2428999

KALLOLI OFFICE : Janasamparka Karyalaya, Kalloli Ph.: 08332-284989
RESIDENCE : A/Post - Kalloli - 591 224, Tq. Mudalagi, Dist. Belagavi.



Message

The nation is celebrating 75th anniversary of Independence. When we look back to the history of agriculture in the country, several milestones have been already crossed. From the era of green revolution to start-up culture, country has achieved significant improvement in agriculture and allied enterprises. During this course of journey, KVK system has delivered spectacular contribution through its frontline extension. Now, shouldering the mission of doubling the farmers income with Union government, KVKs are expanding the horizon from elite extension to innovation, market linkage, FPOs, processing and value addition.

In this juncture of Amrit Mohotsav, KVKs have conducted various awareness programmes and provisioned seed kits, poultry birds and fish fingerlings to farmers. Aiming to improve the production and productivity, these activities will also promote integration of different components in the existing agriculture system. I urge KVK family to keenly follow up these activities in order to make these components are sustainably integrated forever.

Farmer as *Annadata* for the nation, it is important to educate the importance of food and nutrition among farm families. In this respect, KVKs have conducted workshops and awareness programmes to inform farm families about necessity of balanced nutrition for vibrant health. KVKs deserve appreciation for this utmost important task. This fortnight, KVKs have also conducted Parthanium Eradication Awareness Week, which is an important programme to curb the menace of Parthanium.

It is indeed noteworthy to mention that KVK Alappuzha and KVK Uttara Kannada conferred with 'Best KVK Award' by ICAR-NRC, Banana, Thiruchirapalli during the 28th Foundation Day. I congratulate both KVKs for their exceptional works pertaining to promoting banana production technologies.

ICAR-BIRDS KVK, Belagavi has done commendable job in bringing the 4th Edition of KVK Times and herewith I congratulate the team for capturing the important events held during the fortnight of Amrit Mohotsav. I request all the KVKs to continue to contribute at their best in order to achieve the continuous and consistent growth of agriculture.

Dr. V. Venkatasubramanian
Director, ICAR-ATARI, Zone XI,
Bengaluru



Best KVK Award

In recognition of the outstanding achievements made in the transfer of banana related technologies, ICAR-KVK-Alappuzha was conferred with “Best KVK Award-2021” during the 28th foundation day ceremony of ICAR-NRC Banana, Tiruchirappalli. Technology interventions taken up in nutrient, pest and disease management practices, Value addition of fruits and various parts of the banana, and Utilization of the waste materials of pseudo stem and leaves for mushroom production leading to overall enhancement of income of banana farmers in the district were acknowledged and appreciated by the institute for conferring this award. The award was virtually presented in the ceremony held on 21st August, 2021 in the presence of Dr. A. K. Singh, DDG (Hort), ICAR, Dr. S.K. Malhotra, Agriculture Commissioner, Govt of India, Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru, Dr. S. Uma, Director, ICAR-NRCB and other dignitaries. Different stake holders in banana sector across the country attended the virtual function.

Farmers' Day (Karshakadinam) programme

First day of the Malayalam year (*Chingam 1*) is celebrated as Farmers' Day (*Karshakadinam*) in Kerala. State level inauguration of the Farmers' Day celebration was organized in Alappuzha district on 17th August, 2021. As part of the inaugural programme, Smt. Jissy George, SMS (Home Science) of KVK-Alappuzha handled a session on “Value added products from vegetables and banana” which was live streamed throughout the state in the Face Book Page and you tube channel of Farm Information Bureau, Govt. of Kerala. The State Level programme was inaugurated by the Honorable Chief Minister of Kerala, Sri. Pinarayi Vijayan, and presided by Sri. P. Prasad, Minister of Agriculture. Adv.A.M. Arif, MP. Smt.K.G.Rajeswari, President, Alappuzha District Panchayath, Dr.K.Vasuki, Director of Agriculture and officials of the Dept. of Agriculture were present on the occasion. Selected farmers across the state were honored by the Agriculture Minister in during the ceremony for their contributions in the different area of farming.





ICAR-KVK, Bagalkot

Curriculum Development Workshop

Workshop on Curriculum Development for Village Training programme was organised by KVK Bagalkote on 31.08.2021 for Extension workers in collaboration with Bayers crop science and Sarvodaya NGO Koppal under the umbrella of Azadi ka Amruth Mahotsav. The series of training will be conducted at DFI village of KVK i.e. Mangalagudda for next six months. Dr. M R Kammar Senior Scientist and Head, KVK Bagalkot inaugurated the programme and experts from UHS Bagalkote and KFRC Bagalkote have suggested inputs for fine tuning of course content. Shri Nagaraj Desai president of Sarvodaya NGO, Mr. Mathew from Bayers Crop Science participated in the programme



Root grub Management Awareness campaign

Krishi vigyan Kendra, Bagalkote in collaboration with Department of Agriculture Bagalkote and Belagavi conducted the Mass awareness campaign on management of Rootgrub in sugarcane and other crops in Mantur, Rugi, Lokapur, Palkimanya of Mudhol taluka; Suralikall, Ambalikopa, Indavar of Hunagund taluka of Bagalkote District and Torangatti, Ujjanakoppa and Chunchanur

village of Ramadurga taluka of Belagivi district. District pest survey and surveillance team consists of Entomologist of KVK, Bagalkote DDA, ADA, AOs and ATMA staff of both Districts jointly visited the problematic sugarcane and other crop fields on 19th, 20th and 27th of August, 2021. The team suggested the remedies in field itself and also conducted awareness training programme on those villages. More than 120 farmers have participated in the campaign.



Nutrivillage-Navalgi

KVK Bagalkote in collaboration with ICICI Foundation has been working in Navalgi village which has been selected under Doubling farmers income since two years. As part of continuation of the programme, training was organised at Navalgi on 17.08.2021 for women farmers and youth to brief the importance of nutrigarden. Seed kits containing vegetables seeds were introduced and imparted knowledge on perennials to be maintained at Nutrigarden





ICAR-KVK, Bagalkot

Trainings during fortnight

Lecture on organic turmeric cultivation practices and its processing delivered for Paramaragatha Krishi Vikas Yojana farmers of Mudhol on 17.08.2021. The training was organised in collaboration with State Department of Horticulture and ICCOA, Bengaluru, totally 30 farmers took benefit of the programme. Another on campus training program on Advanced cultivation practices in Ajwain on 24.08.2021 organized and around 12 farmers participated in the programme. An online training program conducted on Integrated crop management practices in chilli on 27.08.2021 to farmers of Gokak taluk. Organised parthenium awareness programme on 23-08-2021 for DAESI students by Dr. Venkanna Balaganur Scientist (Animal Science) at KVK, Bagalkote, Senior Scientist and head and other Scientists participated in awareness programme.



Field day on weed management in Soybean

Organised field day on Weed management in soybean at Bagalkote on 23-08-2021 by Shri Siddappa C. Angadi Scientist (Soil Science) at KVK, Bagalkote.

IFS Unit Field Visit

Field visit to IFS Unit of Shri Arjun Galagali of Kainkatti village of Badami Taluka by Dr. Venkanna Balaganur, Scientist (Animal Science) and Dr. V.S. Kulkarni, Retired Professor of Animal Science, UAS, Dharwad on 07-08-2021. Shri Arjun Galagali is maintaining 40 bee colonies in his farm for enhancing the productivity of crops



Group Meeting and Diagnostic Visits

Group discussion with farmers of Kersur village was taken by ICAR-KVK, Bagalokote, Scientists on 17-08-2021. Dr Sudha S Scientist (Plant Pathology) interacted with farmers about the diseases in sunflower and onion and control measures were suggested to the farmer for the management of the disease. Group discussion with farmers of Hungund taluk was taken by ICAR-KVK, Bagalokote Scientists on 18-08-2021. Dr Sudha S Scientist (Plant Pathology) interacted with farmers about Farmers Field School (FFS) its importance and implementation in farmers field on chilli crop. Dr Airadevi P. Angadi Scientist (Horticulture) discussed about nursery bed preparation, raising seedling of chilli in portraits. Meanwhile, diagnostic field visits conducted in problematic onion and sugarcane fields and suggested measures.





ICAR-KVK Ballari

Diagnostic field visit to Cucurbits

Cucurbits are commercially cultivated in Ballari district during kharif and summer season. The district has an area of 1853ha and production of 25,942 MT of Cucurbits. The average productivity of cucurbits is 14 ton/ha in Ballari which is very less compared to production potentially of crop i.e., 26 t/ha. This is mainly due to higher incidence of pest and diseases particularly grown during kharif season. Hence, ICAR-KVK, Ballari conducted diagnostic field visits in DFI village Kenchatanahalli on 18-8-2021 for cucurbits grown in kharif season. In the visit Dr. Jaiprakash Narayan R.P., Scientist (Horticulture) enlightened the importance of paired row system of planting in cucurbits and demonstrated the pyramidal training system of vines for efficient management of natural resources, judicious use of growth regulators for enhancing the female flowers to achieve high yield and productivity. Dr. Govindappa, M.R., Scientist (Plant Pathology), trained the farmers to identify and diagnose the symptoms of downey mildew, cucurbit yellow mosaic virus. For the management, he suggested integrated disease approaches with use of yellow sticky traps, foliar spray of bio-agents like *Verticillium sp.* and *Beauveria sp.*, crop rotation, border crops, prophylactic spray of insecticides viz. Imidachloprid 200 SL @ 0.5 ml or Acephate @ 1 g/l for yellow mosaic and Metalaxyl 78 WP @ 1 g/l for downey mildew in cucurbits.



ICAR-BIRDS KVK Belagavi-1

Field day on soyabean under NFSM-CFLD

The field day of NFSM CFLD soybean was organised at Masaraguppi village on 31st August 2021 to exhibit the result of demonstrated technologies. Progressive farmer Shri Balappa Kanti was presided over the programme and the programme was inaugurated by Assistant Director of Agriculture Sri. M S Patagundi. ADA has called farmers to adopt rust disease management practices and registering the crop of their field with the help of Farm App. Shri Dhananjay Chougala (Sr. Scientist & Head of KVK) detailed the process and technologies demonstrated. He also elaborated the climatic abrasions during the crop season and solutions suggested to overcome those problems. The Senior Scientist (Agronomy) Dr. Sunilkumar Nooli, Sugarcane Agriculture Research Station Sankeshwar delivered information on soybean crop management technologies and he highlighted on rust disease tolerant varieties and adoption of timely weed management technologies. The KVK Scientist (Agronomy) Dr. M N Malawadi briefed on the use of biofertilizers and micronutrient management in soybean production. The Scientist (Home science) Smt. Rekha Kharabari, messaged on nutrition value of soybean and its processing and she also suggested use of spiral separator of soybean grain cleaning grading. More than 120 farmers and ATMA staff of Hukkeri Agriculture department were participated.





