

KVK TIMES

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

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ICAR- Agricultural Technology Application Research Institute
Zone XI, Bengaluru





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Message

Krishi Vigyan Kendras (KVKs) are playing significant role during the challenging pandemic period through innovative approaches in providing technological support to farmers and entrepreneurs. Innovative programmes, activities and approaches carried out by KVKs are worth sharing with different stakeholders. To facilitate the cross learning, I am happy to note that a platform is being created by ICAR-ATARI, Bengaluru in the form of a fortnightly e-publication “KVK TIMES” and the first issue is being brought out for the period 1-15 July, 2021.

It is a pleasure for me to go through the contents of the first issue which reflects the spectrum of activities carried out by KVKs in the Zone XI during the fortnight. The initiative will bring the visibility to the work carried out by each KVK.

My congratulations to the team ATARI, Bengaluru and KVKs of Karnataka, Kerala and Lakshadweep for their contributions in bringing the KVK TIMES.

I wish all the success to the effort made by ATARI, Bengaluru.

A.K.Singh

From Directors' Desk



Agricultural Innovations and its application are the two engines for achieving food, nutritional and livelihood security. KVKs are the well-established frontline extension system for effective dissemination of technologies for the farmers in the country. There are 48 KVKs established under Zone XI comprising the states of Karnataka, Kerala and Lakshadweep. Each KVK is unique in their capabilities, innovative approaches adopted, farming system models developed and impact brought in their district. Cross learning among the KVKs help to understand and appreciate the strengths of each other. This cross learning is very valuable and there must be a platform to facilitate the sharing of such valuable wealth of knowledge among the KVKs in the zone. This new initiative is the outcome of the feedback received from my KVK colleagues that apart from ATARI Newsletter it is felt that there need to be a platform for capturing and sharing the views, unique achievements, innovative approaches, success stories etc., among the KVK family. KVK Times is the first of its kind virtual platform created and brought by the KVKs every fortnight. I feel proud to be part of this initiative and bring the first issue of KVK Times through ICAR-KVK, Alappuzha. I wish all success.

Dr. V. VENKATASUBRAMANIAN
Director, ICAR-ATARI
Zone XI



The Krishi Vigyan Kendras have become one-stop for many needs of the farmers besides its role as research-extension link agency. The e-newsletter 'KVK Times' will act as a single reference point to know about various activities and events conducted by KVKs and also about the services and farm inputs made available to the farmers. I am happy to know that KVK-Alappuzha (ICAR-CPCRI) is identified to bring the first issue of 'KVK Times' covering activities for the period 1 – 15 July 2021. My best wishes for this new initiative of ATARI Zone XI.

Dr (Mrs.) ANITHA KARUN
Director (Acting)
ICAR-CPCRI, Kasargod



ICAR- KVK- KALABURAGI-1

for winning

ICAR-PANDIT DEENDAYAL UPADHYAY RASHTRIYA
KRISHI VIGYAN PROTSAHAN
PURASKAR-2020





KVK-ALAPPUZHA

A SILENT REVOLUTION IN VALUE ADDITION OF BANANA

Farming communities and homemakers in Uttara Kannada and Dakshina Kannada districts in Karnataka ignite a culinary change by popularizing banana flour, in this difficult times of COVID lock downs and glut in the market when banana farmers are forced to distress sell their produce at throw away prices. Taking clue from an online post of Jayambika Rajan from Haripad, a trainee turned entrepreneur incubated at ICAR-KVK-Alappuzha, Ms. Nayana Anand from Tumkur contacted Smt. Jissy George, SMS (Home Science) of the KVK and obtained the details of technology and practical tips for the preparation of banana flour through whatsapp voice clippings and messages. She then turned a bunch of plantain into sweets and savouries for a week, posting pictures of her experiments and, thus, creating a buzz in Any Time Vegetable (ATV), a WhatsApp group composed predominantly of farmers in Uttara Kannada and coordinated by Sri. Shree Padre of Adike Patrike, a farm based journal.

The easy process of converting raw banana of any variety into flour, without any fancy equipment or heavy investment except a drier, attracted the fancies of many in the group and became trending when the home makers prepared different delicacies out of this flour and publicized. Sensing the potential of the activity, Mr. Padre got in touch with the Central Processing facility at Kotegadde, near Thirthahalli, established by the Vanilla Growers' Association. He persuaded them to process banana flour and 50 kg, made from local varieties, were distributed to homes. Families across Thirthahalli took up the challenge and unleashed a culinary fiesta with banana flour, which Mr. Padre calls 'Ba Ka Hu'. News of the revolution reached the National Research Centre for Banana at Tiruchi in Tamil Nadu and its director Dr.Uma Subbaraya sent a congratulatory message to Ms. Anand and mentioned that a silent revolution is taking place in Karnataka, thanking the bunch of enterprising women. Thus a small spark from KVK-Alappuzha has ignited the entrepreneurial imaginations of many in the far away districts of Karnataka through online communications.



