

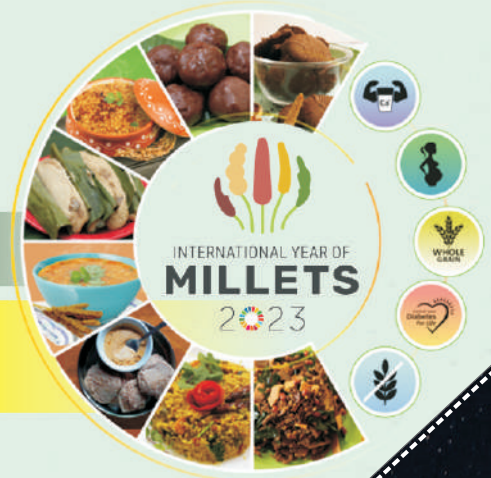


KVK TIMES

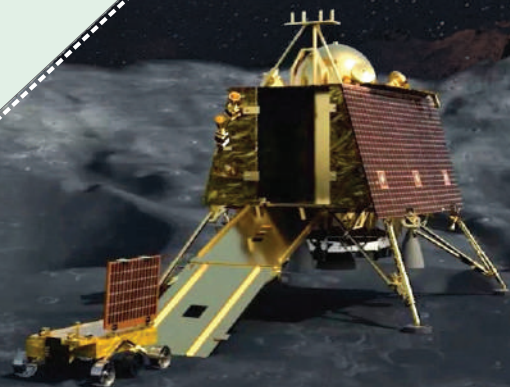
A window to KVKs of ICAR-ATARI, Zone-XI, Bengaluru

Vol 02 Issue 04 16-31 August 2023

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



A Tribute to ISRO.....



KVK TIMES

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



Sri. R. M. Patil

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

Foreword

The Krishi Vigyan Kendra's are the significant 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. 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.

Considering the extreme climatic conditions, KVKs have to give more priority to improvement of climatic conditions. Therefore, rain water harvesting, plantation of trees and more sustainable farming activities to be promoted. Sensitization of farm families to plant fruit trees so that good nutrition and environmental benefit is ensured. Additionally, millets are boon to good health and hence, promotion of millets farming is very essential.

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 2, 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

KVK TIMES

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

ಕೌಶಲ್ಯ ಕಡಾಡಿ
ಸಂಸದರು (ರಾಜ್ಯಸಭಾ)

ईरण कडाडी

सांसद - राज्य सभा

IRANNA KADADI

Member of Parliament (Rajya Sabha)



सत्यमेव जयते

MEMBER:

- Standing Committee on Rural Development
- Committee on Official Language
- Consultative Committee, Ministry of Labour & Employment
- South Western Railway Users Consultative Committee
- Konkan Railway Users Consultative Committee (KRUC)

MPRS-KLL/ 71 /2023.

Date: 01-09-2023

Message

The agriculture sector is gaining prominence like never before and hence its the most prioritized sector of Govt. of India. Under the noble leadership of Hon'ble Prime Minister Sri. Narendra Modiji, famer's welfare through strengthening agriculture infrastructure, ease of availability of credit at rural level, encouragement to entrepreneurship development in agriculture sector being done relentlessly. Numerous need-based programmes and schemes of the government to promote organic farming, efficient utilization of resources, value addition and e-marketing are significantly helping the farming community.

The role of Krishi Vigyan Kendras is worth appreciating at this juncture as they are working in root level of the county to bring the positive changes among the rural community through dissemination of technologies. Therefore, our government is committed to strengthening KVK System and thereby efficiency of out-reach programmes improved. Greater importance is given to improve the KVK infrastructure and human resource development.

In the occasion of publication of 2nd Volume of KVK Times, I congratulate the ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1 for its effort to compile the fortnight activities of Zone XI KVKs. KVK Times is the mirror of the activities of the KVKs and my wholehearted appreciation for the support of the Dr.Venkatasubramanian, Director of ATARI, Bengaluru to showcase the good works through this publication series. 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.




(IRANNA KADADI)

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KVK TIMES

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

ANNASAHEB SHANKAR JOLLE

MEMBER OF PARLIAMENT (LOK SABHA)
CHIKODI, KARNATAKA

MEMBER
PARLIAMENTARY STANDING COMMITTEE ON DEFENCE
CONSULTATIVE COMMITTEE FOR THE MINISTRY OF DEFENCE



सत्यमेव जयते

#1001, GANGA
Dr. B. D. Marg.
New Delhi-110001

Message

Government of India is committed to uplift the farming community of the nation. Able leadership of the Hon'ble Prime Minister Sri. Narendra Modiji is always keen to formulate the policies that helps the famers of the country. Right from the Kisan Samman Nidhi to formation of 10,000 FPOs, every possible step been taken to ensure the stability and certainty to the farmers.

In this juncture, ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1 has successful in implantation and dissemination of agriculture technologies in Belagavi district. We have witnessed the positive outcome for the technological interventions of this region and therefore we express our gratitude to the KVK. Also, Basavajyoti Farmers Producers Organization, Examba established in association with KVK Belagavi-1 is the real help to the farmers of this region. Under the guidance of the KVK, FPO has been able perform well and able to help the farming community.

I appreciate the efforts in compiling the works of 2nd fortnight of August, 2023 and its my pleasure to pen down my message for the KVK Times. We wish you all the very best to KVKs for their continuous endeavours to assist farming community.

Yours thankfully,

(Annasaheb S. Jolle)



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KVK TIMES

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



ಮಂಗಲ ಸುರೇಶ ಅಂಗಡಿ

ಮಂಗಲ ಸುರೇಶ ಅಂಗಡಿ

MANGAL SURESH ANGADI

Member of Parliament (Lok Sabha)
Belagavi, Karnataka



सत्यमेव जयते

Member, Parliamentary Standing
Committee on Health & Family Welfare

Member Consultative Committee
for Women & Child Development

NO:MPB;MESSAGES:14:2023-24

Dated: 9TH SEPT, 2023

-.MESSAGE:-

The Krishi Vigyan Kendra (KVK) has always been a part of the National Agricultural System(NARS) aiming at assessment of location specific Technology Modules on Agriculture and allied enterprises, through Technology Assessment, Refinement and demonstration. Needless to say its functioning as Knowledge and Resource Centre of Agriculture Technology, supporting initiative of Public/Private/ Voluntary Sector for improvement of Agriculture Economy. The mandate of KVK is Technology Assessment and demonstration for its application and capacity development.

The activities of KVK is thus proven to be pro-farmer, helping them in carrying out all of the improved farming Technologies.. Notable development is the farmers across the Country, have now adopted Integrated Farming System Module and have thus become self reliant.

This is so due to the pivotal role being played by Sri Narendra Modi Hon'ble Prime Minister in strengthening the existing KVK System., wherein, presently , nearly 731 such Centers are known to function across the Country, for the benefit of farming community .

Am truly delighted to know that KVK is coming out with the Publication of Fourth issue of 2nd Volume of KVK TIMES. highlighting the various activities of Krishi Vigyan Kendras

On this happy occasion I convey very best wishes to KVK fraternity of Zone-XI and also to Dr D A Mhetre , Sr Scientist & Head and his team too, who happens to be instrumental in the publication of this edition of KVK - TIMES



Mangal Suresh Angadi
(Mangal Suresh Angadi)

KVK TIMES

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

ICAR-Agricultural Technology Application Research Institute, Zone XI

भा.कृ.अनु.प.- कृषितिकनीकीअनुप्रयोगअनुसंधानसंस्थान, जोन XI

MRS, HA Farm Post, Hebbal, Bengaluru 560 024

एम.आर.एस, एच.ए. फार्मपोस्ट, हेब्बाल, बेंगलुरु ५६० ०२४

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Dr. V. Venkatasubramanian

डॉ. वी. वेंकटसुब्रमण्यन

Director

नदिशक

Message

Krishi Vigyan Kendras are playing pivotal role in handholding of farmers through technological backstopping for enhancing the productivity of crops and enterprise keeping in mind profitability and sustainability. 'Believing through seeing' and 'Learning by doing' is most appropriate to the KVKs, as the Scientists and farmers are jointly involved in implementing KVK mandated activities to reach the mission of enhancing the farmers income. KVKs are expanding the horizon from elite extension to innovation, market linkage, FPOs, processing and value addition. 48 KVK's in Zone XI of ATARI placed in states of Kerala, Karnataka and Lakshadweep Union Territory has immensely contributed in enhancing agriculture productivity and farmer income thus ensuring sustainable social and livelihood security of farm families

A first of its kind virtual platform, **KVK TIMES** which documents fortnightly activities of each of the 48 KVKs of Zone-XI is gaining a real momentum. The news items covered in issues made an impact that is long lasting. Most of the news items published in the TIMES has got the potential of cross learning among KVKs and worth reading. This should boost the morale of all of us and many such noteworthy efforts of our fraternity in the zone.