Webinar on Fish Farming in Biofloc Method

Webinar on 'Fish Farming with Biofloc Technology' conducted on 20/08/2021 by ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1. The programme was organized by Adarsha H. S, Scientist (Fisheries) and the objective of the programme was to give scientific knowledge to aspired entrepreneurs regarding the biofloc system. Sr. Scientist & Head of the KVK, Mr. D. C. Chougala in his key note address stressed upon that rural youth have to understand the technology thoroughly before taking up the project. Information from youtube or internet videos alone cannot be helpful and hence, expert advise is very much needed for the adoption of this technology. Mr. Sripad Kulkarni, Deputy Director of fisheries, Belagavi as chief guest of the programme, explained about the different financial aids available for Biofloc system through PMMSY Scheme under Dept. of Fisheries, Belagavi. The guest speaker for this webinar was Dr. Vishwanath B. S, Consultant, NFDB and Senior Scientist, ABT Corporation who delivered detailed practical insights of the biofloc technology. A total of 66 farmers attended the programme.



Food and Nutrition for Farmers – A campaign

A national campaign on “Food and Nutrition for Farmers” under Azadi ka amrut mahotsava was organised at ICAR BIRDS Krishi Vigyan Kendra, Tukkanatti, Belgaum-1 on 26th August 2021. Shri, Appasab R. Kagawade, Krishi pandit awardee and progressive organic farmer, Chinchali inaugurated the programme and guided farmers on importance of nutrigarden. Shri, D, C, Chougala, Senior Scientist & Head, KVK, Tukkanatti has presided the ceremony.

KVK has organized three guest lectures on Nutritional security of farmers. M. N. Malawadi Scientist (Agronomy) highlighted bio fortified varieties and its importance to alleviate malnutrition in children, adolescent and women. R. B. Karabhari, Scientist (Home Science) delivered lecture on importance of balanced diet and nutritional foods for farmers and also delivered lecture on importance of traditional food by Shri. N. R. Salimath (Program Assistant). Shri. P. M. Patil, Scientist (Horticulture) is the Master of event. The speech of Hon. Union minister of Agriculture and farmers welfare shri. Narendra singh Tomar was webcasted live. Total 89 farmers and staff of the KVK Belagavi-1 were present during the programme.





ICAR-KLE KVK Belagavi-2

Azadi Ka Amrit Mahostav

On the auspicious occasion of 75th Independence Day of India under the title “Azadi Ka Amrit Mahostav” KVK with aim to adopt Good Agriculture Practices by converting their farm waste to valuable compost which is rightly called as “Black Gold”. The farmers of Bevinakopp village, Bailhongal taluk were identified and provided 14 mobile vermicomposting units. 100 cashew saplings were provided to the farmers of DFI villages viz., Bevinakopp and Karavinakopp. 4000 fish fingerlings were released at Shri. Gyandev Tumurguddi, progressive farmer, Somanatti village, Bailhongal taluk.



Vermicelli enterprise

KVK provided hands on training to farmwoman Smt. Laxmi Lagamappa Ramannavar from Nesargi, Bailhongal taluk on preparation of vermicelli using chiroti rava and wheat flour. The production of vermicelli is done during January to May. She has installed two vermicelli processing units with production capacity of 1.0 q each and employment for 5 nos. of workers on daily wage basis. During this season she has produced 9 ton of chiroti rava vermicelli and 1 ton of wheat flour vermicelli with a net profit of Rs.1,60,000/- in a span 5 months.



Workshop on Food and Nutrition for farmers

On the eve of 75th Azadi Ka Amrit Mahotsav KVK organized one day workshop to the farmers on Food and Nutrition for farmers on 26.08.2021. During the workshop G.B. Vishwanath, Scientist (Agronomy) highlighted about the bio-fortified varieties developed by ICAR institutes/ SAUs. Mrs. Sridevi B. Angadi, Senior Scientist & Head highlighted the importance of nutritious diet for proper growth and development of an individual. A balanced diet should include cereals, pulses, fruits, vegetable, oil and fats, jaggery (major 5 food groups) and dairy products.

S.M. Warad, Scientist (Soil Science) briefed on various nutrients required by crop and methods of supplying these nutrients to the soil on integrated mode such as organic manures, chemical fertilizers, bio-fertilizers and green manures which helps to improve the soil fertility status. Dr. Nagesh Huilgol, Scientist (Animal Science) explained on adoption integrated dairy management by using mineral mixture, bypass fat alongwith good quality green fodder. Dr.S.S. Hiremath, Scientist (Plant Protection) briefed the gathering about importance of celebrating 75 years of Independence Azadi Ka Amrit Mahotsav, DFI concept and approaches to improve productivity and value addition in cereal and pulse crops. 75 farmers from Mattikopp, Bevinakopp, Sutagatti, Mohare and Somanatti villages of Bailhongal taluk took part in the event.





Demonstration of pesticides spray using Drone

KVK has demonstrated pesticide spray in soybean in collaboration with GARUDA AERO SPACE PRIVATE LIMITED, Chennai. During the demonstration, the advantages of spraying pesticides through drone was highlighted stating that it requires 30 minutes to spray one acre with a maximum height of drone from 4-5 mtrs. It protects farmers from harmful pesticides effects by handling and it uses minimum water for spraying. A total of 40 farmers, 15 students and Extension functionaries participated in the event.



Parthenium awareness week

Parthenium awareness week was celebrated at KVK as well as at villages of KVK jurisdiction from 16–22, August 2021. Awareness has been created through group meetings, publishing articles in daily news paper, messages sent to farmers through whatsapp groups, pasting the posters at public places in the villages.

At KVK instructional farm, Parthenium Awareness programme was managed through uprooting plant, spraying weedicide, releasing of Mexican beetle. Farmers and school childrens were briefed about history of parthenium, how it effects human and animal health, management practices like physical, cultural, chemical and biological practices.



Fresh Water Fish Fingerlings Stocking:

ICAR Krishi Vigyan Kendra, Bidar has decided to introduce 'composite fish culture farming' in the district under FLD on the composite fish culture technology. Fish farming in farm ponds will be a new venture to help famers and earn additional income. The species used in composite culture includes 3 species of carps viz. Catla, Rohu, and Common carp. Each fish species had a certain feed preference, which is related to the position of the fish in the pond (Eg. Surface feeder, column feeder and bottom feeder). A total 18000 fish fingerlings were released in five farmers farm ponds in village like Keroor, Hupla, Saigaon and Siddeshwar of bhalki taluka and Hippalagoan villages of Bidar taluk. During the release of fish fingerlings KVK Bidar Senior Scientist and Head Dr. Sunilkumar NM, , Scientist (Horticulture) Dr. Ningdalli Mallikarajun and Scientist (Animal science) Dr Akshaykumar and farmers like Sri Balaji Wadekar, Sri. Vishambar Rao Patil, Dinakar Kulkarni, Sri Sangappa Hanumashetty and Yeshappa Hippalgaon and other fellow farmers were present.





ICAR-KVK, Chamarajanagar

On 04.08.2021 and 05.08.2021, ICAR KVK, Chamarajanagara under the SCSP project "Enhancing the productivity and livelihood security of paddy growing SC farmers of Chamarajanagara Dist.," sponsored by Indian Institute of Rice Research, Hyderabad. Organized capacity development cum critical inputs distribution programme on ICM in Paddy for 100 SC farmers of Y K Mole and Erasavadi village of Yelanduru taluk, Chamarajanagara district.

The programme was chaired by Dr. Chandrakala Hanagi, Senior Scientist and Head, addressed the participants about purpose and usefulness of the project, importance of rice in human diet, facilities available and role of the ICAR KVK, Chamarajanagara, in upliftment of the SC farmers of selected area in the district. Dr. M. P. Rajana, Special officer CoA, Chamarajanagara, was Chief guest and informed about the salient features of "RNR - 15048" paddy variety and scenario of the paddy crop in India. Dr. Govindagowda, Associate Professor, CoA, Chamarajanagara released the booklet on "Bhattada adhika iluvarigaagi sudhaarita besaya tantrikategalu". Dr. Sunil C.M., Scientist (Agronomy) and Dr. Yogesh. G.S, Scientist (SS & AC), ICAR KVK, Chamarajanagar conducted the capacity development programme. Dr. Chandrashekar S Kallimani, Scientist (Sericulture) and Mr. Abhishek. P.S Scientist (Agril. Extension), ICAR KVK, Chamarajanagar were also participated. In the programme, ICAR KVK, Chamarajanagara distributed RNR - 15048 variety paddy, Azospirillum, PSB, Bensulfuron methyl + pretilachlor per emergence weedicides, and zinc sulphate to the 100 no. farmers.

SC SP project implementation at adopted village: Devalapura village

Organized capacity building on 31-07-2020 and 1250 numbers poultry chicks and 100 vegetable seed kit distributed at Devalapura village under SC SP project. Dr. Chandrakala Hanagi, Senior Scientist and Head, Chamarajanagara addressed the gathering Sri. Shivanna, Grampanchayath member and Sri Ramesh, village leader of Devalapura village were the chief guest to the programme. Mr. Abhishek. P.S., Scientist (Agril. Extn.,) organized the programme and informed about the economic management of the backyard poultry





ICAR-KVK, Chikkaballapur

Training programme on Mushroom production and its value addition

Krishi Vigyan Kendra, Chintamani, Chikkaballapura district organised three days training programme on Mushroom production and its value addition from 25-08.2021 to 28.08.2021 at KVK, Chintamani. Dr. Gowda. P.A., Assistant professor, Department of Agricultural Microbiology explained about mushroom production technologies, Ms. Bhavana, Scientist (Home Science) conducted method demonstration on mushroom value added products and Dr. Tanweer Ahmed, Scientist (Agricultural Extension) explained about role of mushroom in entrepreneurship development and different marketing channels.