KVK-ALAPPUZHA

PLANTING MATERIALS AND INPUTS DISTRIBUTED TO SC FAMILIES

With focus on improving the nutritional security of the socially and economically backward SC families of the society, Mango and Jack grafts, curry leaf seedlings, bush pepper plants, seed rhizomes of ginger and turmeric were distributed along with bio-agents and organic manure to 100 selected SC farmers of Venmony panchayath as part of the Schedule Caste Sub Plan (SCSP) of the Govt. of India.



The programme organized by the KVK in collaboration with Gramadeepam library, Punalathu, which was attended by Sri. John

KVK-ALAPPUZHA

A YOUNG WOMAN FARMER REAPS SUCCESS THROUGH ADOPTION OF INTEGRATED FARMING SYSTEM

Mrs. Sheeba Sadik, Chempagappallil, Eruva, Kayamkulam is a young enthusiastic woman farmer owning a plot of 2 acres in which she was having many enterprises, like Tilapia fishes a pond in 4 cents, five goats and 50 desi birds in her coconut garden. But the overall income was very poor as the holding was not properly utilized and the units were not integrated / maintained scientifically. The goats were with poor growth due to poor feed management and the major component of dairy unit was missing.

During the year 2018-19 an OFT was conducted by the KVK on "Management of Urolithiosis in goat" in which Mrs. Sheeba Sadik was one of the partners. As a part of this programme Scientist from KVK Alappuzha visited her goatery unit to treat the goat affected with Urolithiosis. On visit to her farm, it was realised that the plot was suitable for integrated farming system with compatible and economic components. She was advised to add a dairy unit in this farm since there was enough scope and resource for the same. She was also advised to keep a few good





Gramasree layer chicks also were made available from the KVK. A duck shelter also was

6 sq.m. area to accommodate 200 nos of Chara and Chempally ducks. Tilapia and Varal fishes were introduced in the pond of 4 cents. Fodder cultivation was initiated to meet the requirement of all animals. A sales counter for Dairy products in her homestead was inaugurated by Adv.U.Prathibha, Kayamkulam MLA. During 2020, she started getting 700 coconuts per harvest (from 400 earlier), 220 litres of milk per day from 17 cows, 350 eggs/day from 300 layer birds and 60 eggs/day from 100 layer ducks enhancing her annual net income from Rs.79,400/- earlier to Rs. 16,38,710/- She received the district level best woman dairy farmer award for 20-21 by the Dairy Development Dept., awarded during the state level meeting of dairy farmers and cooperatives and she was honoured by KVK- Alappuzha on the occasion of International Women's day, 2020.



KVK-BALLARI

'VANAMAHOTSAV' TO CELEBRATE INDIA@75

The Automatic Weather Station (AWS) recently installed at ICAR-KVK, Ballari recorded 75.5 mm of rainfall during first two weeks of July 2021. A conducive soil condition so created by timely rainfall in ever dry semi-arid Ballari was exploited to plant saplings of various tree species that suit the region which included neem

ma, banyan, jamun, tamarind etc.



The saplings were procured from a nursery managed by social forestry wing of Dept. of Forest, Ballari and around 300 saplings were planted by spirited staff of KVK under the leadership of Senior Scientist and Head, Dr. Ramesh, B.K. Campus Head of centenary old Agriculture Research Station, Hagari Dr. Ravishankar, G also joined hands. A decision was taken to plant more such saplings in

KVK-BIDAR

'BALA CHAITANYA' TO IMPROVE NUTRITIONAL STATUS OF MALNOURISHED CHILDREN

A unique programme “Bala Chaitanya” to rehabilitate Severely Acute Malnourished (SAM) and Moderately Acute Malnourished (MAM) children for 14 days along with their mothers in post-lockdown period is conceptualized by Zilla Panchayat, Ballari. Department of Women and Child Development, Ballari which is implementing the programme approached ICAR-KVK, Ballari for help. Scientists of ICAR-KVK, Hagari shared their expertise in formulating a diet for these children based on their requirements. Home Scientist, Dr. Shilpa and Horticulture expert, Dr. Jayaprakash Narayan of ICAR-KVK, Ballari trained mothers of these children on importance of nutrition, ways to take care of nutritional needs of children after going back to home and importance of nutrition garden on 07.07.2021. Total of 76 malnourished children and their mothers at Nutrition Rehabilitation Centre benefitted by the efforts of collaborative work of different departments. Children who were cared for under the programme put on weight which ranged from 250 to 800 gms from their initial weight over 14 days of rehabilitation period.

