

Vol 01 Issue 02 16-31 July 2021

# KVK TIMES

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



ICAR-Agricultural Technology Application Research Institute  
Zone XI, Bengaluru  
University of Agricultural Sciences, Dharwad

# Acknowledgement

I would like to express my gratitude to ATARI Bengaluru for giving us an opportunity to bring out KVK TIMES eNews Letter of KVKs of Zone XI for this fortnight. I sincerely acknowledge the moral support of Hon'ble Vice Chancellor of our university, Dr. M. B. Chetti, who has always been supportive in executing our programmes and activities.

The encouragement and constant guidance of Director ATARI, Dr. V Venkatasubramanian in bringing out this newsletter deserves special thanks. I would also place on record the concern of all the scientific and administrative staff of ATARI Bengaluru for having confidence on us and their constant encouragement for all the endeavors of KVK Bagalkote.

Thanks are also due to the Director of Extension, UAS Dharwad Dr. Ramesh Babu, Associate Directors of Extension Dr. R. B Belli and Dr. P S Hugar, for their encouragement and constant guidance.

I would like to place on the record my heartfelt thanks to all my colleagues from KVK family of Zone XI for their efforts in sharing the required information in time which enabled us to compile and bring out the final edited issue of KVK TIMES for this fortnight and happily handover this baton to KVK Belagavi-I for next edition of KVK TIMES.

I thank my KVK team for their support in compiling the newsletter and suggestions in bringing out this issue. Finally I thank Mr. Sanjeev Petkar, Print Park, Bagalkote for beautifully designing the cover pages and Mr. Aslam Attar for his efforts in compiling the news.

**Date: 04.08.2021**

**Place: Bagalkote**

**Mouneshwari R Kammar**

Senior Scientist and Head  
ICAR-KVK Bagalkote





**Dr. Mahadev B. Chetti**

Vice Chancellor, UAS Dharwad

**ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ**  
**UNIVERSITY OF AGRICULTURAL SCIENCES**

Krishi Nagar, Dharwad - 580 005 Karnataka State, INDIA



## Foreword

I am extremely happy to note that ATARI, Bengaluru – Zone XI is bringing out KVK TIMES, a fortnightly e-newsletter of each KVK by compiling all the major achievements and programmes. It is necessary to document all the activities carried out by KVKs which will go a long way in depicting the programmes organized and conducted by each KVK and it will further help in compiling Annual Reports, QRT and other reports. The Unique idea of bringing out KVK TIMES is highly appreciated. As you are aware that KVK Bagalkot has bagged Pandit Deenadayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar (Zonal)-2019 for its dedicated efforts in serving the farming community of the region. I congratulate and compliment all the KVK staff, Directorate of Extension and ATARI-Bengaluru for their sustained guidance and cooperation in achieving the goals set by the KVK.

The concept of KVKs in each District throughout the country has really helped in reaching the technologies to the farmer's door steps and its effective implementation has lead to enhanced production and productivity. I am sure that this e-newsletter will be a very useful document to the farming community, KVK staff and the policy makers in framing further plan of action for the KVKs.

I wish all the success in this endeavour.

**Dr. Mahadev B. Chetti**

Vice Chancellor, UAS Dharwad





**Dr. Ramesh Babu**

Director of Extension, UAS Dharwad

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## Message

Reaching the unreached farmers has been attempted in many ways by KVKs across the country. KVKs being one of the biggest and strongest extension system in Front Line Extension, needs its efforts to be documented and made known to others. In this direction, my best wishes are with KVK Bagalkote in scripting this KVK TIMES. Directorate of Extension is always a strength behind their activities and our Nodal Officer Dr. Shripad Kulkarni is persistently guiding them in discharging their responsibilities in coordination with Associate Directors of Extension Dharwad Dr. P. S. Hugar and Associate Director of Extension Vijayapur Dr. R. B. Belli. UAS Dharwad has appreciated efforts of KVKs during COVID-19 pandemic in creating awareness and helping farmers to sell their produce and I wish all the KVKs in the zone to reach newer heights in fulfilling the requirements of farming community.