Training on recent technologies in Sericulture

Training on innovative technologies in sericulture was organised for extension functionaries by KVK, Chikkaballapura on 31.08.2021. Mr. Anjaneya Gowda, Deputy Director, Department of Sericulture, Chikkaballapura along with other dignitaries inaugurated the programme. Dr. Vinoda K.S. Scientist (Sericulture), KVK, Chintamani emphasized on importance on bi voltine sericulture for doubling the farmers income. Dr. G.B. Narendra Kumar, Scientist D, Research and Extension Centre, CSB, Madiwala explained about disease management in sericulture.



ICAR-KVK, Chikkamagaluru

National level Best KVK Award - 2021

ICAR-Krishi Vigyan Kendra, Mudigere, Chikkamagaluru has bagged prestigious National Level "Best Krishi Vigyan Kendra" award 2021 for excellence in Agricultural Extension for farmers and farm women empowerment in India presented by Agriculture Today Group. The Virtual Award Ceremony was held with Chief Guest as Dr. T. Mohapatra Director General, ICAR, New Delhi and Chair A.K. Singh, DDG (AE), Krishi Anusandhan Bhawan-I, ICAR, New Delhi and Dr. M.J. Khan, President, Agriculture Today Group.

The KVK Chikkamagaluru has organized 370 entrepreneur development trainings, resulted in 377 entrepreneurs were established and earning an income to the tune of 2-8 lakhs per annum. The KVK, with its perseverance and innovations, has become a much sought-after knowledge and resource centre in the district and is also known outside the district through its special initiatives such as technology weeks, Krishimela, field days, Soil and water testing laboratory, Mushroom production, production and distribution of quality planting materials and improved live stock breeds.





ICAR-KVK, Chitradurg

Food and Nutrition for farmers:

Training programme was organized on “**Food and Nutrition for farmers**” at KVK-Chitradurga on 26-08-2021. The programme was inaugurated by Dr. Sharanappa Jagandi, Associate Director of Research, ZAHRS, Babbur Farm, Hiriyur. In his inaugural address he stressed on the importance of Food and Nutrition on farmer's health. Dr. S. Onkarappa, Senior Scientist and Head, KVK, Chitradurga presided over the programme and briefed about the importance of the program and need for balanced use of pesticides and fertilizers in crop production which will improve the health of soil and human beings. Dr. Prakash Kerure, Scientist (Horticulture) suggested kitchen garden for improving the nutrient content in food and health of farmers. Dr. Rudragouda F. C. Scientist (Agronomy) informed farmers to go for organic practices to live a healthy life. Twenty Nine farmers participated in the programme and viewed live webcast of Food and Nutrition for Farmers, hosted by ICAR.



Dr. M. Hanumanthappa, Director of Education presided over the session as President and in his remarks suggested about parthenium weed which will produced around 5000 to 25000 seeds per plant leads to reduction in yield and also impact on quality of agriculture produces and human health. Dr. M. C. Wali, Director of Research, KSNUAHS, Shivamogga, suggested to remove the weed before seed setting. Dr. Sharannappa Jangandi, Associate Director of Research , ZAHRS, Hiriyur, Dr. Madiah, Dean, College of Horticulture , Hiriyur, Dr. S. Onkarappa, Senior Scientist and Head, KVK, Chitradurga were participated in the programme, Dr. Rudragouda F Channagouda, Scientist (Agronomy) delivered lecture on integrated management practices for control of parthenium weed. Around 25 farmers present in the programme



Parthenium awareness programme

Parthenium awareness programme was conducted under India @ 75 at ICAR, on 18-8-2021. The programme was inaugurated by Hon'ble Members, Board of Management Shri. Doddagouda C. Patil., Shri.Veerabhadrapa Pujar and Shri. K. Nagarajappa, Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga.





ICAR-KVK, Dakshina Kannada

Livelihood awareness programme under strengthening and development of higher agricultural education in India for Scheduled Caste beneficiaries

Ten days training programme under India @ 75 on “Livelihood awareness programme under strengthening and development of higher agricultural education in India for Scheduled Caste beneficiaries” from 23-08-2021 to 1-09-2021 was organized. The programme was inaugurated by Dr. S. Onkarappa, Senior Scientist and Head, ICAR-KVK, Chitradurga. In his inaugural address he briefed on importance of livelihood awareness programme which helps in creation of self-employment to scheduled caste women in rural areas . Dr. Sharanappa Jagandi, Associate Director of Research, ZAHRS, Babbur Farm, Hiriyur was presided in the programme as chief guest. Dr. K. Amaresh Kumar, Scientist (Agril. Extension) has stressed on roll of skilled training to farm women in formation of Self-Help Groups in improving the livelihood. Further, imparted training on preparation and marketing of value-added products in millets and groundnut.



Impact of capacity development programmes

Coconut is one of the commercial crops grown in the district covering an area of 21772 ha and scarcity of skilled labor force for plucking and operation of plant protection activities is the major constraint. Realizing this problem, ICAR-Krishi Vigyan Kendra, Dakshina Kannada organized need based six skill based training programmes of six days duration on “Friends of Coconut Tree (FoCT) Palm Climbing Training Programme” under the sponsorship of Coconut Development Board (Ministry of Agriculture and Farmer welfare, Government of India) Regional Office, Bengaluru for rural unemployed youths.

A total of 220 rural unemployed youths nominated from different taluks by developmental departments and NGOs were trained on various aspects such as coconut based cropping system, post-harvest operations in coconut, developing leadership quality and communication skills, entrepreneurship development skills, thrift/savings management etc. In traditional method, a person can climb 30-40 trees /day

with annual income of Rs.270000, while employing advanced method Anush can climb 80-120 trees/day with Rs.720000 annual income with 250 days employment opportunity. A total of 30 youths have been transformed as entrepreneurs





Mechanization in Rice: A key to enhance productivity and profitability

The paddy cultivation that remained neglected for various reasons over the years in Dakshina Kannada, is slowly regaining its lost glory. Youths who have returned to their native following the lockdown have started showing an inclination towards farming. Thus, paddy fields that were left uncultivated over the years, have turned green with the taking up of cultivation. Totally area under paddy cultivation has raised to 12000 ha during 2021-22. During rabi season 80% of paddy land in Dakshina Kannada is kept fallow due to many reasons. In this context, a progressive farmer named Mr. Ramanath from Moodashedde village of Mangaluru Taluk has grown bumper paddy crop completely under mechanization in his 5 acres land with technical advice from Dr. Naveen Kumar B. T., Scientist (Agronomy), ICAR-Krishi Vigyan Kendra and support from Agriculture Department under Yenthra Dhare scheme.

Mechanization in paddy from seed to seed

Mr. Ramanath has adopted every steps of paddy cultivation under mechanization to combat farm labour scarcity from production of seedling to harvesting. Under technical guidance from KVK and Mechanization support from Agriculture Department, he has provided operational cost of his 5 acre land as follows.

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entrepreneurship development skills, thrift/savings management etc. In traditional method, a person can climb 30-40 trees /day with annual income of Rs.270000, while employing advanced method a Mr. Anush can climb 80-120 trees/day (Rs.50 /tree in case of big orchards and Rs.125 in small orchard is charged) with Rs.720000 annual income with 250 days employment opportunity. A total of 30 youths have been transformed as entrepreneurs

Production Cost, Yield and Profit

Farmers are losing their interest in paddy cultivation as it is not lucrative due to higher production cost in traditional method of cultivation. Under this situation, a progressive farmer Shri. Ramanath has produced 140 quintals of paddy by spending Rs. 65000 and he has demonstrated that paddy cultivation under mechanization system is profitable as he could get Rs. 145000 net income from 5 acres land.





Pheromone traps as a component of IPM for Yellow stem borer management

The yellow stem borer *Scirpophaga incertulas* (Pyralidae: Lepidoptern) of rice is one of the major destructive pests in all rice growing region of the Asia and considered as dominant and a prime devastor responsible for major causing yield loss of about 10- 60 per cent. The larvae of yellow stem borer cause dead heart and white ear during vegetative stage and reproductive stage of the crop respectively. Pheromone traps (Sex pheromone traps) are the convenient tools to monitor adult male moth population of YSB. Pheromone traps has been used for monitoring the male moth population of YSB with three reasons, the first is to detect the occurrence of the pest, the second is to identify occurrence of the pest and third is to estimate the actual field population density of the pest. In this regard to educate and create awareness about the pheromone traps as a component in integrated pest management, ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organised a capacity development programme cum method demonstrations on installation of pheromone traps for the Agri-input Dealers at ICAR-KVK (D.K) Mangaluru. In this programme, Dr. Kedarnath, Scientist (Plant Protection) educated the Agri-input dealers about the installation of pheromone traps and their uses. Totally 40 Agri-input dealers participated in this programme., Dr. Chethan N, Scientist (Fisheries) and other KVK staff were participated.



IFS – A boon for food and economic security

On the eve of “Azadi Ka Amrit Mahotsav” under the theme “Food and Nutrition for Farmers” training on “Integrated Farming System” was organized by ICAR-KVK, Dharwad on 26.08.2021. Dr. S. A. Biradar, Senior Scientist and Head, KVK, Dharwad addressed farmers that majority of India's population is dependent on agriculture as their primary source of livelihood. In this context, a significant section of population is malnourished. So, to increase the availability of nutrient dense cereals and pulses is possible by enhancing production and crop diversification at farm level. Dr. Jayashree Pattar, Scientist (Animal Science) interacted with the farmers about importance of livestock in integrated farming system, clean milk production and vital role of livestock products in human health. The resource persons Dr. A. S. Patil, Professor (Animal Science), UAS, Dharwad addressed farmers about prevention and control measures of various contagious diseases which can spread through livestock products. Shri Annayya R, Lead Bank Manager, Bank of Baroda, Dharwad explained about schemes and facilities available at Banks for self sustainable farming activities. Dr. Chamaraj Pojar, Veterinary Officer, Polyclinic Veterinary Hospital, Dharwad explained about schemes and facilities available at Dept. of Animal Husbandry and Veterinary Services. About 26 farmers and farm women, officials from the Department of Agriculture and KVK staff participated in the training.





Production of planting material through layering

Due to non-availability of guava planting material, farmers of Shirur village were interested in production of guava layers. In this regard, KVK, Dharwad Scientists interacted with Shri. Basavaraj Bali, interested farmer of Shirur village of Navalagund taluka and demonstrated layering of Guava. Around 2000 branches of L-49 variety were layered.