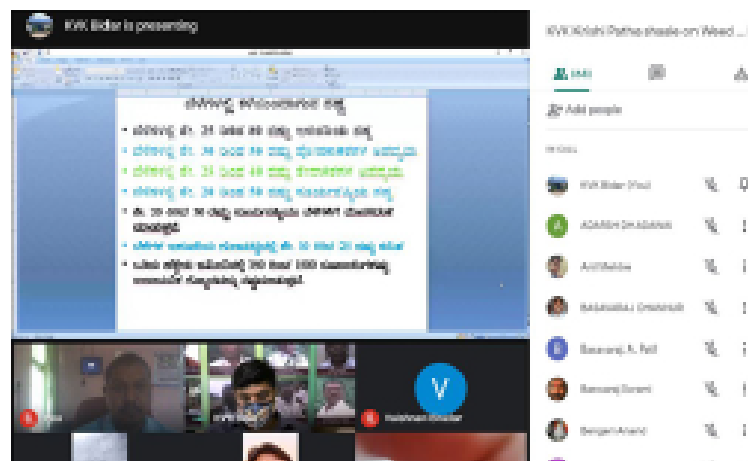


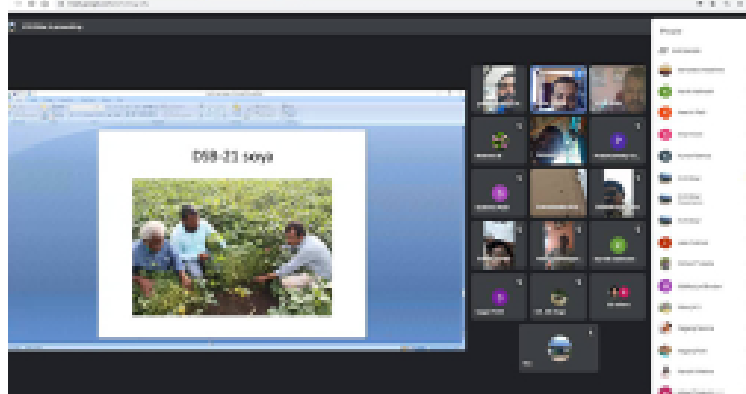
KVK-BIDAR

KRISHI PAATHA SHALE- ONLINE SERIES CAPACITY BUILDING PROGRAMME TO REACH UN REACHED

COVID-19 has had come in the way of farmers in getting updated with latest knowledge due to restrictions induced by the novel coronavirus disease on the inter district and state transportation farmers did not reach to either developing department or even ICAR Krishi Vigyan Kendra Bidar and many graduates who were working in non agriculture sector have returned native and involved in farming. So, to address this targeted group KVK Bidar has initiated for the first time online series of trainings covering different basics and advance aspects of farming along with routine work in the name of “ KVK Bidar Krishi Paatha Shale ”. The topics for the Krishi Paatha Shale will be decided based on the need of the present agricultural situation and requirement to be covered and the concerned recourse persons will be decided well in advance.

Since last two months the farmers are joining the on line KVK Bidar Krishi Paatha Shale the first online class started with the inaugural address of Dr Arun Kumar Hosamani, Chief Scientific Officer, Directorate of Research University of Agricultural Sciences, Raichur on 8th May, 2021.





Already KVK Bidar has conducted 10 online series trainings. As a results many young farmers are able to understand basics of farming and coming forward to adopt new technologies for the crop production and management as well as animal husbandry and started doing agriculture as their new entrepreneurship, few of them continuously attending the said programme and expressing satisfaction about the programme and have expressed the view that it has created platform discuss and understand the new technologies and use of techno products. Since In the series of trainings the technologies and practices instructed then adopted by the farmers in due course of time results of the technologies can be discussed in the commencing webinars many KVKs have started the same programmes for the benefit of farmers in the university.

KVK-CHAMARAJNAGAR

BLACKGRAM VARIETY-LBG-791 FOUND GOOD FOR CHAMARAJANAGARA



A field day on demonstration of new blackgram variety LBG-791 was conducted on 06.07.2021, at Farmers field of Sri Shivashankar, K. Mookahalli village, Chamarajanagara tq., & dist., In field day, Twelve farmers participated and observed the performance of the blackgram variety in rainfed conditions, tolerance to the yellow mosaic viral disease which is major threat in the blackgram growing areas of the district. Farmers were happy as the yield are good with quality bold seeds of new blackgram variety even under shortage of rain fall as compared to the blackgram variety what he was growing earlier. Further, he also expressed that results of the practicing the seed treatment with bio-fertilizers (Rhizobium and PSB), spraying of the systemic insecticide Imidacloprid 17.8 SL @ 0.5 ml/l to kept away the crop from the incidence of sucking pests. He also shared positive experience of soil test based nutrient application along with Zinc sulphate @ 4 kg/a. Overall, the farmers expressed to grow the improved blackgram variety LBG-791 in the forth coming season with the guidance of KVK scientists.