I am happy that KVK Belagavi-1 is bringing up the fourth issue of second volume of KVK TIMES covering the second fortnight of August 2023. I congratulate the KVK fraternity of Zone XI specially Dr. D. A. Mhetre, Senior Scientist and Head and his team of KVK, Belagavi-1 for bringing out this unique edition of KVK Times.

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



ACKNOWLEDGEMENT

I am extremely happy to express my deepest sense of gratitude and heartfelt thanks to our Honorable Chairman KVK, Belagavi-1, Shri. R. M. Patil, Ex. Minister Govt. of Karnataka for his constant support, encouragement and valuable guidance in achieving the mandates of KVK in jurisdiction. I also express my sincere gratitude towards the Honorable Member of Parliament, Rajyasabha Shri. Iranna Kadadi, for his whole heart, encouraged our KVK for this kind of collective approach towards documenting the KVK activities.

It is my great pleasure to extend my sincere thanks to Dr. V. Venkatasubramanian, Director, ATARI, Bengaluru for his moral support and valuable suggestions to move confidently during execution of all our KVK activities very smoothly. I would like to extend my heartfelt thanks to Dr. D. V. Kolekar, Scientist and Nodal Officer as well as Dr. Mallikarjun Hanji former Nodal Officer of KVK Tukkanatti for their guidance and timely support.

I would like to express my heartfelt gratitude to Dr. P. M. Gangadharappa, DEE , UHS Bagalkot for their overwhelming support and inspiration to carry out various activities successfully. I wish to place on record our sincere thanks to the galaxy of principal Scientists of ATARI, Bengaluru for giving us an opportunity to document KVK activities in second fortnight of August 2023 and all other KVKs in the Zone XI for timely submission of the event details.

This acknowledgment will never complete without the kind and generous support of my colleagues “TEAM KVK Belagavi-1” for their involvement in precise compilation and beautiful editing of KVK Times.

Date : 01-09-2023

Place : KVK, Belagavi-1

Dr. D.A. Mhetre

Senior Scientist & Head

ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1



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KVK, Alappuzha

Inter KVK exposure visit of Heads of Zone XI KVKs

Heads of eleven KVKs of Karnataka and one KVK of Kerala visited Pathanamthitta, Alappuzha and Kollam KVKs of Kerala for inter-KVK exposure initiated by ICAR-ATARI, Bengaluru on direction of the Council during the ICAR Foundation & Technology day celebrations. The team visited KVK-Alappuzha on 17th August, 23.

The one day programme in Alappuzha district began with an interaction with the director board members of the Onattukara Spices Farmer Producer Company (OSFPC) promoted by the KVK at the processing and value addition unit of the company. The different processes involved in the processing of turmeric were demonstrated to the members and during the interaction, major activities of the company for the benefit of the shareholders were discussed.

Then the team joined the 'Karashakadinam' (Farmers' day) celebrations of the Bharanikkavu Grama Panchayath where the President, Members and Agricultural Officer of the Panchayath received them with great enthusiasm. The day denotes the first day of the Malayalam calendar year (Chingam 1) and celebrated throughout Kerala as Farmers' Day.

On reaching the KVK, they were exposed to the NICRA project activities through the video and the photo exhibition. They went around the demonstration units of the KVK with technical discussions with the SMSs and

Farm manager. In the Agro Processing Training cum Incubation Centre (APTIC) of the KVK, the team members watched the display of various products prepared and marketed by the entrepreneurs promoted by the KVK and interacted with them on the process of handholding by the KVK from the capacity building onwards. They were also shown the unique unipole hoarding erected in front of the KVK highlighting the "International Year of Millets", 'Major programmes of the Govt. of India in Agri. Sector' and 'Natural Farming initiatives'.

Later the team members had a detailed interaction with the team-KVK-Alappuzha describing the prospects and potential of each of their KVK/District and major achievements. This helped all the participants to have an understanding of the flagship activities of each of the KVK.

Final part of the programme was the visit to Kuttanad region, where below mean sea level farming is practiced, to the locations of implementation of the NICRA project by the KVK. The team visited the climate resilient goat sheds, cage culture of fish, and the dewatering system (Petti and Para) in place for paddy cultivation in the region. Overall, the visit was fruitful and a learning experience for the visitors as well as the hosts.

(P. Muralidharan, Head)





KVK, Ballari

ICAR-KVK, Ballari implemented CFLD programme on sunflower

Sunflower occupying major area among the oilseeds crops in Ballari taluk expanded over an area of 1200 ha. Farmers are taking up the sunflower crop both in kharif and rabi situation in rainfed and borewell irrigation system in Ballari taluk. ICAR-KVK, Ballari scientists and Agriculture officers of KSDA, Ballari jointly visited sunflower fields for implementation of CFLD at Mincheri and Sanjeenvarayanakote villages of Ballari taluk on 22-08-2023. During the visit, scientist have diagnosed major problems such as Alternaria blight, necrosis virus disease and sucking pest incidence. Further scientists explained the nature of pest and disease symptoms and their management practices using specific bio-agents and pesticides. A total of 25 farmers were selected to implement the CFLD programme and given with critical inputs along with the recommended dose to manage the pest and diseases.

(Dr. Govindappa M.R, Head)



KVK, Belagavi-2

Parthenium Awareness Week

Parthenium Awareness week was celebrated at KVK instructional farm and as well as at farmers' fields from 16-22 August, 2023. Uprooted parthenium plants and sprayed broad spectrum herbicide at initial growth of the plant at instructional farm. Awareness has been created through trainings, dissemination of short messages through Whatsapp groups. G.B. Vishwanath, Scientist (Agronomy) urged farmers to uproot parthenium before seed setting stage, as an healthy parthenium plant can produce seeds upto 10,000-15,000 which is further disperse through air, water and animals. Farmers were briefed about life cycle and health hazards to human and animals, management practices through cultural, physical, chemical and biological methods were highlighted.

(Smt. Shridevi Angadi, Head and
G.B. Vishwanath, Scientist)



Off campus training programme

Off campus training programme on 'Integrated Crop Management in French Bean' was conducted in Ganikopp village of Bailhongal taluk. Praveen Yadahalli, Scientist (Horticulture) briefed varietal characteristics of Arka Sharath. Scientist (Soil science) Explained the water and nutrient management in French Beans. Use of micronutrient mixture developed by ICAR-IIHR, Bengaluru 'Arka Vegetable Special' was explained in



increasing crop yield and quality of vegetable crops and same was distributed the selected farmers. They expressed happiness about variety which is performing better compared to the present private varieties.

(Praveen Yadahalli, Scientist)



Scientists visit

KVK Scientists regularly visits the on farm testing plots and frontline demonstration at adopted villages. Mrs. Sridevi Angadi, Senior Scientist & Head along with G.B. Vishwanath, Scientist (Agronomy), S.M. Warad, Scientist (Soil Science) and Dr. S. S. Hiremath, Scientist (Plant Protection) visited Bevinakopp and Mutnal village, Bailhongal and Belagavi taluks to take observations on OFT soybean varieties and OFT on pest and disease management in soybean. As per the observations, delay in sowing due to late on set of monsoon, moisture stress plants are showing withering symptoms, farmers were advised to take up inter-cultivation operations to minimise evaporation losses and also weed management.

(G.B. Vishwanath, Scientist, S.M. Warad, Scientist and Dr. S. S. Hiremath, Scientist)



KVK, Bengaluru Rural

Millet Recipe Contest

With the aim to create awareness and to increase production and consumption of millets, year 2023 is declared as 'International Year of Millets'. On this occasion taluk level 'Millet Recipe Contest' was organized on 22.08.2023 by ICAR-Krishi Vigyan Kendra, Bengaluru Rural at Lakkondahalli village of Hosakote taluk.

The programme was inaugurated by Mrs. Bharathi, President, Lakkondahalli Gramapanchayath, Hosakote taluk. In her inaugural speech she addressed the importance of millet recipe contest in promotion of millets and opined that with these types of programmes farmers are realizing that they could get more income by growing and processing the millets. Smt. Koushalya, Teacher, Government Higher Primary School, Lakkondahalli, Hosakote taluk highlighted the nutritive values of millets and health benefits of millets in daily needs. Mrs. Meghana, S.V. Scientist (Home Science), KVK, Bengaluru Rural District emphasized on the importance of packaging, branding and marketing through digital platforms to ensure profitability to rural entrepreneurs. He mentioned the importance of self-help groups in developing micro enterprises to improve the economic status of the rural women.