**Dr. Ramesh Babu**

Director of Extension, UAS Dharwad





## Agricultural Technology Application Research Institute (ICAR-ATARI)

Zone-XI, MRS, H.A. Farm Post, Hebbal, Bengaluru - 560 024



### Dr. V. Venkatasubramanian

Director, ICAR ATARI, Zone XI, Bengaluru



### Message

Maiden issue of KVK TIMES has received overwhelming response on account of work of KVKs being documented and visibility enhanced. The same tempo needs to be continued. KVK TIMES helped cross learning among KVKs and upgrading the knowledge of the scientific fraternity and motivated them to strive further to reach the unreached farmers. With the onset of Kharif season and heavy rains more than normal rainfall has put farmers at risk. This is the time for KVKs to hand hold farmers with regard to crop saving technologies due to excess rainfall.

It gives me immense pleasure to share the news of KVK Kalaburagi-I of this zone being awarded with National level best KVK award Pandit Deen Dayal Upadhyay Rashtriya Krishi Protsahan puraskar - 2020 (Second Prize) and Sri Sharanabasappa Patil of Kalaburagi district was honored with prestigious “ Jagajivan Ram Abhinav Kisan Puraskar /Jagajivan Ram Innovative Farmer Award for the year 2020. These awards were conferred on the 93rd Foundation Day of ICAR held on July 16, 2021. I congratulate both KVK Kalaburagi-I and the proud farmer for their notable achievements.

Marking the celebrations of the Council's Foundation Day, the ICAR-CAFRI, Jhansi, Uttar Pradesh also initiated the plantation drive in response many KVKs initiated plantation drive by planting trees, by organizing webinars, by educating children regarding importance of forestation and by motivating farmers to plant more and more trees with a slogan “ distributing seedlings to the interested farmers.

ATARI Bengaluru successfully organized Zonal workshop of KVKs on 30-31, July 2021. The theme of the workshop was Doubling the farmers income through strengthening KVKs with inclusive technologies and innovative approaches. Experts from ICAR institutes, SAUs, KVKs, entrepreneurs were in a single platform to discuss various technologies and problems faced by the farming community. Many technologies were unveiled and deliberations were made on various strategies to double the farmers' income.

KVKs in the zone have demonstrated the importance of drone for agriculture, these demonstrations have attracted farmers across the state of Karnataka and now the farmers are motivated and have started thinking on the use of drones in agriculture.

KVKs are the vibrant institutions carrying out the frontline extension works and have become the face of parent institutions. They are recognized as nodal institutions for implementation of all the major programmes, projects of institutions and departments of national importance. Hence, it is deemed essential to document and acknowledge the the efforts of KVKs through KVK TIMES, a fortnightly in their own way of presentation.

**Dr. V. Venkatasubramanian**

Director, ICAR ATARI, Zone XI, Bengaluru





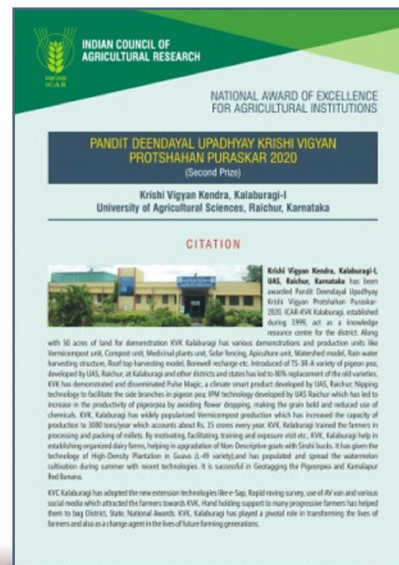
## ICAR-KVK Kalaburagi - 1

### Pandit Deendayal Upadhyay Krishi Vigyan Protsahan Puraskar 2020 (Second Prize)

To draw potentiality of the farmers towards increased productivity for sustainable economy, the ICAR – KVK Kalaburagi was established during 1999. The KVK, Kalaburagi as a knowledge resource centre has 50 acres of land for demonstrating the various technologies including agricultural crops, horticulture crops and forest plantations. Apart from these, KVK Kalaburagi has various demonstrations and production units like vermicompost unit, compost unit, medicinal plants unit, solar fencing, apiculture unit, watershed model, rain water harvesting structure, roof top harvesting model, borewell recharge etc. KVK Kalaburagi has well equipped training hall, museum, soil & water testing lab and plant clinic. These units are utilized during capacity development of farmers and extension functionaries.