As a part of seed production of new blackgram variety LBG-791, ICAR KVK Chamarajanagara tide up the farmer Sri. Shivashankar with pulse seed hub KVK, Mandya further availability of the seeds to other farmers of the district for its popularization the event has been covered by DD news channel, Shramajeevi TV, Power TV, ETV Bharath, etc., and published in Vijaya Karnataka, Kannadaprabha, Prajasathya daily newspapers.

KVK-GADAG

CASHEW NUT BUYERS AND SELLERS MEET TOGETHER

Cashew Growers and Raw Cashewnut Buyers Meet was organized by KVK, Gadag on 08-07-2021. Buyers from Cashew processing industries, Goa participated in the meeting. Quantity parameters of moisture content in nuts and counts were assessed by the buyers to fix the price. Fifty tons of raw cashewnut is available for sale with farmers



KVK-GADAG

AWARENESS PROGRAMME ON CROP INSURANCE

On the eve of Crop Insurance Week (1 to 7 July, 2021), KVK Gadag organised an awareness programme on insurance for Kharif crops under PMFBY on 05-07-2021. Farmers were briefed about the importance of crop insurance, crops notified for Hoblis and Gram Panchayats and the premium fixed for the notified crops. A total of 38 farmers participated in the event.

KVK-IDUKKI

ONE LAKH JACKFRUIT SAPLING PRODUCTION PROGRAMME

As part of promoting agroforestry and afforestation across the district, ICAR-Krishi Vigyan Kendra(BSS), Idukki has initiated one lakh jackfruit sapling production programme in the KVK premises. Inauguration of the programme was conducted by Sri. Shine V J, Santhanpara Grama Panchayat President on 13.07.2021 at KVK instructional Farm. In the inaugural address, Sri. Shine addressed the importance of growing jackfruit and its value in maintaining the ecological stability and enhancing the human nutritional status. He appreciated the KVK team in coming up with such an innovative initiative for the benefit of farming community. He also pointed out to monitor the growth and development of these saplings and to promote jack tree based cardamom production system in Idukki district. In progress one lakh jackfruit saplings will be produced and will be distributed among the farmers.



Dr. R. Marimuthu, Senior Scientist and Head, ICAR-KVK, Idukki, expressed the main objective of this programme on growing jackfruit as an integration in multi-tier agroforestry systems such as home gardens. He also assured the geotagging of the jack trees in progress.

KVK-KANNUR

TUBER SEED HUB INITIATIVE



KVK Kannur in collaboration with CTCRI and Eruvassi Gramapanchayat has started tuber seed hub to tackle the problem of unavailability of improved varieties of tubers.

Planting materials of improved varieties of cassava, elephant foot yam, yams and arrowroot are given to progressive farmers of the panchayat to develop seed production units. Standard operating protocol for crop management is ensured in the selected plots by regular field visits. Gajendra, an improved variety of elephant foot yam with good cooking quality, Sree Neelima, a biofortified greater yam variety with high anthocyanin content. Sree Suvarna tolerant

cassava variety of KAU, are in seed plots of Eruvassy. Demonstrations and Multi-localities of arrowroot and are also tried in these

PRODUCTION OF SEEDLINGS

In collaboration with Tejas Farmer Producer Company coconut seedling nursery is being established in participatory mode at Thirumeni,

Elite WCT mother palms were identified in farmers field At Thirumeni and farmers are trained to establish coconut nursery with technical support from KVK Kannur through participatory mode. Fifteen thousand West Coast Tall coconut seed nuts were collected during February-March. Coconut seedlings are produced for distribution through Department of Agricultural Development and Farmer's Welfare by Coconut Council.



KVK-KANNUR

PEST ALERT- PLAGUE CATERPILLAR INFESTATION

Severe infestation of *Tiracolla plagiata* (Plague caterpillar) was observed in nearly 3 acres of area in Kattikkandom village of Erupuzha Gramapanchayat in Irikkur block.

The caterpillar, which is the destructive stage of *Tiracolla plagiata* belonging to the order Noctuidae is polyphagous and destroys all crops in nearby locality. With the onset of rains, the outbreak was noticed. Multi-Disciplinary Diagnostic Team (MDDT) visit was conducted to address the issue.



short duration cassava being multiplied in Front Line Demonstration trials of various cassava (CTCRI) plots.