Method demonstration on seed treatment in Groundnut

Zinc and iron deficiency is becoming a major constraint in Groundnut production causing remarkable losses in crop yields. To create awareness about role of zinc and iron in plant nutrition. A method demonstration on seed treatment was carried out using *Rhizobium* and PSB biofertilizers in FLD on Demonstration of microbial cultures to economize phosphorus use in Kharif Groundnut in the field of Shri Yellappa Gowda Patil at Pudukalakatti village on 25.06.2021. Dr. Punitha B. C. (Soil Science), KVK, Dharwad explained the importance of using microbial cultures with competitive strains of *Rhizobium* and Phosphate Solubilizing Bacteria as seed treatment which helps in biological nitrogen fixation and solubilizing available phosphorus in soils thus, reduces the use of phosphorus fertilizers and increasing phosphorus use efficiency in *Kharif*

Groundnut. Mrs. Kalavathi K. Kambali, Scientist (Ag. Entomology), ICAR-KVK, Dharwad educated the farmers regarding the important pests and diseases in Groundnut. About 6 farmers participated in the programme.



Online training on Safe usage of pesticides

Online training on Safe usage of pesticides was organized by ICAR-KVK, Dharwad in collaboration with BASF India Ltd., Hyderabad on 02.08.2021. During the training programme, participants were trained about classification, selection, storage and spraying of pesticides along with disposal of excess pesticides by KVK, Dharwad Scientists and Dr. Palakshagouda Tippanagoudar, Crop Development Specialist, BASF India Ltd., Hyderabad. About 54 farmers/ farm women and students were participated and e-certificate was issued to the participants.





ICAR-Taralabalu KVK, Davanagere

Biofuel Project

ICAR-Taralabalu Krishi vgyan Kendra, Davanagere. KVK is implementing project on Biofuel Research, Information and Demonstration Centre(BRIDC) sponsored by Karnataka State Biofuel Development Board since 2010-11. The main activities of the project includes collection of biofuel seeds from rural areas There by increasing the employment opportunities and income to the rural community, Extraction of bio diesel and Trainings and awareness programmes to the rural community. The bio diesel can be blended at 10% with normal diesel which increases the efficiency and also minimises the pollution . KVK is regularly organising trainings and awareness programmes for the farmers.



ICAR-KVK, Ernakulam

Mini fruit orchards in each home

In order to make the district Ernakulam self-sufficient in fruit production and to ensure availability of safe-to-eat fruits in each homes, the KVK Ernakulam has been promoting the one fruit orchard in each home since 2015. The KVK conducted number of trainings & exhibitions, distributed quality saplings & organic manures and extended support services towards establishing fruit orchards in homesteads of the district. The KVK could set up nearly 850 orchards in Ernakulam over a period of 5 years. Recently on 18th August, 2021 the KVK implemented this programme among scheduled caste farmers of Alengad and Karumalloor, the DFI villages of the KVK. The scheme funded by the SCSP sub plan of ICAR-Agricultural Technology Application Research Institute (ATARI), Bengaluru comprised of supplying fruit plants, organic manures and soil ameliorants, training the beneficiaries and technology backstopping. The distribution was inaugurated at Alengad by Panchayath president Mr.Abdul Manaf and at Karumalloor by Panchayath President Smt.Sreelatha Lalu. The beneficiaries were trained on Scientific method of planting and management.





ICAR-KVK, Gadag

Blooming the flowers for better income: A success story

Shri Hanumantappa Roddanavar of Singataryanakeri village in Mundaragi taluk is one of a participant farmer under DFI programme of KVK. He never thought that he would get net income of Rs.2.62 lakhs in a year from the cultivation of Tuberose and Chrysanthemum through better management practices. Earlier, he used to get only Rs.1.00 lakh income from the same piece of land by cultivation of same crops. Farmer faced productivity constraints of loose flower buds, improper opening of flowers and faded flowers, incidence of bud borer, leaf spot disease in Chrysanthemum and incidence of thrips, leaf blight and nutrient related constraints in Tuberose. During, 2020-21, KVK made interventions of nutrient management (foliar application of micronutrients), application of neem cake and timely management of bud borer and leaf spot disease through FLD programme in 0.5 acres. In another 0.5 acres of Tuberose, KVK guided the farmer for adoption of Integrated Crop Management practices with micronutrient application, spray of *Lecanicillium lecanii* for thrips management and clean cultivation practices for blight management. KVK interventions and extension support led him to harvest 1.5 tonnes of quality Chrysanthemum flowers and 3.5 tonnes of Tuberose from 0.5 acre each



He got average price of Rs.65 for Chrysanthemum and Rs.90/- for Tuberose per Kg by selling in Gadag and Hubballi markets. Thus, this farmer got Gross Income of Rs.4.12 lakhs. He incurred expenditure of Rs.1.50 lakhs for both crops. Net Income realized was Rs.2.62 lakhs compared to Rs.1.0 lakh in earlier years

Planting of the crops to coincide flowering with festivals of Shravana, Ganesh Chaturthi, Vijayadasami and Diwali along with technical support from KVK are the major success indicators for the realization of higher productivity of quality flowers and better income. Like Mr.Roddanavar, there are 12 flower growers in this DFI village who have realized better income though adoption of better management practices under the guidance of KVK

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KVK Haveri

Drone technology for spraying

KVK Haveri (Hanumanamatti) and Dept. Agriculture, Haveri jointly organised the demonstration of 'Drone technology' for foliar application of nano urea at Neeralagi village of Haveri (taluka and district) on 23.8.2021. The Technicians from Garuda Aerospace, Chennai was involved in the demonstration and shown spraying from drone by using remote control and flying copter. The farmers of Neeralagi village (45 farmers) were benefitted by the demonstration.



Training programme on Mushroom farming

On the occasion of “Azadi Ka Amrit Mahotsav”, ICAR KVK- Haveri organised training programme on **Mushroom Farming** under the theme of **Food and Nutrition for Farmers.** the KVK-Haveri organised a training programme on 26.08.2021 to rural youths and farm women. Method demonstration on hot water treatment, spawning of substrate and incubation was also covered. About 25 beneficiaries from different taluks of Haveri district were participated in the paid training programme



Parthenium Awareness Week

On the Eve of Parthenium awareness week (16-22, August, 2021) the KVK Haveri conducted different activities viz., on-line training programme on “Cause and management of Parthenium and Compost preparation from Parthenium” was conducted on 19.08.2021 through google online meet. In this training Dr.R. Basavarajappa, Dean (Agri), Agriculture College, Hanumanamatti was inaugurated. Dr.Ashoka. P, Senior scientist and Head explained about importance and objectives of the Parthenium awareness week programme. Dr.Shanwad, U. K., Scientist (Agronomy), Institute of Organic Farming, UAS, Dharwad gave speech on effective use of Parthenium especially compost making or vermicompost production. Dr.Shivamurthy, D., Scientist (Agronomy), KVK explained about non chemical management method of Parthenium and other weeds in cropped as well as non-cropped area. In this on-line training programme more than 75 farmers were participated. The KVK Haveri also organized the Parthenium eradication programme by removing Parthenium weed followed by training programme on Parthenium weed management on 20.08.2021 at Konanatambigevillage of Ranebennur Taluka. Removal of Parthenium at different places like, KVK Building premises, dairy surrounding, farm road side and Agriculture College campus were done.





ICAR-KVK, Tumakur-2

Field Day program on Ridge gourd variety Arka Prasan

A field day Programme was organised to demonstrate the new variety of Ridge gourd “Arka Prasan” released by IIHR, Bengaluru at Rangasamudra village in Madhugiri Taluk of Tumakuru District. This programme was arranged in Mr.Manjunath Reddy Farm. In this programme more than 40 farmers of surrounding villages of Rangasamudra participated and gained information about this new variety of Ridge gourd. On this occasion Dr.Somashekhar, SMS - Plant Breeding had spoken and informed the gathering about the Potential of this Variety and the role of seed treatment on control of various diseases and pests, later discussed various improved technologies to be followed to get the maximum yield in this crop. Mr.Shasidhar K N, Technical Officer of KVK, Hirehalli also participated and coordinated in the programme. Totally 40 participants were present during the programme, later field visits were also arranged to know live demo of the crop. In this programme, Mr.Suresh N , Member of Gram Panchayath also participated.



Training programme on Climate Smart Agriculture

Training on Climate Smart Agriculture held at ICAR-KVK, Hirehalli, Tumakuru on 27th August 2021 Dr. Loganandhan N, Principal Scientist and Head, ICAR-KVK, Hirehalli has welcomed the farmers and resource persons of APMAS NGO, Anantapur, Andhra Pradesh to the programme and explained the mandates of KVK. Mr. Ramesh.P.R, SMS-Soil Science has explained NICRA interventions soil and water conservation works, short duration and drought tolerant crop varieties. Farmers visited KVK instructional farm. Later to the NICRA village D.Nagenahalli, Koratagere Taluk, Tumakuru for exploring NICRA demonstrations.



On-campus training programme

ICAR- KVK,Hirehalli Tumakuru conducted training programme on “Food and nutrition for farmers” under Azadi Ki Amruta Mahostava on 26th August 2021.Visit to instructional farm and demonstration units at KVK was arranged to DAESI students from Hassan on 26.08.2021 at ICAR-KVK, Hirehalli, Tumakuru. Mr. Ramesh.P.R, explained the various demonstration units at KVK & instructional farm to DAESI students





Off-campus training on Nutri Garden

ICAR- KVK, Hirehalli Tumakuru conducted off campus training programme on “Food and nutrition for farmers” under Azadi Ki Amruta Mahostava on 26th August 2021. at Karemadenahalli village of Sira Taluk. Mrs Radha R. Banakar, SMS-Home Science, KVK, Hirehalli explained the role of fruits and vegetables in daily diet to achieve nutrition security among farm family members. Mr Prashanth J.M, SMS-Horticulture, KVK, Hirehalli explained about the layout and use of organic micronutrients and foliar application in nutri gardens. This training programme was attended by 20 farmers and farm women from Karemadenahalli village.



Off campus training programme on Onion

Off campus training was conducted at Hosahalli village in Sira taluk. Dr.Somashekhar, SMS-Plant Breeding had spoken on this occasion informed the gathering about the importance of the Varieties to grown In this meeting Mr.Jagadish, K. N., and Mr.Shasidhar, K.N., of KVK, Hirehalli also participated. Totally 25 participants were present.



Off-campus training on Nutri Garden

Mrs. Radha R.Banakar, SMS-Home Science, KVK, Hirehalli explained the role of fruits and vegetables in daily diet to achieve nutrition security among farm family members. Mr Prashanth J.M, SMS-Horticulture, KVK, Hirehalli explained about the layout and use of organic micronutrients and foliar application in nutri gardens. Mr.Ramesh P.R SMS-Soil Science coordinated this programme. This training programme was attended by 15 farmers and farm women from Chikkadoddavadi village.