KVK as Farm Science Centre formulated specific technology modules through Technology Assessment, Frontline Demonstrations, capacity development and other extension activities. Top ten technologies introduced by KVK which have created impact on the farming community are introduction of TS-3R pigeonpea variety, pulse magic, nipping in pigeonpea, IPM in pigeonpea, vermicompost production, minor millet popularization and marketing, dairy units, upgradation of non-descriptive goats with sirohi bucks, high density planting in guava, watermelon with natural resource conservation technology.

KVK has adopted the new extension technologies like e-Sap, rapid roving survey, use of AV van and various social media which attracted the farmers towards KVK. KVK Kalaburagi has its footprints in 647 villages out of 873 villages of the district. About, 22611 farmers visited KVK in last five years for various purposes. 35000 farmers have been covered under SMS on agri tips, 22 whatsapp groups are formed, About 1.7 lakh phone calls have been answered in last 5 years. KVK has 55 research papers, 2 books, 14 chapters in books, 66 booklets and 99 popular articles, apart from 338 radio talks and 127 TV talks to its credit. Various externally funded projects from National & International Organizations of Rs. 3.0 crores are under operation at KVK. KVK has identified and provided hand holding support to many progressive farmers who bagged District, State, National Awards. KVK is successful in getting recognition for pigeonpea and Kamalapur Red Banana as GI tag. It has played a pivotal role in transforming the lives of farmers and is a 'change agent' in the lives of future farming generations too. On behalf of all the KVKs, KVK TIMES congratulate KVK Kalaburagi and wish they get many more awards in coming days.





## ICAR-KVK Kalaburagi - 1

### Jagjivan Ram Abhinav Kisan Puraskar/Jagjivan Ram Innovative Farmer Award 2020 Shri Sharanabasappa Patil, Hal Sultanpur, Kalaburagi Mob: 9900438541

Shri Sharanabasappa Patil from Kalaburagi has been recognised for his farmer friendly innovations and has been awarded with prestigious “ Jagajivan Ram Abhinav Kisan Puraskar/Jagajivan Ram Innovative Farmer Award for the year 2020.

Of the total 4 hectares of land he has 3 ha irrigated and 1 ha under rainfed. He has open well(1), bore wells(2) and farm pond(1) as source of irrigation. He is practicing, agriculture, animal husbandry with indigenous cows (2), buffalo (2), bullocks (2) and Osmanabadi goats (25). He is in contact with ICAR-KVK, Kalaburagi-1 since 15 yrs.

His innovations include pigeonpea nipping device, low cost solar fencing, tap irrigation for horticulture crops, low cost timer for irrigation water control, low cost lime grader, solar screened system for bird scaring, solar powered hydroponics animal scaring devices, foxtail millet dehussing blades, low cost bio-gas without weight for creating pressure.

His other Innovations include, safety for irrigation valves, lime plucker for drudgery reduction, non-selective weedicide spray in pigeon pea by using hood to minimize labour cost, no cost water pumping with gravitational energy from bennethora back water to open well, Air valves to break down pressure on irrigation pipe line, on farm preparation of coupler for pipe line, bullock operated sugar cane trash crusher, adoption of sound system/siren in solar fencing to alert farm owner, use of solar energy for helmets to auto recharge the nipping machine, adoption of solar mini-pump set to pump the bore well water, sorghum as relay crop in pigeon pea when the crop is at grain filling stage, banana planting techniques to harvest regularly, solar light traps to alternate insects helped in monitoring and management, wooden crop residue collector to minimize labour cost, mini-onion storage structure to enhance shelf life, monkey repellent gun, a low cost tool to solve monkey manage in the farm.