KVK-KANNUR

PARTICIPATORY ESTABLISHMENT OF COCONUT SEEDLING NURSERY

KVK Kannur in collaboration with Thirumeni Coconut Farmer Producer Company has established a coconut seedling nursery through participatory mode at Cherupuzha.

People representatives and officials from department of Agriculture, and a team of scientists from Krishi Vigyan Kendra, Kannur visited the area on 18th of June. Samples were collected and recommended 2% neem oil garlic emulsion in households and insecticides Flubendamide 480 SC and chlorantraniliprole 18.5 SC for the management of pest in severely affected areas in a campaign mode after clearing the weeds and cover crop Calapagonium.

KVK-KOLLAM

'GREEN SPACE' IN HOMESTEADS: AN INNOVATIVE APPROACH TO GENERATE INTEREST IN FARMING IN KIDS

കുട്ടികൾ കൃഷിക്കാരായി; വീടുമുറ്റം തോട്ടമായി

സുന്ദര വർഗ്ഗീസ്
പഞ്ചായത്തുകളിൽ ഏകദേശം 100 കോടി രൂപയുടെ കൃഷിയിടങ്ങൾ സൃഷ്ടിക്കാനാണ് കേന്ദ്രം ലക്ഷ്യമിടുന്നത്. ഇതിന് ഭാഗമായി കേന്ദ്രം വിവിധ സംസ്ഥാനങ്ങളിൽ കൃഷിയിടങ്ങൾ സൃഷ്ടിക്കാനുള്ള പദ്ധതികൾ ആരംഭിച്ചിട്ടുണ്ട്. കേന്ദ്രം വിവിധ സംസ്ഥാനങ്ങളിൽ കൃഷിയിടങ്ങൾ സൃഷ്ടിക്കാനുള്ള പദ്ധതികൾ ആരംഭിച്ചിട്ടുണ്ട്. കേന്ദ്രം വിവിധ സംസ്ഥാനങ്ങളിൽ കൃഷിയിടങ്ങൾ സൃഷ്ടിക്കാനുള്ള പദ്ധതികൾ ആരംഭിച്ചിട്ടുണ്ട്.



കുട്ടികൾ കൃഷിക്കാരായി; വീടുമുറ്റം തോട്ടമായി. കേന്ദ്രം വിവിധ സംസ്ഥാനങ്ങളിൽ കൃഷിയിടങ്ങൾ സൃഷ്ടിക്കാനുള്ള പദ്ധതികൾ ആരംഭിച്ചിട്ടുണ്ട്.

During the pandemic Covid 19 lockdown, KVK Kollam has come up with an innovative project entitled "Creating and sustaining 'Green space' in homesteads through Agri club members of GHSS Sadanandapuram during the lockdown period of second wave of Covid-19 pandemic scenario through KVK Kollam". The main objective of the programme is to guarantee safe and healthy life through safe food by farming and staying at home. This can be achieved by farming in the 'green space' created in the homesteads by school kids.

The project was sponsored by team KVK Kollam (permanent staff, research fellows, daily wages staff and labourers) for a duration of 1 year which covers 70 Agri club members of GVHSS Sadanandapuram (that bagged best Haritha Vidyalaya in Kerala State) who are the long-term companion of KVK. The technologies which were successfully demonstrated earlier in the district with the help of progressive farmers are being disseminated among the children like high yielding varieties of tuber crops and Yard long bean, minisett technology for the rapid multiplication of tuber crops and eco friendly pest and disease management techniques. The Kendra had conducted a bench mark survey to understand the present level of Knowledge and attitude towards gardening. Their knowledge in scientific farming techniques is being continuously enriched through rigorous capacity building programmes, seminars, quiz, drawing competition, multidisciplinary team visits in addition to frontline demonstrations. The expected outcome of the project is to sustain the interest of agri club members of school children in farming during the lock down and post lock down period. The project was virtually inaugurated by the Hon' ble Vice Chancellor of Kerala Agricultural University Dr. R Chandra Babu on 27th May 2021 through google meet platform.