(Mrs. Meghana. S.V Scientist)





Millets Recipe Contest

RAGI JAMUN—A UNIQUE CONFECTIONERY

As a part of creating awareness on production and consumption of millets, ICAR - KVK Bidar organized a Millet Recipe competition on 18-08-2023 for women of Bidar district at ICAR – KVK, Bidar. This event provided platform for 16 women to showcase their unique recipes prepared of millets. 47 different culinary items were participated in the competition, all were of Millet based. Three experts Evaluated and judged the products and ranked them. Among all products, Ragi Jamun bagged first prize followed by Millets Laddu and Millets Khichiadi Mix for 2nd & 3rd Position respectively.

Dr. K.Bhavani, Professor of Home Science, ARS, Bidar participated as expert & judge of the event and addressed the participants that the diversified food culture will play a very important role in building our healthy society. Another Chief Guest Sri. Shivkumar Yalal, Assistant Project Director, Zilla Panchayat Bidar called upon women SHG Member to take assistance of KVK Bidar and NRLM Schemes for producing and marketing of Millet based food products. On this occasion another Chief Guest Sri. Shashidhar Bhasan, proprietor of RuchitB Millet based products industry, assured to help SHG Womens for marketing of Millet based food products.

On his presidential words Dr. Sunilkumar N M, Senior Scientist & Head, KVK Bidar said that there are many examples of successful millet based food production units in the Bidar district and many of them are trained and supported by KVK Bidar he encouraged the participants to take same assistance and cooperation by KVK Bidar and get identified themselves as women entrepreneurs.

As a Judge Dr.K.Bhavani, Professor of Home Science, ARS, Bidar, Dr. Shasikala Ruli, Assistant Professor (Agricultural Extension), College of Horticulture, Bidar and Smt. Aarti Patil, Agriculture Officers, Agriculture Department, Bidar were nominated for this competition. The programme started by welcome notes by Dr. Ningdalli Mallikarjun and vote of thanks by Dr. Gnyandev Bulla. Officials from Agriculture Department, ZP and KVK Bidar witnessed the programme.

(Dr. Sunilkumar N M, Head, Smt. Jyothi S Kamthane, Senior Technical Officer, Dr. Ningdalli Mallikarjun, Scientist and Dr. Gnyandev Bulla, Scientist)





KVK, Chamarajanagara

Celebration of World Bio-fuel day

ICAR KVK Chamarajanagara organized World Bio-fuel day 2023 in association with KSBDB Bengaluru, Department of Social forestry, Zilla Panchayath, Chamarajanagara and Souharda FPO Ankanashettipura on 25.08.2022 at ICAR KVK Chamarajanagara. Mrs. Poovitha S, CEO, Zilla Panchayath Chamarajanagara inaugurated the programme and planted Pongamia seedlings at the campus site along with farmers, farm women and other guests. Use of Bio-diesel was demonstrated by loading KVK tractor with bio diesel. She expressed that bio-fuels, which are environment-friendly fuels, should be used as an alternative to conventional fossil fuels. Dr. HT Nagaraju, retired Professor (Horticulture), V. C. Farm, Mandya expressed that an attempt should be made to create awareness. The information about facilities available and activities carried out at BRIDC, KVK Chamarajanagara was highlighted by Ms. Ananya S. Dr. B Pompanagouda, Senior Technical Officer briefed about the importance of celebrating the programme and shared the technical information regarding the cultivation of plants and procurement of seeds required for the production of bio-diesel. Dr. Yogesh G. S., Senior Scientist and Head presided the programme and urged the farmers to conserve the resources to combat climate change and environmental pollution where burning of fossil fuels stands as one among the reasons. In total, 60 farmers, farm women and FPO office bearers took part in the programme.

(Dr. Yogesh G. S, Head and Ms. Supriya N. S., Scientist)



Capacity Building Programme on Sericulture

A three days capacity building programme on Sericulture was organised and conducted at ICAR Krishi Vigyan Kendra in collaboration with Swami Vivekananda Youth Movement (SVYM), Gundlupete and Department of Sericulture, Chamarajanagara from 21st to 23rd August, 2023. The training was inaugurated by Dr. Yogesh G.S, Senior Scientist and Head, KVK, Chamarajanagara and Sri. Puttadasa Naika, Programme Manager, SVYM who in their inaugural speech highlighted the significance of including sericulture enterprise as a component of integrated farming, drip irrigation and sericulture waste composting.

Dr. Chandrashekar S. Kallimani, Scientist (Sericulture) imparted training to sericulture farmers on integrated mulberry crop management aspects. Dr. B. Pompanagouda, Senior Technical Officer and Dr. Shivaray Navi, Assistant Entomologist, AICRP Cotton provided detailed information on integrated management of diseases and insect pests in of Mulberry. As a part of the programme, trainee participants were taken to progressive sericulture farmers field at Byadmudlu and Bandigowdanahalli villages wherein they visualised mulberry garden management, low cost rearing house, seed cocoon rearing unit, recycling of rearing waste for trenching mulching in Mulberry, manuring and gobar gas production. All the trainees were provided with a certificate each while concluding the programme.

(Dr. Chandrashekar S Kallimani, Scientist and Dr. Yogesh G. S, Head)





KVK, Chikkaballapura

Training on Millet Production

ICAR-Krishi Vigyan Kendra, Chikkaballapura in collaboration with AICRP, Millets, GKVK, UAS, Bangalore organized a training programme on Improved practices in Millets production on 17.08.2023 under SCSP programme. Dr. Papireddy, Senior Scientist and Head welcomed the gathering and emphasized on importance of millets. Dr. Nagaraj. T.E. Principal Scientist, AICRP, Millets highlighted about the improved production technologies in millets. Dr. P. Venkataravana, Dean, (Seri) in his presidential remarks highlighted about promotion of millet production in its value addition. Technical sessions were organized during the programme. Critical inputs were distributed to the beneficiary farmers during the event.

Programme on discussion on Digitalization of Agricultural Extension System was organized at ICAR-Krishi Vigyan, Kendra, Chintamani on 24.8.2023. Shri. Sajith Kumar Kunhalath, Director (FI), Department of Agriculture and Farmers Welfare, GoI participated in the programme and explained about the importance of digitalization in agriculture. Dr. Papireddy, Senior Scientist and Head explained about the purpose of the programme and insisted the farmers to give their opinion in development of mobile app related to agriculture. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) presented about different initiatives taken up by KVK, Chikkaballapura and application of different social media in dissemination of technologies to the farming community.

(Dr. Papireddy, Head)



KVK, Chikkamagaluru

Millet's Recipe Contest

ICAR-Krishi Vigyan Kendra, Chikkamagaluru has organized the Millet recipe contest on account of international year of millet-2023 at Garugadahalli, Kadur taluk on 23.08.2023. The Program was inaugurated by Mr. M Murali, President, Grampanchayathi, Garugadahalli, Kadur taluk. Dr. Krishnamurthy, A.T., Senior Scientist and Head, addressed the gathering that millets have been an integral part of our diet from centuries. Millets are also good for the environment with low water and input requirement.

Dr. Sneha Shigihalli, Scientist (Home science), briefed that, millets these days gaining lot of importance as the lifestyle related disorders such as B.P, sugar, obesity, cancer, celiac disease are increase, the regular consumption of millet can combat in prevention /management of these disease, hence stressed to include these millets in at least one portion of the meal. Further explained that millet value-added products are also gaining lot of importance in metro cities due to its enormous health benefits.

On this occasion Dr. Suresh Kumara, Scientist (Horticulture), KVK, Chikkamagaluru, hosted the event. Mr. Anand Murty, Head, G.H.S. Gargudaahalli, Mr. Rajappa, Head, Manikya FPO and Ms. Pooja, CEO and Dhanush Patel (Agromet observer) were present. A total of 96 farmers participated in this programme, of which total 37 women took part in recipe competition and 5 contestants were awarded with prize and certificate in Millet recipe competition.