All these are indigenous low cost technologies and are highly affordable and beneficial to farmers. Our KVK TIMES congratulate him and wish success in future endeavour.





## ICAR-KVK Alappuzha

### Nutrient efficient cassava variety 'Sree Pavithra' is spreading in Onattukara region of Alappuzha district

A Frontline Demonstration of Sree Pavithra variety was organised in Chettikula gar a panchayath of Mavelikkara block with 15 partner farmers along with capacity development programmes on scientific cultivation practices. The variety showed better performance and proved suitable for low nutrient soil conditions. It yielded 26.8 t/ha in demonstration plots over 17.8 t/ha in control plots with B:C of 2.63 and 1.87, respectively. The partner farmers narrated that not only the yield, the cooking quality and taste are also better and suggested that it can be promoted through various departmental schemes like 'tuber kit to homesteads'. The department officials ensured that the variety will be included in the tuber based schemes. Based on the demand, KVK has started quality planting material production in the village with the participation of farmers and at KVK farm during 2021-22 to cater the potential demand of farmers in and around the districts.



## ICAR-KVK Bagalkote

### Azadi Ka Amruth Mahotsav

About 6500 fish fingerlings including 2000 Amur carp, 1500 Rohu and 1500 Catla fingerlings were released in the farm pond of Mr. Mahantappa S. Sulebhavi by ICAR-KVK, Bagalakote and also in the farm pond of KVK Bagalkote. Under Plantation drive around 400 trees were planted including 150 forest species and 250 drumstick plants in the premises of KVK under planting trees under Azadi ka Amruth Mahotsav. Plantation drive was sponsored by Gram Panchayat Shigikeri under MGNREGA for the year 2021 - 22.



### Major field problems noticed and remedial measures suggested

Major problems in Kharif crops i.e., Mungbean Yellow Mosaic Virus (MBYMV) disease Root grub infestation and germination problems at Mudhol, Bilgi and Bagalkote talukas.

Scientists as part of pest surveillance team along with Department of Agriculture staff visited plots with these problems and suggested remedies. Remedial measures were also published in newspaper and sent through whatsapp messages.







## ICAR-KVK Belagavi-1

### Skill Acquisition to become an agripreneur training for physically challenged group



ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1 undertaking 90 days vocational training for partially disabled group on “Acquisition of skill to become an agripreneur” in collaboration with Association of People with Disability, Belagavi (APD) and Belagavi Integrated Rural Development Society, Naganur (BIRDS). Imparting skill through various activities like vegetable seedlings production, different plant propagation techniques (cuttings, gratings and layering), UHDP guava and mango cultivation, powder making from fresh turmeric, banana flour preparation (BAKAHU), soybean processing, home level processing and value addition techniques in fruits and vegetables, goatry and poultry management, fodder cultivation, compost production, organic farming practices, ornamental fish rearing and also crop production practices were also discussed as per their interest. As per the objectives of the training programme, activities above enterprises were carried out and skill imparted to the trainers.

### Edible oil extraction unit: a successful enterprise for women empowerment

Mrs. Shridevi Paramanand Teli, a graduate resides in village Saptasagar of Raibag Taluk in a joint family. She always wanted to find a better way to earn income to become self-dependent in her free time from morning 11 am to 5 pm. Then she along with her husband attended a training organized by KVK Belagavi-I on Oil expeller a small scale unit for women entrepreneurship development. She established small scale oil processing unit in the year 2018 with an investment of Rs.1.25 lakh and the crushing capacity of the machine is 40-50 kg/hr under technical guidance of KVK scientist. Machine is used for all type of oilseeds (groundnut, safflower, sunflower and coconut). She was able to crush 130 kgs of oilseeds in a day and 25 days in a month to produce 50 liters of oil/day. KVK provided training to impart skills on packing, labeling and value addition to extruded oil. The enterprise is running very successfully with the brand name of “Saptasagar Gold” which is gaining popularity in Belagavi District. She earns an average net income of Rs.65000 to 70000/- per month. She is fully satisfied entrepreneur and she owes this success to KVK and she still seeks the technical support and guidance of KVK regularly and she has also influenced other four women around her to take up this enterprise.