KVK-DAKSHIN KANNADA

POPULARIZATION OF FLOOD RESISTANT RED RICE VARIETY – SAHYADRI PANCHAMUKHI IN COASTAL KARNATAKA

Paddy is a major staple crop for the population in India. In coastal Karnataka more priority has been paid towards the cultivation of indigenous red paddy varieties. But these varieties are tall with lodging problem, does not respond to fertilizer and provide less yield. Generally paddy varieties such as MO4 and indigenous varieties like Kajejaya have been cultivated in flood area even with a weeklong flood resulting in less production (10-15 q/ha). Dakshina Kannada of coastal Karnataka has 300 ha of paddy land that is flooded with flood for long duration, an unfavorable situation for paddy cultivation and resulting in low production. Hence, there is a need of suitable paddy variety in low lying flood situation of the region. In this regard, ICAR-Krishi Vigyan Kendra, Dakshina Kannada, Mangalore took initiative to popularize flood resistant red rice variety - Sahyadri Panchamukhi in coastal district. The variety has good yielding potential with cultivation period of 130-135 days and can withstand flood for 8-12 days with tolerance to insect pest, disease, biotic and abiotic stresses. Demonstration programmes on Flood resistant red rice variety – Sahyadri Panchamukhi were organized in ICM in paddy were organized on 30.06.2021 and 03.07.2021 respectively at Moodashedde and DFI Village of Mangaluru Taluk benefiting 600 farmers. The activities were also covered in media such as All India Radio and local newspapers for popularization of the variety.

The FLD Programme was inaugurated by Local MLA Shri. Umanath Kotian at Shri. Ramanatha's field, Moodashedde village. Truthful labelled paddy seed of 3 qtls as critical input was provided to motivate the farmers for adoption of new variety. The seed production activity was initiated by Dr. Naveen Kumar, B.T., Scientist (Agronomy), ICAR-Krishi Vigyan Kendra, Dakshina Kannada, Mangalore through demonstration programmes both at instructional farm of KVK and farmers plots covering an area of 10 acres under FLD programme during 2020-21.



One such agripreneur named Mr. Dayanand from Delantha Bettu village could produce 100 quintal of paddy seeds. Out of which 80 quintals was sold to farmers from adjacent villages of Mangalore taluk for horizontal spread of the variety and 20 quintals of paddy was processed to rice as it possess good aroma with good consumer preference. During kharif 2021-22 paddy seeds of 80 quintals were provided to 200 farmers through Karnataka State Department of Agriculture covering 320 acres area of the district. Based on the demand, KVK has planned to take up quality seed production activities at village level covering more area as well as at instructional farm of KVK during 2021-2022 to cater the potential demand of farmers in the coastal districts (Dakshina Kannada and Udupi).

KVK-DAKSHIN KANNADA

NATIONAL FISH FARMER'S DAY CELEBRATION

The ICAR- KVK, Dakshina Kannada observed the National Fish Farmer's Day at Panapila Village of Mudabidri taluka on 10th July 2021. The day was commemorated in remembrance of scientists Dr K H Alikunhi and Dr. H.L. Chaudhury who had invented induced breeding technology on this day way back in 1957. Dakshina Kannada is bestowed with vast majority of farm ponds which are potential sources of fish culture. Dr.Ramesha T. J. Senior Scientist and Head in his inaugural remarks emphasised on importance of fish culture in the food security and the challenges ahead in the increasing population. He urged unemployed rural youths and farmers with farm ponds and storage tanks to come forward and take up fish farming as a business venture. A Capacity Development Programme and Field Day on Composite culture of Pungasius sutchi with carps under FLD programme was organised on the occasion of National fish farmer's Day-2021. Dr. Chethan N. Fisheries Scientist from KVK trained the farming community on composite fish culture and management methods to enhance fish production using the available resources in the district



Mr. Rajesh Kotian, a progressive farmer shared his experience of successful fish farming in storage tank with 0.76 tonnes of pungasius and 0.45 tonnes of carps in his storage tank (100 mtsq area) with technical guidance from KVK. A farmer-scientist interaction session was also organized on the theme 'doubling farmer's income' in which Dr. Mallikarjua L and Dr. Kedarnth discussed the need of the hour in the district. A total of 60 fish farmers from Mudabidri and other parts of District were part of the event.

KVK-PALAKKAD

EDUCATING FERTILIZER DEALERS

KVK Palakkad conducted hands-on training for the 3rd batch on Certificate Course on Integrated Nutrient Management (INM) for the fertilizers dealers of Palakkad district to enable them to obtain license. This practical session was conducted in liaison with Central Training Institute, Mannuthy and Department of Agricultural Development and Farmers' welfare. A total of 24 participants successfully completed the course through this KVK Palakkad subcentre. Hands own practical session was conducted at State Fertilizer Quality Control Lab, Pattambi, District Soil Testing Lab, Pattambi, State Biofertilizer and Organic Manure Quality Control Lab, Pattambi and Department of Agronomy, RARS, Pattambi. Processing of soil, Plant, fertilizer and manure samples; Assessment of soil fertility status using Mini soil testing lab as well as Quality testing of fertilizer for impurities were practically assessed during the three day sessions.