ICAR-KVK, Idukki

Poultry birds for tribal community:

Distribution of poultry as part of the NBAIR Project entitled 'Sustainable livelihood enhancement of tribal in remote tribal villages of Devikulam block, Idukki district in Kerala was conducted at B L R a m Chemakathozhukudi of Chinnakannal village on 16.08.2021. Smt Sini, President, Chinnakannal Grama Panchayat inaugurated the programme by delivering valuable suggestions. She emphasized on the importance of Farmer Seminar for sustaining the productivity of the location. Farmer seminar on awareness on importance of prevention and control of infectious as well as contagious diseases and their control measure practices were delivered to the farmers. Farmers were made aware on the Scientific Poultry practices through this Farmer Seminar and also free distribution of Poultry birds supplied to the selected NBAIR tribal farmers and farm women beneficiaries to enhance their nutritional security. The Farmer Seminar program was made effective by conducting awareness training on poultry rearing practices including Ethno- Veterinary Medicine practices by Dr S Jayababu, SMS (Animal Science), ICAR-KVK, Idukki, Kerala. Dr R Marimuthu, Senior Scientist & Head, ICAR-KVK, Idukki, Kerala and Mr. Sudhakar Soundarajan, SMS (Plant Protection), ICAR-KVK, Idukki, Kerala participated in the event. 137 farmers and farm women participated in the programme.



ICAR-KVK, Kalburgi-I

'My Food my Responsibility' programme organized jointly by HDFC Bank, Red FM with ICAR-Krishi Vigyan Kendra, Kalaburagi-I and Zonal Agricultural Research Station, Kalaburagi. The clean and quality calorie food benefits more in Life. The role of Vitamin rich food and health benefits in all age group people explained by Assistant Director of Research, ZARS and Head, KVK, Kalaburagi. The quote of the programme is 'my food my responsibility' written on board by the participants.



Sadhbhavana Harmony Diwas

Sadhbhavana Harmony Diwas jointly organized at ICAR-Krishi Vigyan Kendra, Kalaburagi-I and Zonal Agricultural Research Station, Kalaburagi on 20th August every year commemorate by the birth anniversary of Late Shri Rajiv Gandhi Ex-Prime Minister of India Assistant Director of Research Dr. M. M. Dhanoji in guest talk told all the staff to maintain and encourage integrity, peace, love, affection among the people. Senior Scientist & Head KVK Kalaburagi guest talk opined all the staff to work in collaborative and integral way. All the staffs of KVK and ZARS were present and taken oath on the eve of Sadhbhavana diwas





Celebration of 75th Independence day

The ICAR- Krishi Vigyan Kendra, Kalaburagi-I and Zonal Agricultural Research Station, Kalaburagi jointly celebrated 75th Independence day Amrith Mahostav programme on 15.08.2021 with Dr. Raju G Teggalli Sr. Scientist & Head, ICAR-KVK Kalaburagi hoisting the Indian National flag at the campus in the presence of Dr. M. M. Dhanoji, ADR, ZARS, who spoke as the president highlighted the contributions of the freedom fighters of the country and citizens should know the value of freedom and scientists to contribute the improvement in agriculture sector for uplifting of the farming community. IFFCO regional office, Kalaburagi has distributed Kitchen garden kits to the staffs on the eve of 75th Independence Day.



Parthenium awareness week

Celebration of parthenium awareness week 16th – 22nd August 2021 program by Scientists and staff of ICAR-Krishi Vigyan Kendra, Kalaburagi-I on 19.08.2021. Participants were created about awareness on impact of parthenium weeds on crops and human health and also management practices through integrated approach. A total of 25 farmers participated in the event.

Food and Nutrition programme for Farmers

ICAR-Krishi Vigyan Kendra, Kalaburagi-I organized “**Eradication of Malnutrition**” Food and Nutrition programme collaborated with ACC limited Wadi Cement Works and NGO, Myrada, Kalaburagi on 26.08.2021. Smt. Dr. Bhavani Professor and Head department of Home Science, College of Agriculture, Kalaburagi who delivered a lecture on food and nutrition and shared the details on the importance of food nutrition to overcome the malnutrition problem. She also said that Kalyana Karnataka districts are tops in the malnutrition in the state. Dr. Raju G Teggalli who presided over the program felt that malnutrition problem overcome by more use of nutrition enriched foods in our diet. Mr. Hanamtha Myrada and total 85 students from V.G Womens College Kalaburagi and farm women were participated in the programme.



Valedictory programme of 'Entrepreneurial and startup opportunities in agriculture and allied fields

The valedictory programme of 21 days Internship Training Programme for PG students of Sharnabasava University, Kalaburagi on 'Entrepreneurial and Start-up Opportunities in Agriculture and Allied Fields' under UASR, ICAR – National Agricultural Higher Education Project (IG) and ICAR - Krishi Vigyan Kendra, Kalaburagi-I was held at ICAR-Krishi Vigyan Kendra, Kalaburagi-I on 25.08.2021.





Dr. Raju G Teggalli Sr. Scientist & Head, KVK explained the activities of ICAR-KVK Kalaburagi and he said that about 21 classes were conducted on various subjects related to agriculture and by scientists and exposure field visited to different successive entrepreneurs and progressive farmer's field of the district. Inaugural Speech by Dr. D. M. Chandargi Director of Extension & PI (NAHEP-IG) UAS, Raichur praised the students and KVK for excellently conducting the programme. Dr. Suresh S. Patil Dean (Agri) College of Agriculture, Kalaburagi and Dr. Nagabasavanna Guragol Dean, Faculty of Science & Technology Sharnabasava University, Kalaburagi attended as chief guests and explained the necessity of conducting this type of training programme is very useful to the students to get the technical information about agriculture and to share to the farmers of their villages and wished to the students for their successful future

The programme arranged by strictly following the COVID protocol, was attended by students and staffs of KVK, ZARS and Sharnabasava University, Kalaburagi were participated and distributed of certificates to the participants by the dignitaries. At the end Dr. Zaheer Ahmed thanked all the participants



Awareness programme on use of IFFCO nano urea (liquid) in vegetables

Awareness programme on “Role of Nano urea in reducing application of conventional urea at farmers field trial” demonstration was conducted by ICAR-Krishi Vigyan Kendra, Kalaburagi-I scientists in collaboration with IFFCO regional office Kalaburagi at Kadaganchi and Suntanur Villages of Aland Taluka and Kalabuagi district on Onion and Chilli crops on 14.08.2021. Nano Urea contains 4 per cent of total nitrogen; it is ecofriendly, highly bio-available, reduction in transportation and storage costs. One bottle (500 ml) Nano urea is equal to one bag (45 Kg) urea which supplies 40 per cent of nitrogen with 10 per cent less cost of conventional urea benefitting both government and farmers





ICAR-KVK, Kalburgi-II

Capacity development programme for SC farmers

ICAR-KVK, Kalaburagi-II, University of Agricultural Sciences, Raichur and AICRP on Dryland Agriculture, Vijayapura, University of Agricultural Sciences, Dharwad jointly organised Training programme and distribution of critical inputs to SC farmers under SCSP Scheme on 16.08.2021 at Hipparaga S.N Village, Jewargi Taluk, Kalaburagi Dist. Dr. A.S Sajjan, Associate Director of Research, ZARS, Vijayapura was the chief guest of the function. During this event, Dr. M.S. Shirahatti, PI, AICRP on DLA, ZARS, Vijayapura delivered lecture on Soil and water conservation practices in Pigeonpea crop and role of soil moisture in Pigeonpea crop production. Dr. R. A Nandagavi, Assistant professor of Agronomy, ZARS, Vijayapura delivered lecture on improved agronomic practices including ICM in Pigeonpea and Dr. Vikram Simha HV, Scientist, ICAR-KVK, KALABURAGI-II given important value addition practices in Pigeonpea. Further Dr. Basavaraj, Scientist, ICAR-KVK, KALABURAGI-II spoken on integrated pest and disease management in Pigeonpea and Er. U.M Momin, Assistant professor of SWCE, ZARS, Vijayapura briefed on soil and water conservation practices in dry land Agriculture, and Mechanization for pulse.

Smt. Devaki P. Channagola, President, Gram Panchayat, Hipparaga S.N. Presided the ceremony. A total of 75 SC farmers were participated and availed the benefits.



ICAR-KVK Kannur

Cardamom a new crop to high hills of Kannur

An On-Farm Testing trial on cardamom, which is a new crop to northern high hills of Kannur district, was started at Udayagiri and Cherupuzha Panchayath. Field visit was conducted by KVK scientists. High yielding varieties of cardamom namely PV3, PV5, ICRI-5 and the farmer preferred variety Njallani of Idukki district were distributed to test the suitability of cardamom varieties in the area.



Agri-Business Meet of Mayyil FPO

Agri-business meet was organized at KVK Kannur for Board of Directors of Mayyil FPO to evaluate the current performance of FPO and to formulate business plan for the next year. Sri. Jishimon, District Development Manager of NABARD and Sri. Frony John P., Lead District Manager addressed the director board members of Mayyil FPO. Detailed discussion on business plan preparation was held. Sri Arun K P, Director RUDSET Institute, Kannur and Senior faculty Sri. Abhilash also attended the meet.





Orientation to Nutri-Garden for Master trainers

In collaboration with Kudumbashree Mission an online orientation programme for master trainers on nutri-garden was organized by KVK Kannur on 31st August 2021 to promote the scheme on development of nutri-garden in the rural Panchayath of Kannur district. The upcoming scheme aims to ensure nutritional security in over 30000 homesteads of all panchayats in the District. Dr. Jayaraj P., Programme Co-ordinator has given key note address. Classes on concept, layout and management of nutri-garden, and composting methods in homesteads were handled by subject matter specialists of KVK.

Online training programme on processing and value addition of banana

Online training was conducted on processing and value addition of banana at KVK Kannur on 13.08.2021 via Google meet. The session and discussion was handled by Smt. Jizzy George, SMS (Home Science) at KVK Alappuzha. More than 100 farmers/farm women participated in the training programme.