(Dr. Krishnamurthy, A.T, Head and Mrs. Shabnum P.S, Scientist)





KVK, Chitradurga

Castor Field day

ICAR Krishi Vigyan Kendra, Chitradurga in collaboration with AICRP, Castor, GKVK and AICRP (Seeds), GKVK, Bangalore has organized Field day of castor hybrid ICH-66 on 30-08-2023 at Mr. Dyamappa's castor plot in Nandana Hosuru village of Holalkere taluk, Chitradurga district. The field day programme was inaugurated by Dr. K. Madhusudhan, Special Officer (Seed), AICRP (Seeds), GKVK, Bangalore by pouring water to castor plant. During his inaugural speech he emphasized on the various central government schemes pertaining to promotion of oil seed production.

Dr. Kumara O, Senior Scientist and Head, KVK presided over the programme and during his presidential address briefed about the suitability of ICH-66 castor hybrid to the low rainfall areas. Castor being a climate smart crop it can be grown as an alternative for groundnut and Maize in low rainfall area. This crop can be adopted very well in rainfed areas and can yield better and earn good profits. During the technical session Dr. S. Onkarappa, Scientist (Plant Protection), KVK discussed about the various pest and diseases of castor and arecanut and also suggested the management practices. Dr. Yamanur, Junior Breeder, AICRP, Castor, GKVK briefed about the various uses and varietal characteristics of castor hybrid ICH-66. Dr. Mohan Kumar, Agronomist, AICRP, Castor, GKVK, discussed about the improved cultivation practices for the ICH-66 castor variety. Dr. Shivaleela Kukanuru, Assistant Professor, ZAHRS and Mrs. Geetha Kumari B N, Senior Technical Officer, KVK, and farm leaders of Nandana hosuru village Mr. R.J. Girish, Mr. N.D. Halappa, Mr. Dyamappa were present during the programme.

**(Dr. Kumara, Head, and
Geetha Kumarai B.N , Sr. Technical Officer)**



Farmers Field School -“Soil and Water Quality Analysis”

As a part of Farmers Field School Programme, Method Demonstration on Soil Sampling was organized on 21st August 2023 at Hariyabbe Village, Hiriyur Taluk.

Dr. Ravikumar. D, Scientist (Soil Science) briefed about the soil sample collection site selection with respect to Physical, Chemical and Biological Properties of the Soil, Soil fertility, Soil Productivity and Soil health related information. By Keeping in view of properties of soil, he explained the scientific way of collection of soil samples in different land use types (Perennials and Field Crops). He emphasized on precautionary measures to be taken while collecting soil sample, soil test values and integrated nutrient management based on soil test values. Further, farmers were asked to collect soil samples in their own plots by following scientific procedure as explained in the session. Dr. Preethi, Scientist (Agri Extn) and FFS Co-ordinator insisted to adopt integrated nutrient management by using organic and inorganic source of nutrient for sustainable production. Totally 30 FFS farmers were present in the session.

(Dr. Preethi, Scientist)





KVK, Dakshina Kannada

TRAINING -CUM- METHOD DEMONSTRATION OF PADDY TRANSPLANTING

A training cum method demonstration of paddy transplanting was organised at KVK instructional farm of DK Mangalore. Information on mechanised transplanting of paddy in comparison to traditional manual transplanting was provided to the NSS student volunteers of St. Aloysius College Mangalore affiliated to Mangalore University. This was followed by method demonstration of paddy transplanting by transplanter machine and manual transplanting of paddy seedlings in KVK instructional farm by the NSS student volunteers. The senior scientist and head KVK along with other scientists were present on the occasion and gave necessary guidance to the 30 student volunteers who actively participated in the programme.

**(Dr. Harish Shenoy, Scientist and
Dr. T. J Ramesha, Head)**



CAPACITY DEVELOPMENT PROGRAM

The ICAR- Krishi Vigyan Kendra, Dakshina Kannada organized, Capacity Development program and implementation of FLD on 'Scientific Management of Male Kids (Goat)' at Chennaittodi village, Bantwala Taluk, Dakshina Kannada district on 11.08.2023. Dr. Shivakumar, R., Assistant Professor, ICAR-KVK, Dakshina Kannada Coordinated the program, he addressed the participant farmers regarding Scientific Management of Male kids and emphasized more on advantages of scientific rearing of Male Kids in yielding better quality and quantity of Goat meat thereby they can increase their net income. During this program Dr. Mallikarjun, scientist (Soil Science) ICAR-KVK, Dakshina Kannada and Dr. Ashok Shetty, D. Senior Veterinary officer, Vamadapadavu, Bantwala Taluk, Dakshina Kannada district were present. A total of 32 farmers were benefitted by this program. Ten beneficiary farmers were provided with critical inputs for the implementation of Front Line Demonstration.

**(Dr. Shivakumar. R, Scientist and
Dr. T. J Ramesha, Head)**





KVK, Davanagere

Method demonstration of Mechanized transplanting in Rice

Implemented the Front line Demonstration (FLD) – Integrated Crop Management in Rice at Halaebathi, Davanagere taluk. Attended the Method demonstration of mechanized transplanting of paddy through walk behind machine. Mr Mallikarjuna B.O. SMS (Agronomy) explained that this implement will take one hour to transplant the paddy in one acre consuming two liters of petrol with cost of Rs.2000/ acre as against the manual transplanting requires Rs.3000 per acre. Also advised the farmers to go spraying of cholopyripus @ 2ml/l of water if there is the incidence of stem borer incidence at early stages of crop growth to avoid the damage at later stages. 10 kg of seeds were used for mechanical transplanting and we can save the cost of 20 kg seeds

(Mr Mallikarjuna B.O. Scientist)



Celebration of Parthenium Awareness week

Celebration of the Parthenium Awareness week at ICAR- Taralabalu KVK, Davanagere from 16th to 22nd, August 2023. Mr. Mallikarjuna B.O., SMS (Agronomy) created awareness about the harmful effects of parthenium and its management practices through various methods like mechanical and manual removal, biological control and use of chemicals. *Parthenium hysterophorus* is a species of flowering plant in the family Asteraceae and it is native to the America tropics.

Cassia tora commonly called “naye shenga” and marigold are capable to replace partheium when we broadcasted in the waste lands during the April – May. Biological control of Parthenium was started with introduction of a host specific leaf feeding beetle *Zygogramma bicolorata* (Mexican beetle) belonging to family Chrysomelidae from Mexico. The last method to eradicate the parthenium is chemical, it is an effective method to control parthenium in the areas where its natural enemies are absent. Chemical herbicides such as chlorimuron ethyl, glyphosate, atrazine, ametryn, bromoxynil, and metsulfuron, are known to be very effective in controlling this weed. 35 farm women's participated in the program and involved in eradication of parthenium in KVK farm.

(Mr Mallikarjuna B.O. Scientist)



Follow up field visit to FLD

Follow up field visit to the FLD–Intercropping of Redgram in Hybrid Maize at Kattegehalli, Jagalur taluk. The crop is suffering from moisture stress and there was a long dry spell of 22 days. Mr. Mallikarjuna B.O. SMS (Agronomy) suggested to the farmers that crop is at vegetative stage and suggested for the protective irrigation through sprinkler at the critical stages of crop

(Mr Mallikarjuna B.O. Scientist)





KVK, Dharwad

Visit to Shreshta Krishika/ Shreshta Krishi Mahile Awards applicants

ICAR-Krishi Vigyan Kendra, Dharwad Scientists visited Shreshta Krishika/ Shreshta Krishi Mahile Awards applicants of Dharwad district for Krishi Mala 2023 during II fortnight of August 2023. The Scientists of KVK evaluated the four Shreshta Krishika award applications and four Shreshta Krishi Mahile award applications of Dharwad district who adopted Integrated Farming System. The fields of Shreshta Krishika award applications viz., Shri Devendrappa Jinnappa Papannavar, Mugad village of Dharwad taluka, Shri Basanagouda Shivanagouda Patil, Jogellapur village of Dharwad taluka, Shri Fakirappa Subbanna Murari of Hosatti village of Dharwad taluka and Shri Shoukatali Hajaresab Lambunavar, Naganur village of Navalagund taluka were evaluated and documented by Dr. Shweta Biradar, Scientist (Home Science) and Dr. Praveen T. Goroji, Senior Technical Officer. The fields of Shreshta Krishi Mahile award applications viz., Smt. Josna Galagali, Halligeri village of Dharwad taluka, Smt. Nagavva Amruta Marihal, Honnapur village of Alnavar taluka, Smt. Jyoti S. Chandarimath, Aravatagi village of Alnavar taluka and Smt. Pushpa Hurkadli, Yaliwal village of Kundagol taluka were evaluated and documented by Dr. Jayashree Pattar, Scientist (Animal Science) and Dr. Airadevi P. Angadi, Scientist