KVK-PATHANAMTHITTA

EMPOWERMENT OF ENTREPRENEURS THROUGH STATE RESOURCE CENTRE (SRC)

To promote new innovations and technologies and to develop entrepreneurs in value addition of jackfruit, State Resource Centre (SRC) is set up at KVK, Pathanamthitta with the financial support of Department of Agriculture Development and Farmers' Welfare, Govt. of Kerala . The SRC has developed many innovative process protocols and installed latest food processing machineries to cater the needs of emerging food processing sector. An exclusive Webinar on "Role of FSSAI Registration and Licensing in ensuring food safety and Good Health" was organised by the State Resource Center for Jackfruit of ICAR-Krishi Vigyan Kendra, Pathanamthitta on 10th July 2021.



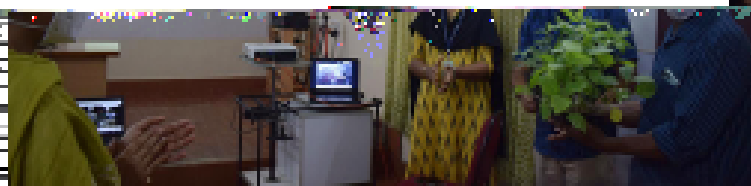
Dr. Sanu Jacob, Director, FSSAI, Govt. of India was the Keynote Speaker in the webinar. The 100 participants who attended the webinar included entrepreneurs and farmers from all over the state and outside the state. The webinar not only provided clear understanding about the importance of FSSAI but also provided an opportunity for the participants to clarify and inform the director various issues

The products included jack fruit flour, Jack fruit Pasta and retorted Jack pulp. The dehydration facility available in the SRC for Jack fruit was extended to Jagan's food Co; a startup began with the support of the KVK for dehydrating Garcinia cambogia. The major product of the startup is smoke free garcinia. 900kg Garcinia was dehydrated during the period.

KVK-THRISSUR

"NUTRIGARDEN MICRO KIT" – A STEP TOWARDS NUTRITIONAL SECURITY OF URBAN HOUSEHOLDS

Dr. R. Chandra Babu, Hon'ble Vice Chancellor, KAU inaugurated the release of Nutri Garden Micro Kit from ICAR- Krishi Vigyan Kendra, Thrissur. This initiative aims to provide "a ready farming kit" to marginal, small, urban and peri urban farmers who often find it difficult to obtain inputs in the small quantities required for such micro scale farming. The kit contains vegetable seedlings, Sampoorna (micro nutrient mix), Sreya (biopesticide), lime and Trichoderma enriched compost. Through this kit, such farmers need to spend money only on necessary quantity of inputs. The kit is an aid to ensure nutritional security of households by providing sufficient and safe to eat vegetables at household level. The programme is also a part of "Nutri Smart Madakkathara" – a flagship project of the KVK.



KVK-TUMAKURU 2

WORLD ZOO NOSES DAY-7TH JULY 2021

Awareness Programme on Zoonotic Diseases on the occasion of World Zoonoses Day-2021 was held on 07.07.2021 at Chikkadoddavadi village, Koratagere Taluk, Tumakuru under NICRA project of ICAR-KVK, Hirehalli, Tumakuru in collaboration with ICAR-NIVEDI, Bengaluru.

Dr. V.Balamurugan, Principal Scientist, ICAR-NIVEDI and Dr. Narayan G, Scientist, ICAR-NIVEDI gave welcome address for the programme. Dr. Loganandhan N, Principal Scientist and Head, ICAR-KVK, Hirehalli briefed the farmers about the importance of knowledge on Zoonotic diseases. Dr. Chetan Kumar H B, Scientist, ICAR-NIVEDI delivered lecture on Zoonotic diseases and its consequences. Mr. Ramesh P R, SMS (Soil Science), ICAR-KVK, Hirehalli delivered lecture on Supplemental fodder production for healthy animal husbandry. Dr. Satish Gowda C S, Scientist, ICAR-NIVEDI explained the role of ICAR-NIVEDI in animal disease management and gave vote of thanks. Farmers were provided with pamphlets on Zoonotic diseases, their prevention and cure. About 50 farmers participated in the programme.



KVK-TUMAKURU 2

SEEDBALLS TO PROMOTE AFFORESTATION

Seedballs making event at KVK, Hirehalli, Tumakuru II, was organised as a part of 75 Weeks Programme to celebrate Bharat Amrit Mahotsav on 8th July 2021. Volunteers from Tumakuru about 50 in number participated in this noble cause to promote afforestation. Sri Shiva Prasad IMC Member, ICAR - IIHR, Bengaluru and Dr. Loganandhan, N., Head, KVK, Hirehalli, Tumakuru II., Sri J.M.Prasanth, SMS Horticulture and K.N.Jagadish SMS Agril.Extension also took part in the event documented the programme through live telecast on Facebook. Forest trees seeds like Neem, Pongamia, Tamarind, Melia dubia, Jamoon, Bamboo etc., were used for seed balls. About 10,000 balls were prepared to be spread along nearby forest area.