Shot on OnePlus  
By Reshma BK





## ICAR-KVK Belagavi-2



Latitude: 16.074051  
Longitude: 75.258659  
Elevation: 646.21 m  
**Manually drawn Onion Seeder**

Frontline demonstration was conducted on manually drawn onion seeder at Udupudi village, Ramdurg taluk. The farmers were convinced by the usage of equipment as it reduces seed rate/acre by 30%, seeds are placed at equidistance at 15 cm from row to row and 8 cm from seed to seed. By using this seeder, it helps in intercultivation and also aids in uniform development of bulb size, includes increase in yield.

## ICAR-KVK Bidar

### 'Arogyavardhak – A step towards healthy life': Success story of SHG

Tridala Self Help Group women came forward for a skill training and with an idea for the income-generating activity under the leadership of Smt. Sunita Bawage (38), resident of Katti Tugaon village in Bidar. With the technical guidance of KVK Bidar, the group entered the field of value-addition apart from cultivation of millets viz., multi millet khichdi mix, bajra sev, millet papad, millet weaning foods, millet laddu etc.,

Within a span of two years, the entrepreneurs developed 15 value-added millet products which are tested and certified. Initially, they could earn Rs. 5000 per month, but with the untiring efforts of the members. The earning has reached to Rs.35000 per month. For marketing, the KVK helped them to get technical know how from trainings and exhibitions in collaboration with NABARD. The group has become the source of millets based products for diabetic patients. During this pandemic COVID-19 situation, the product reached the maximum consumers. After the two years of struggle, the group is earning Rs.1,00,000 per month. The entrepreneurs have become icon for millet based products.



## ICAR-KVK Mudigere, Chikkamagaluru

### Entrepreneurship skill development through value addition



Entrepreneurship skill development training through value added products prepared from the important horticultural crops viz., pineapple, amla, Jack fruit, tomato and papaya was organized for 15 Schedule Caste rural youths from farming community for their livelihood security in hill zone of Chikkamagaluru district. Hands on training on preparation of tuti frooti, amla candy, amla morabba, jack fruit dehydrated products, jack fruit seeds flour biscuits, pineapple jam, pineapple dehydrated products, pineapple syrup, puffs, cake, bread & buns was imparted.





## ICAR-KVK Dakshina Kannada

### Management of Potassium in coastal paddy

Capacity development programmes were organised on 'Management of Potassium in coastal paddy' at Amblamogaru village of Mangaluru Taluk on 19.07.2021 along with a method demonstration on usage of Azotobacter biofertilizer in three splits to help its availability throughout the crop period and enhance crop yield.



### Quality Seed Production for Farmers Prosperity



Seed production activities were initiated at KVK instructional farm as well as at village level through establishment of seed hubs to cater the needs of farming community. High yielding varieties such as MO4 and flood resistant red rice variety Sahyadri Panchamukhi were demonstrated in an area of 50 acres with regular monitoring at farmers fields through timely field visits, providing need based advisory services to produce quality seeds for next season.

## ICAR-Taralabalu KVK Davanagere

### BAKAHU-Bale Kayi Hudi promotion

Bale Kayi Hudi popularly known as BaKaHu, the banana flour is making rejuvenated news. ICAR-Taralabalu Krishi Vigyan Kendra, Davanagere organized webinar on 'Preparation of BaKaHu at house hold level' on 28-07-2021 in collaboration with Adike Patrike. Contact farmers and farm women of ICAR-Taralabalu KVK, Davanagere prepared BaKaHu and other value added products using BaKaHu. Using this powder several breakfast items like idli, dosa, paddu and snacks like bondas and bajji's can also be prepared. The list of items has grown due to its adaptive nature. This simple yet effective technology can be a huge relief for banana growers. The BaKaHu powder is sold at Rs. 200/kg in the market at the moment. This initiative is taken up by KVK, Davanagere to address the issue of distress sale of banana during glut season.