(Horticulture). The final evaluation was done by Dr. S. A. Gaddanakeri, Associate Director of Extension, UAS, Dharwad Dr. M. S. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad and Dr. Geeta L., Assistant Director of Agriculture, Department of Agriculture, Dharwad

(Dr. M. S. Biradar, Senior Scientist and Head)

Visit to Innovative farmers fields of Dharwad district

In view of Krishi Mela-2023 to be held from 9-12 September 2023, ICAR-Krishi Vigyan Kendra, Dharwad has identified the innovative farmers of Dharwad district. Dr. Jayashree Pattar, Scientist (Animal Science) and Dr. Airadevi P. Angadi, Scientist (Horticulture) made visit to innovative farmers' fields on 21.08.2023. The innovative farmers fields of Shri Krishna Gajakosh, Challamatti village of Kalaghatagi taluka who excelled in scientific method of mushroom cultivation, Shri Krishna Ashoka Madalli, Hallikeri village of Annigeri taluka, who invented machine operated weeder-cum-sprayer and Shri Vishalkumar Math, Kyarakoppa village of Dharwad taluka adopted new method for orchid flower cultivation in protected condition were visited by KVK Scientists and documented the success stories of innovative farmers

(Dr. M. S. Biradar, Head)





KVK, Ernakulam

KVK conducted fish fingerling sales mela

The KVK Ernakulam conducted a sales mela on 3rd August 2023 at Kerala Agro Industries Corporation Limited (KAICO), Athani to supply quality Pearls spot fish fingerlings to farmers. The fingerlings were of two size category, viz., 2-3 cm and 4-6 cm packed in oxygen filled bags for long distance transportation. The fingerlings were produced by KVK trained Self help group. Earlier the KVK made an agreement with KAICO to market seeds produced by its partner farmers through KAICO outlet. Dr.P.A. Vikas, Subject Matter Specialist (Fisheries) briefed scientific seed handling and farming methods to the farmers. Total of 1150 fingerlings were supplied to 17 farmers during the sales mela.

(Dr.P.A.Vikas, Scientist and Dr.Shinoj Subramannian, Principal Scientist & Head)



KVK's partner wins State award

The School for the blind, Aluva to whom the KVK has been providing technology backstopping won the Kerala State award for the *Best private institution engaged in Agriculture* during the year 2022-23. The award was primarily to acknowledge activities of the School in setting up of 1 acre vegetable farm cum sensory garden for the students. The project was aimed at creating interest among the students towards farming and self production of safe food. Best quality vegetables could be supplied to the Student's canteen while the surplus sold through school sales outlet. The KVK supplied quality planting materials to the school and also provided technical guidance of KVK Subject Matter Specialist (Horticulture), Shri Shoji Joy Edison at all stages of farming.

(Shri Shoji Joy Edison, Scientist and Dr.Shinoj Subramannian, Principal Scientist & Head)



മികച്ച പച്ചക്കറി കൃഷി ചെയ്യുന്ന സംസ്കാര സ്ഥാപനത്തിനുള്ള പുരസ്കാരം, തെങ്ങിൻ കുറമ്പത്ത് ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു.

മികവിന്റെ പച്ചക്കറി കൃഷിക്ക് പുരസ്കാരം

വടാലൂർ • മികച്ച പച്ചക്കറി കൃഷി ചെയ്യുന്ന സംസ്കാര സ്ഥാപനത്തിനുള്ള പുരസ്കാരം തിരുവനന്തപുരത്ത് ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. അതിൽ ചുരുക്കമായി ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. മികച്ച പച്ചക്കറി കൃഷി ചെയ്യുന്ന സംസ്കാര സ്ഥാപനത്തിനുള്ള പുരസ്കാരം തിരുവനന്തപുരത്ത് ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. അതിൽ ചുരുക്കമായി ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. മികച്ച പച്ചക്കറി കൃഷി ചെയ്യുന്ന സംസ്കാര സ്ഥാപനത്തിനുള്ള പുരസ്കാരം തിരുവനന്തപുരത്ത് ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. അതിൽ ചുരുക്കമായി ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു. മികച്ച പച്ചക്കറി കൃഷി ചെയ്യുന്ന സംസ്കാര സ്ഥാപനത്തിനുള്ള പുരസ്കാരം തിരുവനന്തപുരത്ത് ചാവറ പൊതുകമ്മ്യൂണിറ്റി മെമ്പർമാർക്ക് കൗതൂഹലം പിറകുവെക്കുന്നു.



KVK, Gadag

MILLETS AWARENESS CAMPAIGN

Millet awareness campaign was organised jointly by ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti and Karnataka State Department of Agriculture, Gadag. Four programmes were organised at Mahalingapur, Hanganakatti, Asundi and Antur-Betru villages, Gadag taluk on 13-14th of August, 2023

Shri D.R.Patil, Ex-MLA, Gadag and Chairman, KVK Hulkoti has initiated in organising the awareness campaign on Millet cultivation and its nutrition for benefit of farmers and other stakeholders. The Campaign was inaugurated by Dr.Khadar Valli, Food Scientist and he spoke on importance of millets in daily diet and its usage. Further, he said that, the increase in life style disease like blood pressure, thyroid, diabetes is due to the consumption of rice and wheat. The daily intake of millets helps in getting dietary fiber which reduces the acidity and constipation problems.

(Dr.Sudha V. Mankani, Head)



PARTHENIUM AWARENESS WEEK

On this occasion the Grama Panchayat President, Vice-President and Village Leaders, KSDA Department Staff, KVK Staff, Village Extension Workers, SHG Members, women and children of respective villages participated in the awareness programme. Overall, 700 members participated in the programmes.

(Shri N.H.Bhandi, Scientist,
Smt. Hemavati R.H., Scientist and
Dr. Vinayaka Niranjan, Scientist.)



PARTICIPATION IN NATIONAL SEMINAR ON MILLETS-2023

ICAR-KVK, Gadag participated in 2 days National Seminar on Millets-2023 on Abiotic Stress Management for sustainable Millet based production systems” organized by “Society for Agricultural Research on Abiotic Stress” (SARAS) in collaboration with ICAR-National Institute of Abiotic Stress Management, Baramati, Department of Agriculture, Government of Maharashtra and KVK Baramati from 22 to 23 August, 2023 at UAS Bangalore. The Poster was presented by Shri N.H.Bhandi, SMS (Soil Science) on “Impact Analysis of High Yielding SPV-2217 variety of Rabi Sorghum in Gadag district”. The poster presentation has been awarded the "Best Poster Presentation" award during our national seminar on millets-2023

(Shri N.H.Bhandi, Scientist)





KVK, Hassan

Millet Recipe Competition

On the eve of International Year of Millets-2023 ICAR Krishi Vigyan Kednra, Kandali, Hassan in collaboration with the Sneha Seva Organization, Channarayapatna organized the millet recipe competition at Didaga Village of Channarayapatna taluk on 19/08/2023 to highlight the health importance of millets. Mrs. Malini Suvarna, DDM, NARBAD, Hassan presided the programme and during his inaugural address she said that women play an important role in providing good quality food to the family. Dr. Shivashankar, M., Scientist (Home science), KVK Hassan has organized the programme and during his introductory speech addressed that millets cultivation and consumption is important. Mr. Chakrapani, director of Sneha Seva Organization, Channarayapatna said that farmers should bring awareness among fellow farmers along with the daily use of millets in their food diet.

During the porgramme the dishes made from different types of Millets made the mouths of the attendee's water and an effort was made to make the people aware of the nutritional importance of cereals, the benefits of consuming them, the method of preparing value added products and the methods of preparation of the displayed dishes. Further, in the cooking competition, 31 farmer women participated and prepared various types of millets recipes like navane payasa, navane laddu, navane palay, same laddu, navane, haraka, same and ragi mixture and chakkuli, ragi dosa, ragi shavige, ragi halwa, ragi laddu, ragi uppittu, ragi flour, ragi paddu, pakoda and idli. Coromandel Company's Dr. Rajshejar and his staff, head master's of Didaga Government Senior Primary School, fellow teachers and children, President of Bahubali FPO, Secretary of Grama Panchayath and 69 farmers and farmer women from Didaga and surrounding villages were participated in the programme

(Dr. Shivashankar, M., Scientist)



KVK, Haveri

Field Day on “Integrated Crop Management in Garlic”

“ICM in Garlic” on 29/8/2023 in the progressive farmer field at Dandagihalli village of Rattihalli Tq. On the occasion, Dr. Guruprasad G.S, Senior Scientist and Head, KVK, Haveri highlighted the importance of new improved varieties in pest management as farmers are cultivating existing Ranebennur local garlic variety which is being cultivated in 1999 ha area with low yield. Adoption of improved variety DWD G-1 is a high yielding variety with short phonological period. Further he narrated thrips and purple blotch disease management.