Inauguration of Diploma in Agricultural Extension Services for Input Dealers (DAESI)

A one year Diploma in Agricultural Extension Services for Input Dealers (DAESI) programme was inaugurated at ICAR-KVK, Gonikoppal on 18th August, 2021 in collaboration with SAMETI, UAS Bengaluru, MANAGE, Hyderabad and Dept. of Agriculture, Kodagu District. Dr. B.N Shrinivasa Murthy, Director, ICAR-Indian Institute of Horticultural Research, Bengaluru was inaugurated the programme. During his inaugural address, he opined that it is a welcome step by the government to train the input dealers, so that they can give correct advice to the farmers and can bridge the wide gap existing between farmers to extension agents in the country.

Dr. G.R. Pennobaliswamy, State Nodal Officer, SAMETI (South), UAS, Bengaluru highlighted the overview and importance of DAESI programme. He opined that a only 2-3% of the farmers are accessing agricultural technology related information through state agri departments/universities/KVK etc., parallelly, more than 25% of the farmers are obtaining these information from agri input dealers. This was followed by an address by Smt. Shabana Sheik, Joint Director, Dept. of Agriculture, Kodagu. In his address he spoke about how input dealers helpful to farming community and role of para extension workers in order to achieve sustainable agriculture.





ICAR-KVK Kolar

KVK Shivamogga team visits KVK Kodagu Puthari FPO

As part of cross learning about Farmer Producer Organization. A team comprising of Dr. Hanumanthappa, Senior Scientist & Head and four scientists of Shivamogga Krishi Vigyan Kendra visited KVK Kodagu and Puthari Farmer Producer Company. The team discussed with Dr. Saju George, Principal Scientist & Head and his team of Scientist about Initiation and functioning of Puthari FPCL. Ponnanna ,H.R. Chief Executive Officer, explained ongoing activities of Puthari . A visit to the Retail and Rural mart was arranged on the occasion. NABARD, KVK and Puthari FPCL efforts was lauded by the visitors and worth to emulate the model in their district, as they are also becoming a POPI to two FPOs shortly.



Parthenium awareness programme conducted at Chikkaluvara village

ICAR-KVK Gonikoppal, Kodagu team conducted an awareness programme on eradication of parthenium on 16th August 2021 at Chikkaluvara village, Somvarpete taluka, Kodagu. The farmers were informed about the adverse effects of parthenium growth. The KVK team along with the farmers uprooted the parthenium plants at the farmers' fields.

Celebration of Parthenium Awareness Week

KVK Kolar organized various programmes during parthenium awareness week from 16th to 22nd August, 2021. An off-campus capacity development programme on management practices of parthenium through an integrated approach was conducted at Muthanuru village in Bangarpet taluk on 17.08.2021. Followed by an awareness campaign conducted in Uppukunte, Kolar taluk on 18.08.2021 and another awareness programme on the impact of parthenium on human health and composting was organized at Yadahalli, Kolar taluk on the same day. A capacity development programme on integrated management of parthenium through online was also conducted on 19.08.2021. A total of 145 farmers and extension officials participated in the said programmes.



FFS on Sericulture

Kolar district is known for silk production and majority of mulberry area is under rainfed cultivation. To conserve moisture, trenching and mulching practices play a major role in quality mulberry leaf production throughout the year. In this context, KVK Kolar has initiated a FFS on "Enhancing leaf yield through trenching & mulching practices in mulberry cultivation" at Muthunuru village, Bangarpet taluk on 25.08.2021.





Food & Nutrition programme live streaming

KVK, Kolar has organized live streaming of Shri. Narendra Singh Tomar, Honorable Minister of Agriculture & Farmers Welfare's Programme on Food & Nutrition, apart from a capacity development programme on same issue was organized on 26.08.2021. A total of 50 farmers & farm women were educated on importance of kitchen garden in human health & importance of balanced food



Earn while you learn: A success story of student farmer in Kollam Dist

Ashik Deth C.S., son of Sri. SujeerDath, Ally house, Chavarcode, Paripally P.O., Kollam is a 19 years old ongoing graduate student from Sree Narayana College, Varkala. He has been showing keen interest in farming activities since his childhood and passionate in vegetable cultivation, raring poultry and goat. He is self-supportive to meet his educational expenses by selling his farm produces like vegetables, eggs and chicks of Vigova, Muscovy duck, Turkey, guinea fowl, Japanese quail and Kadaknath hens etc. Considering his interest in farming the agricultural officer of Kalluvathukkal panchayat Shri. Dhanya Krishnan selected his farm under the scheme of Jaivagriham program

and allotted various inputs to start nutri garden, azolla farming, family drip irrigation kit etc. Despite his regular classes he took special interest to attend training programme of Agriculture department and Krishi Vigyan Kendra Kollam to learn more about scientific farming practices. During the lock down period in the month of May, 2021 he approached KVK for farming enquiries and advisories. Seeing his interest and zeal for becoming a young Agri entrepreneur he was included under frontline demonstration to take up cultivation of Yard long bean variety Deepika. He has provided necessary inputs and technical guidance for the demonstration. In addition, to that we are selected him for the OFT entitled "Assessment of different broiler duck varieties for meat production" in Kollam district.

As a member of National service scheme in the college, he is also active in vegetable farming under rain shelter in the campus. Ashik Deth has become a motivation to several students and youth of the panchayat to take up vegetable and poultry farming activities at their home. He is an inspiration to youth and Self-help groups and conducts motivational classes and share his experiences in the nearby areas. The frontline demonstration of Yard long bean enabled him to grab the Best student farmer -2021 of the Kalluvathukkal Panchayat, Kollam district. He earns an amount of Rs. 10000/ month and this extra income helps him to support his education and at times his family too





ICAR-KVK, Lakshadweep

Neera production has been tested for the first time in Lakshadweep islands. KVK have conducted trails on the neera production using ICAR-CPCRI, Kasargod sap chiller method and traditional method. Neera produced through sap chiller method found to be very useful for extending the shelf life of neera.



Faculty Dean, KCAET inaugurated the programme and also felicitated the farmers, including Mr. Saifulla, a post graduate youth, an innovative farmer who bagged the state award for best young farmer, last year.



Parthenium awareness campaign

Parthenium awareness campaign was organized at KVK Malappuram on 16th august 2021 to create awareness to farmers and general public for the efficient control of Parthenium (Noxious weed). The integrated management of Parthenium including mechanical, manual, chemical and biological methods, health hazards to human and animals was discussed in the session

ICAR- KVK, Malappuram

Chingam onnu' the farmers day celebration

The Kerala state farmers day was celebrated at ICAR-KVK Malappuram, with spirit and vigor of farmer fraternity on August 17 (Chingam 1, first day of Malayalam calendar), where the representatives of farmers from different blocks of the district were invited. Eight progressive farmers were honored on this occasion for their contribution as progressive farmers evoking the inspiration for the community and enthusiasm they inculcated in adopting new technologies for the modernization of farming. Dr. Sathian, K.K.,



Integrated Nutrient Management - Practical training to fertilizer dealers

To uplift the dealers of fertilizers to a level of agriculture extension service providers with scientific knowledge on Integrated Nutrient Management, a certificate course is provided in collaboration with the Central Training Institute, Mannuthy, KAU and Department of





Agricultural Development and Farmers' welfare. The three days practical session of the same for the participants 5th batch of Course from Kozhikkode and Malappuram district, was coordinated by Ms. Prasanthi K. Assistant Professor (Agronomy) on 25th to 27th August 2021. A total of 20 participants successfully completed the course.



Food and Nutrition awareness programme

As a part of national level campaign of “Azadi Ka Amrit Maholsav” an awareness session on Food and Nutritional security was organised at KVK Malappuram on 26-08-2021. Forty farmers were participated in the programme coordinated by Dr. Lilia Baby, Asst. Professor (Home Science). The importance of dietary diversification in addressing the malnutrition was highlighted. Also, the bio fortification as a strategy to tackle the hidden hunger was highly emphasized during the session. Farmers were familiarized with 71 nos of bio fortified cultivars of 16 crops developed by ICAR. The training was followed by the distribution of bio fortified sweet potato “Bhu Krishna” to the selected farmers.



Kisan gosthi programme

To mark the occasion of Chingam 1, the first month of the Malayalam calendar and the beginning of Malayalam New Year, KVK organised Kissan Gosthi on 17th August 2021. On the occasion the Preeminent Farms Agro Farmer Producer Company Limited promoted by KVK opens up its office for public to facilitate the activities of shareholders of the company and to ease the marketing of company's produce. On the occasion, the company also inaugurated the 3 days Onam Market scheduled from 17th August to 19th August 2021 as part of Onam Fest.



Soil health campaign at district level

As part of promoting the significance of soil sample analysis in agriculture, KVK Pathanamthitta launched 'Programme for soil health management at district level' on the eve of farmer's day, celebrated on the first day of New Year according to Malayalam calendar. It is very essential to implement soil test-based fertilizer application for improving the soil fertility as well as to reduce cost of production. With an objective to popularize this concept KVK is implementing Soil Health campaign at district level. The district level inauguration of the programme done by Adv. Pramod





Narayanan, Hon. MLA of Ranni constituency. The programme aims to cover 2-3 wards from each selected panchayat in Pathanamthitta district viz, Vechuchira, Kodumon, Kulanada, Kunnanthanam and Nedumpuram. Soil sample collection will be done based on grid method and Soil Health Card with fertilizer recommendation will be distributed to farmers. It is scheduling to complete the programme by 2021 December 5th and around 3000 farmers will be benefitted out of this



Capacity building for sericulture officials
KVK, Ramanagara in collaboration with Department of Sericulture, Ramanagara organised a capacity building program for officials of Department of Sericulture on “Improved management practices in Mulberry” on 18.08.2021. The sericulture assistants of Ramanagara district had listed the field problems faced by sericulture farmers in the district before the technical sessions. Dr. Rajendra Prasad, B S., Scientist (Plant Protection) briefed about the major problems in mulberry with respect to insect pests. As GoI has banned the use of Dichlorvos 76 EC (Nuvan), University of Agricultural Sciences, Bangalore has recommended Chlorfenapyr 10 SC as alternative chemical for the management of leaf Webber in mulberry. Recently, the shifting of yellow board mite from chilli to mulberry has alarmed sericulture industry. Hence, UAS (B) recommended, spraying of Propargite 57% EC @ 2 ml/L of water at early stages of the crop gives which provides control on mite infestation. Mrs. Preethu, Scientist (Soil Science), highlighted that composting of sericulture waste, using 1 kg of microbial consortium per tonne of sericulture waste following scientific method. Also waste decomposer, can speed up the decomposition process and helps to obtain compost high nutrient within 80-90 days. Deputy Director of Sericulture, Assistant Director of Sericulture, and 32 Sericulture Officers from Magadi and Kunigal taluks participated and were benefitted by the programme.