## ICAR-KVK Dharwad

### Success story of agri-horti system

Mrs. Jayashri Chavadannavar from Dharwad has turned the waste land purchased during 2019 into a very good horticulture farm. In the beginning, she started small goat farming with 10 local goats and earned nearly four lakh rupees in one year with the herd size of 40 goats. With this success, she added two acres of high density guava orchard with the financial assistance from Department of Horticulture and technical support was taken from ICAR Krishi Vigyan Kendra, Dharwad.

Sri Shankrappa Siddappa Angadi, an enthusiastic dairy farmer from Mansur village of Dharwad taluk is earning nearly Rs. 5 lakh/year/acre. He owned a land of one acre in which he was having many enterprises like pond, four buffaloes, one cow and two calves along with mango orchard. Due to low returns, the land was converted in to flower garden. The land was mainly utilized for establishing a rose garden for which the grafted cuttings of Black magic variety and button rose were purchased from Tamilnadu nursery. The variety gives flowers of uniform colour with good keeping quality. Daily he is harvesting nearly 25000-30000 flowers and directly marketing in Dharwad. Pradhan Mantri Krishi Sinchayi yojana and MNREGA schemes help has been utilized in developing the land. Influenced by him nearly 30 farms have been converted in to rose gardens.



## ICAR-KVK Ernakulam

### Giant african snails invading Ernakulam farms: KVK with control strategies

The Giant African snails have been causing menace to the farmers of Ernakulam district on cassava, elephant foot yam, banana, papaya, colocasia, okra, brinjal, cucurbits and tree species like teak and mahogany. Approximately 75 ha area has been infested. The KVK has come up with widespread campaign on control measures like application of common salt, tobacco decoction-copper sulphate mixture and wheat flour-yeast-jaggery-copper sulphate poison baits. A facebook live programme was conducted on control measures has recorded a viewership of 11,000 and farmers have appreciated the efforts of KVK.





## ICAR-KVK Gadag

### Linking farmers to cashew market and processors



On the eve of ICAR Foundation Day on July 16th, KVK created a forum for sale of raw cashew by inviting cashew processors. KVK facilitated sale of 25 tons of cashew worth of Rs.26.00 lakhs belonging to 59 cashew growers, mainly small and marginal farmers having small quantity of produce. There was good interaction between cashew growers, processors and KVK scientists regarding quality parameters to get premium price. Cashew growers having orchards of 4 to 6 years old, have earned gross income of Rs. 1.0 to 1.50 lakhs/ha during 2020-21.

## ICAR-KVK Hassan

### Skill Development Training Programme on Nursery Management in Potato

ICAR-KVK, Hassan Conducted the Skill Training for Rural youth on Nursery Management techniques in Apical Rooted Cutting (ARC) saplings Potato crop from 26-05-2021 to 31-05-2021 sponsored by MANAGE, Hyderabad. Youths were briefed about the importance of ARC technology in seed production, producing disease free potato, self-reliant in potato seed production and to get higher yield, income and employment generation along with nursery raising and management techniques in ARC Potato. If few youths take up this occupation certainly potato growers of this region get immense benefits.



## ICAR-KVK Haveri

### Agromet Advisories boosted the farm income

Mr. Baramlingappa Asundi is a progressive farmer from Kakol village of Ranebennur. He was growing tomato (1 acre), rabi sorghum (1 acre), papaya (2.5 acre) and other crops. During previous year he fetched low income from his farm due to lack of proper weather input and farm information. But this year even in pandemic situation gained good yield (184 q, 12 q and 2500 plants, respectively) and income (Rs. 1,60,000, 24,000 and 8,00,000 respectively) due to the intervention of weather forecast and agro-advisory at right time disseminated by DAMU. Mr. Baramlingappa Asundi practiced the farm operations as per the weather forecast and succeeded in sufficient yield by reducing the cost of cultivation.