Dr. Santhosha HM, Scientist (Horticulture) informed the farmers that DWD G-1 garlic variety was developed by University of Agricultural Sciences, Dharwad. Further he briefed maximum yield parameters like polar diameter of bulb, clove length and width, bulb yield per hectare (> 6 t/ha) observed in DWD G-1 variety compared to Ranebennur local variety. Later, Shri. Hanumanthagouda frontline demonstration beneficiary farmer shared his experience about ICM practices which he has followed in garlic crop. He opined that DWD G-1 variety bulbs are bigger and uniform in size compared to local variety which will fetch high price in the market. About 22 garlic growing farmers from Dandagihalli and surrounding villages were participated in the programme.

(Dr. Guruprasad G.S, Head)





KVK, Idukki

Agricultural Drone Demonstration in Cassava field at Adimaly Cluster Village

ICAR – Krishi Vigyan Kendra, Idukki in association with ICAR-Central Tuber Crops Research Institute, Trivandrum organized an Agricultural Drone Demonstration at Adimaly Cluster Village. The Demonstration was showcased in different plots of Cassava field. Dr. R Marimuthu, senior Scientist and Head, KVK Idukki welcomed the dignitaries and delivered a opening remarks on Importance and Benefits of Drone technology in Agriculture. Spraying of Micronol (Cassava micronutrient) solution in field was done under the guidance of Dr. V S Santhosh Mithra, Principal Scientist, ICAR-Central Tuber Crops Research Institute, Trivandrum. He stressed on Benefits of Applying Nutrient solution in cassava as it Improve efficiency, Enhances crop yields, Reduce costs, Improve accuracy Along with delegates from ICAR-Central Tuber Crops Research Institute, Trivandrum, Dr. R Marimuthu, Senior Scientist and Head, Ms. Manju Jincy Varghese, SMS (Soil science) and Ms. Ashiba A, SMS (Agronomy), KVK Idukki participated in the programme.

(Ms Preethu K Paul, Scientist)



KVK, Kalaburagi-I

Parthenium Awareness Week

On the eve of Parthenium Awareness Week (16th to 22nd August, 2023), by ICAR-Krishi Vigyan Kendra, Kalaburagi-I organised an awareness programme on parthenium eradication at KVK campus on 17.08.2023. The programme was handled by Senior Scientist and Head, and staff. After the programme, briefed about the history & necessity of celebration of parthenium awareness week, importance of removal of parthenium weed and its effects on crops and animals. Scientists, staff of KVK and farmers were actively participated in the programme. A total of 25 staff and farmers were participated in the event.



Training Programme on Agriculture and Agril. Employments to farm Women

ICAR-Krishi Vigyan Kendra, Kalaburagi-I in association with Sri Dharmasthala Manjunatheswara, NGO and Yadagiri organised Two days training programme on Agriculture and Agril. Employments to the farm women of Yadagiri district on 17th and 18th August, 2023. During the programme, Soil Scientist Dr. Shreenivas, B. V explained about the KVK mandated activities, facilities and services available at the KVK. Further, he discussed about importance of soil and water testing in Agriculture and nutrient management in pulses. Dr. P. Vasudev Naik, Scientist (Horticulture) delivered lecture on the cultivation of chemical free fruits and



KVK, Kalaburagi-II

Training Program to the Extension Functionaries

vegetables for daily consumption and also explained the role of Kitchen and Terrace garden in our diet for nutrition and sustainable income. Dr. Zaheer Ahamed, Scientist (Pathology) interacted with participants on integrated disease management in field and horticulture crops. Dr. Yusufali Nimbaragi, Scientist (Agronomy) emphasised on improved agronomic practices in red gram, chickpea and sugarcane crops.

After the programme, participants visited to different method demonstration units of the KVK like, compost, vermicompost, hydroponics, azolla unit, poultry unit, medicinal & aromatic plots, soil testing labs, organic inputs demo, museum, terrace garden and dairy farm. Finally, Dr. Shreenivas, B. V anchored and Dr. Zaheer Ahmed vote of thanked the programme. A total of 60 farm womens from different villages of Yadagiri district were actively participated and benefitted from the training.

(Dr. Raju G. Teggelli, Head, Dr. Vasudev Naik, Scientist, Dr. Zaheer Ahamed, Scientist, Dr. Yusufali Nimbaragi, Scientist and Dr. Shreenivas B V, Scientist)

ICAR-Krishi Vigyan Kendra, Kalaburagi-II (Raddewadgi) in collaboration with Joint Director of Agriculture, KSDA, Kalaburagi organized one day training program on usage of mobile app for management of pink boll worm in Cotton. In the first session Dr. Samad Patel, JDA, KSDA, Kalaburagi briefed about incidence of pink boll worm in the district and its effect on farmer income. He also opined, this application might be helpful to mitigate the pink boll worm incidence. In the later session Dr. N. Manjunatha, Sr. Scientist and Head, ICAR-KVK, Kalaburagi-II explained in detail about production technology of cotton and he also opined the same about mobile application. In the second session, Mr. Gokul, Technical person demonstrated the mobile app which was developed by Wadhvani AI organization Dr. Anasuya Hugar, DDA, Kalaburagi expressed present situation of pink boll worm infestation which was undetectable in the earlier stage during flowering without monitoring by pheromone traps. This should be taken care by the all field level extension functionaries. Dr. Chethan T., Scientist (Horticulture) briefed about intercropping of flower and vegetable crops viz., marigold, chilli, watermelon and sunflower in cotton for the management of sucking and other pests in cotton and also to increase the income with crop diversity. This program was witnessed by all talukas ADA, AO, AAOs and Technical persons of ATMA of the district.

(Dr. N. Manjunatha, Head)





KVK, Bagalkote

Capacity development programme

ICAR-Krishi Vigyan Kendra, Kalaburgi-II (Raddewadgi) in collaboration with AICRP, Dry land Agriculture, Bijapur, UAS, Dhaward jointly organized capacity development programme to SC farmer / Farm women of S.N. Hippara village, Tq. Jewargi under SCSP programme on “Vermicomposting and Cycle Weeder” on 26-08-2023 at ICAR-Kalaburgi-II (Raddewadgi). During the event Dr. M. P. Poddar, Chief Scientist, AICRP on Dry land Agriculture, Bijapur highlighted the importance of SCSP Project on livelihood improvement of SC farmers. Dr. R.A. Nandagavi, Agronomist, AICRP, Dry land Agriculture, Bijapur highlighted the contingent crop plan.

Dr. N.Manjunatha, Sr. Scientist and Head, ICAR-KVK, Kalaburgi-II explained about preparation of vermicompost and its effective utilization in agriculture for the high yield and income. Vermicompost production can be adopted as subsidiary income agricultural business. Dr. Chethan T., Scientist (Horticulture) briefed about utilization of cycle weeder efficiently in horticulture crops and its economical benefit over the cost input for labours in inter-cultural operations. More than 50 farmer and farm women benefited the program and distributed cycle weeder and vermicompost HDPE beds.



Parthenium Awareness Week

Parthenium Awareness Week was conducted at KVK Bagalkote from 16-22 of August 2023. A total of 15 participants, KVK Scientists and farm labours participated in the event.



Award selection for Best farmer and farm women for Krishi Mela 2023:

Different fields of Mudhol taluk were evaluated for best farmer and farm women for Krishi Mela 2023 by Dr. Sudha S, Scientist (Plant Pathology) and Dr. S. C. Angadi, Senior technical Officer, KVK Bagalkote along with line department officials on 17.08.2023.

**(Dr. Sudha S, Scientist and
Dr. S. C. Angadi, Senior technical Officer)**





Dwarfing of Kuttiyattoor Mango and conservation of elite varieties by producing quality grafts

A front line demonstration to revive old and senile mango trees of the GI registered Kuttiyattoor mango was started at Pontharamba in Kuttiyattoor panchayat. The wonder fruit of Kuttiyattoor got GI registration during 2021 and the wonder tree is growing naturally in almost all homesteads of Kuttiyattoor panchayat producing natural mangoes.. The GI area spread across 23 panchayats in the district. As all the naturally grown trees are growing at a height of over 5 meters, farmers are finding it difficult to harvest the ripe fruits at correct stage of maturity and a huge quantity of mangoes are lost . The old and senile trees are also making it difficult for harvesting the best quality fruits at correct stage of maturity. The front line demonstration of top working of old and senile trees were carried out with co ordinated activities of Kuttiyattoor Mango Producer Company, Kuttiyattoor Grama Panchayat and Department of Agriculture and farmers with technical support ICAR KVK Kannur.