ICAR-KVK, Shivamogga

Capacity development programme on Nursery management in Horticultural crops
ICAR-Krishi Vigyan Kendra, Shivamogga conducted 3 days skill oriented capacity development programme on “Nursery management in Horticultural Crops” under ARYA project from 17-08-2021 to 19-08-2021. The objective of this programme was to learn the different skills of nursery management through practical experiences and hands-on-training related to various nursery activities. The theoretical sessions like need for plant multiplication, propagation structures: Mist chamber, greenhouses, glasshouses, cold frames, hot beds, poly-houses, use of growth regulators in seed and vegetative propagation, selection and maintenance of mother trees, collection of scion, techniques of propagation through specialized organs, corm, runners, suckers, nursery registration, insect/pest/disease management in nursery were delivered by Training Co-ordinator - Ms. Smitha G.B, Scientist (Horticulture), KVK, Shivamogga, Dr. D. Thippesha, Professor & Head, Department. of Horticulture, Dr.Nagarajappa Adivappar, Principal investigator, Areca research project and the practical sessions were handled by the Training Co-ordinator - Ms. Smitha G.B, Scientist (Horticulture) and Nursery entrepreneur Mr. Shashikumar, Durgamba nursery, Shikaripura. Totally 15 youth participants were attended and get benefitted in this capacity development programme



ICAR-KVK, Thrissur

Virtual farm field school

The inauguration of the first ever Virtual Farm Field School on Rice being conducted by Krishi Vigyan Kendra, Thrissur, was held on 17th August 2021, the first day of *Chingam*, the first month of the Malayalam New Year, at Arimpur, Thrissur.

The Virtual Farm Field School is envisaged such that regular field level classes will be conducted on field at any one particular location, following all Covid -19 protocols and with physical participation of permitted number of farmers. The class will also be live streamed through suitable online platforms in order to widen the reach of scientific techniques and management practices among farmers of the entire district.

The programme was inaugurated by Smt. Smitha Ajayakumar, President, Arimpur Grama Panchayath. The first class was on the preparatory topic “Scientific ways of Rice Cultivation – things to be taken care of”. Dr. P.S John, (Rtd) Professor, KAU handled the session from Arimpur and the programme was transmitted online through Google Meet to reach more participants throughout the District. Dr. Suma Nair Programme Coordinator, Dr. Deepa James & Smt. Arathy Balakrishnan, Assistant Professors, KVK Thrissur, Smt. Lakshmi Mohan, Agricultural Officer, Arimpur, Smt. Shimmi Gopi, Vice President, Arimpur Grama Panchayath spoke on the occasion





ICAR-KVK, Uttara Kannada

Best Krishi Vgyan Kendra Award

ICAR-Krishi Vigyan Kendra, Uttara Kannada, Sirsi, has bagged the Best Krishi Vgyan Kendra Award 2021 in the category of dissemination of Banana technologies by ICAR- National Research Center on Banana, Thiruchirapalli, Tamilanadu during 28th Foundation Day. The award was received from Dr. S. K. Malhotra, Agril. Commissioner, GoI, New Delhi on 21.08.2021 through virtual mode.

Banana is an important fruit crop of Uttara Kannada district which is mainly grown as mixed crop in Arecanut garden. The region is also known for traditional/local banana varieties viz., kari bale, boodh bale, mitli, mysore mitli, sakkare bale, shanbale, bargi bale which are used for table as well as vegetable. Along with traditional varieties, G-9 variety of Banana is being cultivated as sole crop in transitional talukas viz., part of Sirsi, Mundagod and Haliyal.

ICAR- Krishi Vigyan Kendra, Uttara Kananda has disseminated the banana based technologies on advanced production technologies, plant protection, introduction of new varieties and processing & value addition through various extension activities. Technologies disseminated are widely adopted by the banana growers of the district. This excellence is only because of the great team work of staff member of ICAR-Krishi Vigyan Kendra, Uttara Kannada and brought the glory to the institute with Best KVK Award- 2021



ICAR-JSS KVK, Suttur (Mysore)

Parthenium awareness progra

ICAR JSS Krishi Vigyan Kendra Suttur has organized parthenium awareness program at Sollpura Hadi village H D Kote taluk on 17th August 2021 and Parthenium uprooting and cleaning in KVK campus by involving KVK staff and farmers on 19th August 2021. The awareness program on 17th August 2021 was organized in school campus of the Sollepura village H D Kote taluk.



Live telecast programme on Food and Nutrition for Farmers

Under the events of “Azadi Ka Amrit Mahotsava” ICAR JSS Krishi Vigyan Kendra has organised live telecast programme on Food and Nutrition for farmers. Mrs. Divya H.V., Senior Scientist and Head (I/C), ICAR JSS KVK Suttur talked about harmful effects on human health by excessive use of chemicals in farming. Mr. Shamaraj, Scientist (Agronomy), ICAR JSS KVK Suttur has explained about the Paddy cultivation regarding ways and means of enhancing productivity and minimizing the cost in paddy through use of green manures, organic manures along with recommended dose of fertilizers and by adopting Direct Sown Rice (DSR) technology. Mrs. Netravati Yattinamani, Scientist (Home Science) explained about balanced diet and importance of kitchen garden





Inauguration of paddy machine transplanting event

On 18th August 2021, His Holiness Shri Shivaratri Deshikendra Swamiji has inaugurated paddy machine transplanting in a farmer Shivakumar field at Kalmalli village Nanjangud taluk Mysuru District. ICAR JSS Krishi Vigyan Kendra Suttur in collaboration with SKDRDP Mysuru has been demonstrating and popularizing paddy machine transplanting in the district and providing technical guidance to farmers about tray nursery preparation, INM and IPDM practices in paddy



Capacity Building of Faculty and Master trainers for FFS

ICAR JSS Krishi Vigyan Kendra, Suttur, conducted one day training programme on 18th August 2021 under Azadi ka Amrit Mahotsav on topic “Capacity Building of Faculty and Master trainers for FFS Curriculum development of vocational training /courses”. Extension functionaries from Mycaps(Mysuru), Outreach (Hunsuru) and BAIF (Arakalagudu) are trained in the programme. In this programme Smt. H.V.Divya, Senior Scientist and Head (I/C), ICAR JSS KVK, Suttur has explained about technical information on paddy production, yield gap at farmer level due to technology gap



Azolla as a cattle feed-Method Demonstration

ICAR JSS Krishi Vigyan Kendra Suttur has conducted method demonstration on azolla production at Magudilu village, H.D. Kote Taluk, Mysore district on 18th August 2021. According to the 20th livestock census, about 400 milch cows are present in the village and more than 1500 liters of milk are being procured by MYMUL. The common problems observed in dairy sector viz., Anoestrus, low FAT, low SNF and malnutrition in the village. After prioritizing the problems, the institute selected azolla feed technology of ICAR-NIANP to address the problems such as malnutrition, anoestrus and lower SNF. KVK Animal scientist trained more than 35 dairy farmers on quality production of azolla, benefits of using azolla as cattle feed and its cost saving. The inputs such as azolla bed, shade net for azolla production unit and azolla culture were distributed to farmers for azolla production



Latitude: 11.996855
Longitude: 76.370816
Elevation: 697.52±11 m
Accuracy: 0.3 m
Time: 08-18-2021 13:09



ICAR-KVK, Trivendram

Celebration on Chingam 1

Chingam 1, first day of the Malayalam calendar that is celebrated as Farmers' Day in Kerala, is special to farmers of the state. This year, the occasion was all the more special for many of them as they had ventured in spite of the difficult lockdown conditions. Mitraniketan KVK in association with Maranalloor Krishi Bhavan celebrated the farmers' day on 10-08-2021. The event was inaugurated by Adv. I.B. Satheesh, MLA of Kattakkada constituency. Block Panchayat President Adv. D. Suresh Kumar, Gramapanchayat President, Shri. A.S. Suresh Kumar, Smt. Santha Prabhakar, *Chairperson, Block Standing Committee, for Development, Vice President Smt. Meenakumary, Chairperson, Standing Committee, for Development, Shri. Sudheer Khan, Gramapanchayat Standing Committee for Development, Smt. Premavally, Standing Committee Chairperson for health, Shri. Anto Varghese* participated in the programme.

Dr. Binu John Sam, Senior Scientist & Head of Mitraniketan KVK and Smt. Chithra G., Subject Matter Specialist (Agricultural Engineering) of KVK gave felicitations at the programme. Smt. Deepa J., Agricultural Officer, Krishi Bhavan and other technical officers also attended the programme.

KVK, as a part of Front Line Demonstration, gave demonstration of a semi-manual cassava harvester, a farmer innovative product during the event. The manual method of harvesting is slow and requires more energy and manpower to harvest. This leads to high root tuber breakage. The semi-manual cassava harvester is simple, light weight and easy to handle. One equipment was

handed over to Shri. Simon, the innovative farmer, during the programme. Another equipment was handed over to the Agricultural Officer Smt. Deepa J., by Adv. I.B. Satheesh, MLA of Kattakkada constituency, to demonstrate the equipment for other farmers of the panchayat. The marginal affordable price of the equipment was widely accepted by small and marginal farmers. The equipment was found to be both ecofriendly and a meant for drudgery reduction for the farmer's cultivating cassava





ICAR-KVK, Udupi

Food and Nutrition for Farmers

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences Shivamogga, Indian Council of Agricultural Research, New Delhi and ICAR- Krishi Vigyan Kendra, Brahmavar has organized Capacity Building Program on Food and Nutrition for Farmers at Kalthodu village, Byndoor taluk on 26/08/2021. Shri Venkatesh Hebbar, President Bhartiya Kisan Sangh Kundapura in his presidential speech, addressed the gathered farmers to consume more nutritious food along with different fruits and vegetables and he also encouraged them to grow vegetables by their own. Shri. Sanjeeva Naik, SADH, Kundapura taluk, Dr. Dhananjay B, Senior Scientist and Head, ICAR- KVK Brahmavar, Shri. Shekhar Shetty, Member, Grama Panchayat, Kalthodu, Shri. Ramayya Shetty, Progressive farmer, Kalthodu were Chief guests of the programme. Dr. Chaitanya H S, Scientist (Horticulture), as resource person, gave information about Organic Kitchen Gardening, it's importance, nutrition values of different fruits and vegetables. Dr. Naveen N E, Scientist (Agronomy), has demonstrated composting technology using coconut fronds along with different composting cultures. Dr. Sachin U S, Scientist (Plant Protection) has co-ordinated the programme. Total 73 farmers & farm women were participated in the programme



Hon'ble Minister of State in the Ministry of Agriculture and Farmers Welfare visit

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Zonal Agricultural and Horticultural Research Station, Brahmavar, ICAR- Krishi Vigyana Kendra Brahmavar, Kedarotthana Trust, Udupi has jointly undertaken planting of 1500 acres of paddy fallow land during the monsoon of 2021-22. Hon'ble Minister of State in the Ministry of Agriculture and Farmers Welfare, Miss. Shobha Karandlaje has visualized the progress of the cropping system and also participated in weeding activity along with other farm women, students, ZAHRS & KVK staff at Kadekar village, Udupi taluk on 20.08.2021 and also explained about different schemes for agriculture announced by Govt. of India to the farming community.