## ICAR-KVK Kolar

### Graduation programme of DAESI



Honourable Member of Parliament, Kolar Sri. S. Muniswamy inaugurated Graduation programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) and distributed certificates to the 3rd Batch DAESI candidates on 24.07.2021 at KVK, Kolar. He advised input dealers to acquire relevant and location specific production technologies of different crops. State Nodal officer, SAMETI, South Zone and officials from College of Horticulture, Dept of Agriculture, participated in the programme.





## ICAR-KVK Kottayam

### Skill development programme on nursery management

In order to address the shortage of quality planting materials along with an employment generation, KVK Kottayam has conducted a skill development programme especially for rural youths on nursery management for a period of 6 days in collaboration with MANAGE, Hyderabad through SAMETI Kerala and ATMA Kottayam for 28 youths. The trainees were trained under different aspects of nursery management viz., establishment of horticulture nursery, plant propagation methods, nursery structures, indoor and vertical gardening, nutrient management, pest and disease management, art of bonsai, irrigation techniques, record maintenance and ornamental fish breeding.



## ICAR-KVK Malappuram

### “VithuVandi” – A seed hub on wheels

In order to meet the seed needs of families who have diverted their attention to family farming during covid -19 lockdown, KVK Malappuram thought of moving to villages ensuring supply of quality seeds and planting materials in proximity to the people at different parts of the district. A mobile sales outlet for seeds and other cultivation inputs named as 'VithuVandi' (Seed Cart) was initiated and was sent to the villages upon pre announced schedule. The venture was formally flagged off by the District Panchayath President, at the KVK premises, in the presence of other local representative, officials of agriculture department and KVK staff.



### Flagging off Automatic Weather Station at KVK

As part of the DAMU project, an automatic weather station was installed and started functioning at KVK campus. IMD team visited the site and gave necessary directions for the smooth functioning of the instrument. This will provide reliable and timely weather data to researchers, students and famers for their future research work and other agricultural activities.





## ICAR -JSS KVK, Suttur Mysuru

### Popularizing sugarcane single eye bud technology



Good quality planting materials of sugarcane through single eye bud is gaining popularity and is the major answer to increasing yield and minimizing cost of cultivation. Principal advantage of single eye bud plant is substantial saving in seed material and the seed material is free from diseases. In conventional method of sugarcane planting setts are used as seed material with more than 3 ton per acre and about 30 percent germination gap is observed in main field. Since there is a high demand from farmers for sugarcane single eye bud, ICAR-JSS KVK Suttur is producing seedlings under this method and supplying to the small and marginal farmers of the Mysore district.

## ICAR-KVK Palakkad

### Dragon fruit miracle at Attapady

Farming is the major livelihood option for Mr.Kavungal Vasu Vijukumar for last 25 years. KVK had to intervene the situations and HortiCorp. Kerala procured about eight tons of dragon fruit and sold at the rate of Rs. 170/kg. As farmer is highly interested in processing and value addition, KVK is conducting experiments to standardize the procedures for dragonfruit juice and jam. Presently in each season farm yields are about 50 tons of fruit. Large number of farmers from the state and neighbouring states visit the plot.



### Demonstration of nutmeg seed sheller



Nutmeg is one of the major crops in Mannarkkad block. Farmers of the area were marketing nutmeg seeds with shell due to the high labour cost involved in deshelling. To address this problem, KVK Palakkad conducted front line demonstration of nutmeg seed sheller for 12 farmers at Karimba panchayat in Mannarkkad block with Department of Agriculture. This machine is developed under AICRP on Farm Implements and machinery at Kelapaji College of Agricultural Engineering & Technology, Tavanur. The machine shelled 75% of the nutmeg seeds in a single pass during the demonstration.





## ICAR-KVK Ramanagara

### Awareness program on use of nano urea (liquid) In mulberry



An awareness programme on use of nano urea (liquid) in mulberry” was organized by KVK, Ramanagara in collaboration with IFFCO and Department of Sericulture. Nano urea contains 4% nano nitrogen particles for efficient use of nitrogen, it is highly bio-available, reduction in transportation costs and cost of conventional urea benefitting both government and farmers.