(Dr. Jayaraj P, Head)



Old Senile Kuttiyattoor mango



Top worked Kuttiyattoor Mango

NICRA activities at Chengalai panchayat

NICRA programme is being implementing at Chengalai panchayat to address climate related issues by making homesteads self-sustaining. Demonstration on integrated approach of production of food grains, tubers and spices were demonstrated at NICRA village utilizing all natural resources with participatory approach. To address the shortage of quality rooted pepper cuttings mother vine progeny gardens of latest released farmer preferred improved varieties of black pepper, viz., Panniyur 8 and Vijay were established with technical support from ICAR KVK Kannur in farmers fields.. Participatory mode production of amorphophallus var Gajendra and greater yam Neelima and fodder var Co 3 and super napier also started in NICRA village.





Promotion of Coir pith compost production technology

The ICAR-Krishi Vigyan Kendra, CPCRI, Kasaragod promoted a farmer producers company “Tulunadu Ecogreen Farmers Producers Company” at Munnad, Bedadka grama panchayath in Kasaragod district. The company is engaged in agglomeration and value addition of agricultural producers in the district. The Krishi Vigyan Kendra Kasargod trained farmers under the company for production of coir pith compost, an eco friendly technology which was developed at ICAR-CPCRI Kasaragod. The company formed JLG group with farmers which was named “Sukrutham” JLG group. The company assisted JLG group to get financial assistance from bank for production of organic manure through composting of agricultural waste like coir pith which is easily available in the village. The group erected compost production unit for the commercial production of compost.

The basic component for the production of compost was coir pith. This was put in 5mtr length, 3 mtr width and 1 ft height over which a layer of cow dung or poultry manure was applied @10%. Lime and rock phosphate also added as layer (@0.5% each) to activate the composting process. Also added glyreccedia leaves along with these materials to enhance composting. Then a composting solution of effective micro organisms (EM) multiplied with jaggery over a period of 2 weeks was sprayed. Such layers were added up to a height of 1 metre. Then entire heap was covered with a polythene sheet and the edges were covered with soil to make it air tight. Sufficient watering is required to maintain the moisture

level of 40%. This was kept for around 40 days and then covers were open and the partially composted materials were mixed thoroughly and sufficient water was sprayed to maintain the moisture content. The heap was again coved with sheet for another 40 days. After 3 months the entire material is converted into good organic manure with uniformly graded small particles with a blakish colour. The material was then sieved and packed into bags of 40 kg for distribution to farmers.

The company produced around 30 tons of organic manure which is ready for sale at a rate of Rs.15/kg. This activity has increased the revenue generation of the company and also provided an income to the JLG group farmers engaged in this activities. This activity has also ensured good quality organic manure production requirements of the farmers of the locality. The company organized an event on 24th August 2023 for inaugurating the sale of organic manure. Shri A Madhavan, Vice president, Bedadka Grama panchayat inaugurated the event and Dr. T S Manojkumar, Head KVK, Kasaragod carried out the first sale of the compost. Shri. K Manikandan, Programme Assistant, KVK handled a session on “Quality organic manure production technologies” and Dr. Benjamin Mathew, SMS, KVK handled a session on “Vegetable production technologies”. The event was chaired by Smt. Annamma Jose, Managing Director of Tulunadu FPC. Shri P Vijayan, Director, Tulundau FPC welcomed the gathering and Shri. M Narayanan delivered the vote of thanks.

**(Dr. T S Manojkumar, Head,
Dr. Benjamin Mathew, Scientist and
K Manikandan, Programme Assistant)**





KVK, Kodagu

Plant health management in Black Pepper

Black Pepper is an important intercrop of Kodagu District and the crop is suffering from various diseases like Foot rot, Spike shedding and yellowing due to nematodes in many plantations causing huge loss for the farmers. Keeping this in view ICAR-KVK, Kodagu implemented a technology assessment to evaluate the performance of various plant growth promoting microbes for management of Spike shedding, yellowing and foot rot disease in black pepper at Chettalli village of Somwarpet Taluk. Mr. Veerendra Kumar K.V, SMS (Plant Protection) explained in detailed about plant growth promoting microbes in 5 farmers field. .



Capacity development programme on IPM in Black Pepper

One day capacity development programme on Integrated Pest Management in Black Pepper was conducted at Gowdalli village of Somwarpet Taluk. Mr. Veerendra Kumar. K.V, SMS (Plant Protection) explained in detailed about Integrated Pest Management like identification of diseases symptoms and Pest Infestation and their management practices through Integrated manner and highlighted the importance of soil testing and role of organic carbon and beneficial micro-organisms in maintaining soil health and its crop production to the gathered farmers. A total of 52 farmers, youths and farmwomen attended the programme.

(Mr. Veerendra Kumar K.V, Scientist)



KVK, Kolar

Training on improved cultivation practices in Tomato and Capsicum

KVK, Kolar organized the off campus training programme in collaboration with Mangalore Chemicals and Fertilizers (MCF) Limited, Kolar on the improved cultivation practices in Tomato and Capsicum at Holur village and Hobli, Kolar Taluk on 18.08.2023. Dr. Sadanand K. Mushrif, Scientist (Plant Protection) delivered lecture on integrated disease management in Tomato and Capsicum. Nearly 50 farmers benefited by this programme.



Parthenium Awareness Week

KVK Kolar conducted Parthenium awareness week at Muthanuru and Marandahalli villages of Bangarpet taluk on 19.08.2023. KVK, Kolar Scientists, Dr. Sadanand K. Mushrif, Scientist (Plant Protection), Dr. Anil Kumar, Scientist (SS&AC) & Dr. Shashidhar K.R, Scientist (Sericulture) created awareness on management practices of Parthenium through integrated approach also explained the ill effects of the weed on the eco system and suggested the integrated management practices to eradicate the weed.

(Dr. Sadanand K. Mushrif, Scientist,
Dr. Anil Kumar, Scientist and Dr. Shashidhar K.R,
Scientist)





Training on Rose cultivation in open field conditions

KVK, Kolar Scientist conducted off campus training programme on Rose cultivation in open field conditions in association with the Coromandel International Limited, Chikkaballapura 21.08.2023 at Dibbur village, Chikkaballapura taluk. and Dist. and delivered a lecture on the diseases and pests of rose crop and their integrated management. About 35 farmers participated and benefited from this programme.



Capacity development on IPM in mulberry and silkworm

KVK, Kolar organized capacity development programme in association with the Dept of Sericulture, Hosakote at Lingapura village, Hosakote Taluk on 23.08.2023. Dr. Shashidhar, K.R, Scientist (Sericulture) delivered a lecture on Integrated Pest Management practices in mulberry and silkworm. Shri. Satish, Assistant Director of Sericulture, DOS, Hoskote presided over the function. Around 50 farmers participated and got benefited from the programme.



Incubation Cum Processing Center for Pulses

Pulses are an important source of plant proteins and essential micro nutrients. Inclusion of pulses in the cropping systems can enhance the soil quality and are an additional source of income. They are short duration crops which can be harvested in 3-4 months and are climate resilient which can very well suited to current agriculture scenario. The daily requirement of pulses in our diet as per the recommendations of ICMR is 50-60 gm/person/day.

Mainly, pulses are grown in the rice fallows in Kollam district. Rice-rice-pulses cropping system plays a greater role in sustaining the soil health which will be reflected in the growth and yield of the next crop in rotation. Considering the nutritional benefits of pulses as part of sustainable production systems, and for the creation of awareness about pulses, International Year of Pulses (IYoP) was celebrated during 2016 by The UN General Assembly. The Kendra has initiated the activities for the popularization of pulses in the district through CFLDs in Pulses funded by ICAR and by the Department of Agriculture, Kerala, funded project "Protein parks' in the rice growing tracts of Kollam district of Kerala for food and nutritional security with special emphasis on soil health'.