KVK-UDUPPI

CELEBRATION OF VANAMAHOSTAVA



University of Agricultural and Horticultural Sciences Shivamogga, Indian Council of Agriculture Research, New Dhelhi, ICAR-Krishi Vigyan Kendra, Brahmavar & Durga Seva Raitha Koota Mandarthi has celebrated Vanamahostava programme on 05.07.2021 at surroundings of S hri Shambu Shankar Rao's residence.



... was inaugurated by saplings by all the Dr. Dhananjaya B, Head, ICAR Kris hi Brahmavar during his mentioned about Shri. K Agriculture and Co-op- has started this pro- 950. Reducing the ions like Air, Water, theme of the celebra- ned that, to increase the environment, we and more trees like, e, Banyan trees etc., ity of oxygen to envi- lhar Shetty, President arthi was chaired as Shambu Shankar Rao, er, Dr. Chaitanya H S,

... Mananthavady inaugurated the function that was chaired by Sri. P.V Balakrishnan, Grampanchayat President, Tirunelly. Hon. Vice Chancellor, Dr. R. Chandrababu delivered the key note address and Dr. Jiju P Alex, Director of Extension, KAU, the special address. Sri. P V Balakrishnan, Grampanchayat President, Tirunelly and AICRP in-charge, Dr. Usha C Thomas distributed layer hens to JLG members. Followed by the distribution of layer hens, Dr. Deepa Surendran, SMS, Animal Husbandry conducted an online training for representative animators of the tribal colony on rearing of layer hens.

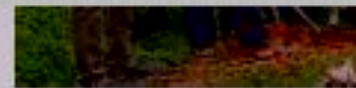


Scientist (Horticulture) and Dr. Sachin U S, Scientist (Plant Protection) were chief guests of the programme. At the end of the programme the farmers were distributed with Kokum saplings from KVK. Total 20 farmers were participated in the programme by following Covid-19 protocols

KVK-WAYANADU

HELPING HANDS FOR TRIBAL WOMEN TO MOVE UP THE LADDER

KVK Wayanad, distributed 400 layer hens (Gramasree) worth Rs. 90,000/- to the JLG beneficiaries of the tribal development project under Tribal Smart Village Adoption Programme, through the Kudumbashree Mission (Wayanad). The programme was conducted in convergence with AICRP on Forage Crops, RARS (SZ), Vellayani and Kudumbasree mission. Dr. Allan Thomas, Programme Coordinator, KVK welcomed the gathering.



The programme planting forest tree farmers presented. Senior Scientist an Vigyan Kendra, E inaugural speech m M Munshi, Central erative Minister, w programme during environmental poll Sound were the mai tion. He also ment the oxygen level i should plant more piple tree, Neem t which add huge qua ronment. Shri Gang of VSS Bank, Mar president and Shri Progressive IFS far

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KVK-WAYANAD

SKILL ACQUISITION PROGRAMME FOR THE JAIL INMATES

The programme was initiated with distribution of planting materials for developing nutrition garden in jail premises. Various fruit trees were also planted in the premises. KVK has initiated training programmes that will last for one year to educate the jail inmates on various skill development programmes on agriculture and allied activities like value addition of fruits and vegetables, mushroom cultivation, apiculture, milk and milk-based product diversification and value addition and on topics desired by the inmates.

The programme will help the inmates to get back to home and engage in productive activities that will support their livelihood.



KVK-VIJAYAPURA

HEALTH AND NUTRITION CARE OF CHILDREN DURING COVID-19 PANDEMIC

Online training programme was organized on 02.07.2021 Dr. Nataraj Durgannavar, Assistant Professor, Food Science and Nutrition, Karnatka State Akkamahadevi Women University delivered lecture on nutrition of children during covid and explained that a healthy diet should consists of different kinds of foods like Energy rich foods, Body building foods (Proteins), Protective foods (Vitamins and minerals) and suggested to eat plenty of fruits and vegetables. Fruits and vegetables are among the most important foods for supplying the vitamins, minerals and fibre. Dr. Ravi Y Scientist (Home Science), ICAR-KVK Indi emphasised on the current covid-19 pandemic which is leading dynamic challenge over the globe. Therefore, Optimal dietary nutrient intake will impact and boost the immunity system to strengthen immune system, an adequate intake of zinc, iron and vitamins like A, B12, B6, C and E are essential for the maintenance of immune function. Dr. R.B. Belli Associate Director of Extension, A.E.E.C. Vijayapura and Dr. R.B. Negalur Senior Scientist and Head, KVK, Indi present in the programme.



हर कदम, हर डगर
 किसानों का हमसाफर
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