## ICAR-KVK Shivamogga

### Ex-trainee Sammelan cum interaction

A one day ‘ex-trainee sammelan cum interaction’ for ARYA (Attracting and Retaining Youth in Agriculture) project beneficiaries was held at Krishi Vigyan Kendra, Shivamogga on 16-07-2021. Efforts to involve youth at grassroots level and guiding unemployed youth in emerging field of nursery techniques in horticulture crops and skill development for increasing their income were appreciated by the trainees. Participated ex-trainees interacted with the scientists and clarified their doubts about different grafting techniques, raising the seedlings of vegetables, flower crops and other horticulture crops and also the pest and disease management in nursery crops.



## ICAR-KVK Vijayapur-I

### Success story of Dragon fruit cultivator



Pavankumar Basappa Rangatti from Ratnapur village of Tikota taluk, planted 4000 saplings of Dragon fruit in 2 acres of land both white and red varieties and harvested the fruits after one and half years. He sells the fruits at the rate of Rs. 150-180 / Kg and sapling at the rate of Rs. 20 / sapling. In eighteen months, he earned Rs. 1.25 lakhs by spending Rs. 3 lakhs. Gradually, his profit increased to Rs. 3.80 lakhs in second year, Rs. 6 lakhs in third and Rs. 8 lakhs in fourth year by selling the fruits. From the sale of saplings he has earned Rs. 3 lakhs. Recently he has earned Rs. 2 lakh profit by the sale of fruits.







## ICAR-KVK Vijayapur –II

### Harvesting success of ASCI capacity development

ASCI trainee Mr. Ramesh Ghatage native of Bhatagunaki Village, Indi taluka. He underwent the ASCI capacity development on “Small poultry farmer” during the year 2019-2020. Presently, he is rearing 250 layers in one acre of land in lime orchard. Whole area is covered with mesh boundary to avoid predators. Presently, he is selling around 50-60 eggs per day. This model has helped the farmer to reduce the cost of production and enhanced the income directly by selling egg and by reducing the usage of fertilizers for lime production. Apart from poultry, he is rearing Osmanabadi goats in the same area. Further, it was suggested to feed supplementary protein feed like Azolla for enhancement of egg production.



## ICAR-KVK Wayanad

### Imparting Integrated Nutrient Management training –A stepping hand to emerging fertilizer dealers



KVK Wayanad in collaboration with Central Training Institute conducted a three day certificate course on Integrated Nutrient Management for Fertilizer dealers from 26th to 28th July 2021. Practical classes on major aspects of collection and processing of fertilizers and manures, assessing soil fertility status using soil testing lab, quality testing of fertilizers for impurities, registers and records to be maintained at fertilizer depot etc. were dealt in the three day training programme.

## Drones for farming and agriculture

### Demonstration of Spraying Chemicals by Drone was conducted in KVKs in collaboration with Garuda Aerospace Technologies, Chennai



KVK Bagalkote



KVK Gadag



KVK Yadagiri





## A Glance at Tree Plantation Drive

Tree Plantation and Awareness programme on the eve of ICAR's 93rd Foundation Day' 16.07.2021 most of the Krishi Vigyan Kendra of the day organized plantation drive under the umbrella of Azadi Ka Amrutha Mahotsav of Indian Independence. Other activities like webinars, educating children on environment and forestation were also organized.



Thrissur



Kalaburagi-II



Belagavi-II



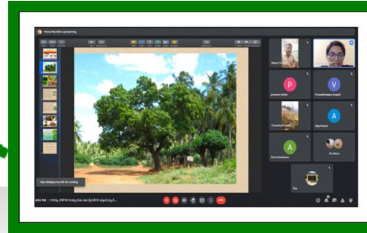
Idukki



Mysuru



Wayanad



Raichur



Kolar



Mandya



Pathanamthitta



Bagalkote



# KVK TIMES

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



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