ICAR-KVK, Vijayapura-I

Pomegranate a crop for doubling farmer income: A success story

In Karnataka, Pomegranate is predominantly grown in the districts of Vijayapur, Bagalkot, Belgavi and Bellary. Karnataka contributes around 20% of national production. However, long dry spells, unseasonal rains and hailstorms coupled with bacterial blight disease have in turns resultant drop in yield and also frequent crashes in prices of the fruits. This is a burning issue of Pome grower in the districts and farmers have been badly affected to sustain their livelihood and many of them may have stopped cultivating the fruit.

Shri Bhimu Daji Narale, a farmer from Ratnapur village near Tikota in Vijayapur district had a small family of two boys and a girl. He knew that Pomegranate farming would improve financial status of a family and boost up living standard of life, when he started pomegranate cultivation in his 1.8-acre farm five years ago. By successful digging of a bore well after failure of four bore wells. He had planted 730 seedling of Pomegranate variety Kesar with a spacing of 10x6feet by investing 2.59lakh including establishment of borewell, drip system and crop management practices by taking loan from bank. After fruit bearing years he earned only Rs 50,000 and Rs. 65000 in the beginning of first two years with investing for insecticides, fungicides and fertilizers with total cultivation cost of Rs 90,000, due to uncontrollable bacterial blight and low yield with poor quality fruit. The deadly disease not only destroyed his farm, but also devastated his dreams of becoming debt-free total amount of Rs.3.49lakh. Later, Shri Pavan Kumar a progressive contact farmer of Krishi Vigyan Kendra Vijayapur advised our case study farmer to visit KVK for getting technical guidance of Pome cultivation. He

took training on “Quality pomegranate fruit production techniques by adopting IPM practices” for two days .Then farmer adopted all the advanced production technologies under the guidance of KVK scientists. Initially He added lot of organic matter from his 4 buffalos and 5goats, wide spread disease of bacterial blight and malnutrition in the Pome field managed by IPDM and INM improved practices.

Major breakthroughs in the cultivation of pomegranate such as resting period, pruning of plants, use of plant hormones, schedule of plant protection and major use of organics to obtain better fruit size have contributed to farmer in increasing the production of quality pomegranate fruits to meet the preference of consumers in the domestic and international markets. After subsequent years of intervention of KVK, farmer earned 8lakh, 9lakh and this year 2021, earned highest profit amount of Rs.11 lakh which made farmer debt free and increased farm profit to the maximum extent, which brought smile in the face of farmer.

Nowadays, farmer become model farmer and around 35 farmers in and around of his village adopted pomegranate cultivation as per the guidance of our farmer become appreciable scale up.Pomegranate is referred to as 'super fruit' because of its high nutritive value, high antioxidant

Capacity, high potentially bioactive compounds, chemo- preventive properties having medicinal value and high consumer's appeal. In the recent past pomegranate gained momentum due to the production technologies developed by scientists and pomegranate can be successfully cultivated even under severe drought. With all this the area under pomegranate is not increasing as per the expectation and farmers are not giving



emphasis on production of export quality fruits. In this consequence, to increase yield potentiality and quality fruit production in the Vijayapur district holistic approach of supply of blight resistant pomegranate cultivars, evolving short duration cultivars, supply of quality antibiotics to farmers by the state Department of Horticulture and guidance to adopt organic cultivation of pomegranate to ensure good export and local market.

Intervention in providing subsidies to the farmers, creating infrastructure facilities for production, post-harvest management and marketing and research support will go a long way in developing pomegranate crops in the dry areas and help the farmers in getting better returns. Case study was documented by Mr. B.C.Kolhar Senior Technical Officer under the leadership of Dr.Shubha S, Senior Scientist and Head, KVK Vijayapur.



Food and Nutrition for Farmers

Krishi Vigyan Kendra, Vijayapur I organized two lectures on Food and Nutrition for Soil and Food and Nutrition for farmers at Krishi Vigyan Kendra on 25.8.2021 on the occasion of Azadi ka Amrut Mahotsav. Dr.Vidyavati.G, Assistant Professor, Department of Soil science College

of Agriculture, Vijayapur spoke about the importance of soil health for good nutrition. Further Dr. Kashibai Khyadgi, Professor and Head, Department of Food Science and Nutrition, College of Agriculture, Vijayapur was the resource person for the programme. A Live speech of Hon'ble Union Agriculture minister addressing the farmers was also telecasted. Dr. Shubha S., Senior Scientist and Head, Krishi Vigyan Kendra, Vijayapur gave the introductory remarks and explained the purpose of the programme. Dr. Prema Patil, Scientist, Home Science organized and welcomed the gathering. Shri. Shrishail Rathod proposed the vote of thanks. Nearly 86 farmers participated in the programme





ICAR-KVK, Vijayapura-II

Scientist visit to DFI villages and training for farmer

Dr. S.S. Anjum, Scientist (Plant Protection), ICAR, KVK Vijayapura-II (Indi) visited the farmers fields at DFI village Manakalagi and observed various diseases in Redgram, maize, onion, citrus and pomegranate. The major disease observed is sterility mosaic virus disease in Redgram. Scientist suggested for precautionary measures for the management of above said disease and also conducted off campus training programme on Kharif crop diseases and their management



Visit to Successful Dairy farm entrepreneur

Animal Scientist of KVK, Indi Visited the dairy farm maintained by one of the contact farmer Mr. Raghavendra native of Ahirsanga Village, Indi taluka. He underwent several trainings and also visited several farms before initiation of dairy activity. Further, with guidance and support of KVK, Indi he is rearing around 9 Holstein Friesian (HFX) cross bred cows and three Murrah buffaloes. At present the milk production is around 150-160 litres per day. He sells the milk to local KMF milk society and annually his net income is around 3-3.5 lakhs.



Food and Nutrition for Farmers

On 26.08.2021 ICAR, Krishi Vigyan Kendra, Vijayapura-II (Indi) organized training programme on food and nutrition for farmers in collaboration with DHAN Foundation, Indi. Shri Shivu, Pujari, community accountant, DHAN foundation was the chief guest of the function. Dr. Santosh Shinde, Scientist (Animal Science), KVK, Vijayapura-II (Indi) presided the function. Shri Shivu Pujari, community accountant, DHAN foundation expressed their activities and role of DHAN foundation in promoting the farmers for having quality life in terms of nutritious food and other issues. Dr. Santosh Shinde Scientist (Animal Science), KVK, Vijayapura-II (Indi) delivered lecture on importance of nutritious food for health well being for all aged groups of community. Also expressed and requested farmers to adopt nutri garden in their place for having good quality of vegetables. Dr. S. S. Anjum Scientist (Plant Pathology) requested farmers to eat healthy and chemical free food by growing in their field. On this occasion live telecast address with regard to food and nutrition to farmers by Hon'ble Union Agriculture Minister Shri. Narnendra Singh Tomarji and State Agriculture Minister Shri Kailash Choudhary was arranged. Around 65 farmers were present in this occasion. The programme ended with vote of thanks by Mr. Majeed G. Technical Officer (Computer)





FREEDOM FIGHTERS

OLYMPIANS



NAMMA BELAGAVI



Rani Chanamma



Belavadi malamma



Sangoli Rayanna



P.D. Chougule
First Olympic Marathon
Runner, 1920



Bandu Patil
Hockey player 1964



SUVARANA VIDHANA SOUDHA
SECOND CAPITAL OF KARNATAKA

INDIAS TALLEST FORT
LAKE FLAG



TABLEAU OF THE TIDE RISING
CONGRESS SONGS OF SEER
PREPARED BY RESIDENT YAMAH



KAMAL BASTI



BHIMAGAD WILD LIFE SANCTUARY



BIRDS SANCTUARY CHATAPRABHA



BELAGAVI KUNDA



GOKAK KARADANT





NAMMA BELAGAVI

GOKAK FALLS



GODACHINAMALKI FALLS



VAJRAFOHA FALLS



HIDKAL DAM



GOKAK MAIZE PROCESSING UNIT



SUGAR FACTORY



GOKAK COTTON PROCESSING UNIT





NAMMA BELAGAVI



GLBC BARRAGE, DHUPADAL

Water Resource

Dams (04)-Hidkal Dam, Shirur Dam, Navilu terta Dam and Rakaskop Dam. Barrage (01)-Dhupadhal.

Rivers (07)- Krishna, Ghattaprabha, Mallaprabha, Markandeya, Hiranyakeshi, Doodhaganga, Vedhaganga

Major crops

Sugar cane, Soybean, Maize, Turmeric, Vegetables and Fruits

Our agriculture products

Sugar, Jagary (Liquid & Powder), Turmeric powder, Kapli wheat sooji, Mango pulp and pickle, Resins, Cashew nuts and organic value added products

- * Sugar bowl of Karnataka with 24 sugar factories in a district
- * Vegetables and Fruits Supply hub for Karnataka, Goa and Maharashtra
- * District finds a second place in Karnataka milk production





KVK TIMES

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

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PATRON

Dr. V. Venkatasubramanian
Director, ICAR-ATARI Zone XI, Bengaluru

COMPILATIONS AND EDITING

Sri. Dhanajay Chougala
Senior Scientist and Head
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1

Sri. Adarsh H. S.
Scientist (Fisheries)
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1

Sri. Parashuram Patil
Scientist (Horticulture)
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1

Sri. Umesh Patil
Program Assistant (Computer)
ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1



हर कदम, हर डगर
किसानों का हमसाफर
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