Mini dal mill for post-harvest processing in pulses

For efficient processing and post-harvest handling of pulses especially black gram, a Mini dal mill (developed by Department of Farm Power & Machinery, PDKV, Akola, Maharashtra) has been installed at centre, for an amount of Rs 99500/- which is a compact mini mill with components like blower cum aspirator, oil/water mixer, de-husking unit, cleaning and grading unit, different sieves for all types of pulses (black gram, green gram, Bengal gram, red gram). It can save the transportation and handling losses to the extent of 3.7 per cent with 72-75 per cent dal recovery for red gram, 80-82 per cent dal recovery for green gram and black gram. The power requirement is 3 hp (3 phase) and capacity is 125 to 200 kg per hour (Its processing capacity is 10 qt. for red gram and 12 qt for green gram and black gram per day). This unit has been serving as an incubation centre for the farmers of the district and has processed approximately 1500 kg of black gram during 2022-23 which helped them to fetch better price for their products in market.

(Dr. Bini Sam, Head)



Seed production programme to FPO member and Farmers of Koppal District

ICAR-KVK Gangavathi (Koppal) in coordination with NSC Bellary conducted capacity building programme on seed production activities to FPO members and Farmers of different blocks of Koppal district. The programme was inaugurated by different scientists and farmers. Mr. Vinodakumar, NSC, Area Manger of Bellary District, he has explained about importance of national seed corporation and benefits of quality seed production techniques to FPO members. Dr. Kavita Ullikashi, Scientist (Home Science) she has explained about value addition of millets and mushroom cultivation. Dr. Jyothi R Scientist (Horticulture) explained about importance of horticulture production techniques. Dr. Radha J Scientist (Seed Science), she has explained improved production techniques in pigeonpea cultivation and post-harvest measures. Dr, Fakeerappa Arabhanvi SMS (Agromet) explained about importance of fodder production techniques. The other different scientists present in this programme. In this programme more than 100 farmers and FPO members were participated.

(Dr. Kavita Ullikashi, Scientist, Dr. Jyothi R Scientist, Dr. Radha J, Scientist and Dr, Fakeerappa Arabhanvi, Scientist)





KVK, Kottayam

Karshakadinam

Karshakadinam celebrated in Kerala on 17th August 2023. As a part of it, a programme was organized by Kumarakom Grama Panchayath Krishi Bhavan under the Department of Agriculture and honoured a progressive farmer who has been practicing integrated farming for 30 years. The programme was presided over by Kumarakom Grama Panchayat Secretary and inaugurated by Dr. Jayalekshmi G (Programme Coordinator) Krishi Vigyan Kendra, Kottayam. The Agriculture Officer welcomed the gathering and thanked the Assistant Agricultural Officer for those who participated in the programme. As part of the programme a seminar was conducted on topic "Cultivation, value addition and health benefits of millets" by Dr. Asha V Pillai (SMS, Agronomy, KVK, Kumarakom). Farmers, students from vocational higher secondary school and Sree Narayana College, Kumarakom and department officials also participated in the programme.

**(Dr. Asha V Pillai, Scientist and
Dr. Jayalekshmi G, Head)**



Diagnostic team visit for the management of black bug in rice

A diagnostic field visit was conducted by scientists Dr. Asha V Pillai (SMS, Agronomy) and Dr. Bindhu P. S (SMS, SS&AC) from KVK Kottayam in the Nattakom Thekekottakari padasekharam, where the attack of aphids and black bug was severe in rice plants more than 60 days old. Officials from the District Agricultural Office, Kottayam under the Department of Agriculture also participated in the field visit and suggested the following remedial measures to manage the attack of the pest. Keep water in the field for 24 hours to destroy the eggs and nymphs of black bug. After that, drain the water and spray Acephate 75 % SP insecticide at the rate of 320 grams per acre at the base of the plant. Also, rice plants are getting burnt due to acidity in paddy fields. Symptoms are similar to those of thrips attack. Liming materials @100 kg/acre can be used in paddy fields to control acidity. Also the application of calcium silicate at the rate of 100 kg per acre has been found to be effective in controlling acidity.

**(Dr. Asha V Pillai, Scientist and
Dr. Bindhu P. S, Scientist)**





KVK, Khozhikode

Training on plant propagation and advances in Agriculture

One day hands on training on “Basics of Plant Propagation” was organized for students from Kunduthode AUP school at KVK, Calicut on 2.8.2023. Along with theoretical aspects, practical exercises was also imparted to the students on the aspects such as preparation of potting mixture, seed propagation, rooting of cuttings, grafting, budding, layering etc by Dr P.S. Manoj, SMS (Horticulture). As part of the training session, students were also visited to polyhouse nursery, sales unit and various demo units of KVK. A total of 54 students and four teaching staff attended the programme. Another programme on 9/8/23 was conducted for students and staff of Mores College of Arts and Science, Perambra by Dr P. Ratha Krishnan, Head, KVK on recent advances and innovative practices in Agriculture. The students have also visited KVK demo units such as bush pepper unit, Aqua-ponics unit and poly house nursery.

**(Dr P. Ratha Krishnan, Head, and
Dr P.S. Manoj, Scientist)**



Training programme on mushroom production

A one day training programme on “Oyster Mushroom production” was conducted on 9.8.2023 at KVK and a total of 39 farmers attended the training. The programme was inaugurated by Dr P. Ratha Krishnan, Head, KVK and organised by Dr K.M. Prakash, SMS (Agronomy).

The trainees were educated on the methods to

use various crop residues such as paddy straw, banana residues, saw dust, arecanut and coconut residues as media for oyster mushroom production. Quality mushroom spawn produced at KVK was also issued to the trainees.

(Dr K.M. Prakash, Scientist)



Inter institutional exposure visit cum skill training - Nutmeg cultivation & propagation

Three days inter Institutional exposure visit and skill training on nutmeg cultivation and propagation was conducted by Dr P. Ratha Krishnan, Head, KVK, Kozhikode for the staff and farmers through Dr Y.S.R. Horticultural University, Andhra Pradesh. The programme was inaugurated by Dr D. Prasath, Director i/c and AICRP Coordinator (Spices), IISR, Kozhikode and presided by Dr E. Karuna sree, DE, Dr YSR Horticultural University, AP. This inter institutional programme is organised by IISR and two ATARIs (Bangalore & Hyderabad). They also visited the mother block of IISR Keralasree at Karikandampara, Monoecious nutmeg and Nova nutmeg fields at Kaurachundu and CWRDM institution at Kozhikode.

(Dr P. Ratha Krishnan, Head)





Kerala farmer's day celebration

KVK, IISR, Kozhikode celebrated Karsagar Dhinam on 17th August with training on Oyster mushroom cultivation to Perambra AUP School students by Dr P. Ratha krishnan, Head and lectures to farmers at Chengaruth Panchayat by Dr. P.S. Manoj, SMS on "Rainy season Vegetable cultivation", at Kottur Panchayat by Dr K.M. Prakash, SMS on "Coconut cultivation" ; at Arikulam Panchayat by Ms A. Deepthi, SMS on "Banana value addition" and at Chelanur Panchayat by Dr K.K. Aiswarya, SMS on "Pest, Disease management in crops"



Onam celebration and harvesting of marigold flowers

Kerala festival (Onam) was celebrated by staff of KVK and Experimental farm, IISR, Peruvannamuzhi combindly on 25th August, 2023. Events like Pookkalam, fun games and Onam sathya. During afternoon, harvesting of marigold flowers at KVK OFT plots has been inaugurated by Mr K. Sajith, President, Maruthonkara Grama Panchayat presided by Mr P. Rajilesh, ward member. Member of Uravu and Pratheksha farmers group, staff of KVK Dr P. Ratha Krishnan, Dr P.S. Manoj, Dr. K.M. Prakash, Smt Anjana, K.P were also participated the celebration.

(Dr. P.S. Manoj, Scientist,

Dr K.M. Prakash, Scientist and Dr K.K. Aiswarya, Scientist)



KVK, Malappuram

Tricho-card Production Initiated at KVK Malappuram for Effective Biological Pest Management in Rice

In a pioneering move aimed at revolutionizing agricultural practices, the Krishi Vigyan Kendra (KVK), Malappuram has successfully initiated the production of Trichocards, marking a significant step towards enhanced biological pest management in rice cultivation. This groundbreaking initiative, the first of its kind in the district, was unveiled as a part of the Farmers' Day celebration held on Chingam 1. The inauguration ceremony, held amidst much enthusiasm, was attended by local farmers, agricultural experts, and dignitaries. Er. Priya G Nair, Programme coordinator of KVK Malappuram, inaugurated the Trichocard production unit and emphasized the significance of this breakthrough for Malappuram's agricultural landscape. The initiation of Trichocard production at KVK Malappuram not only promotes ecological balance but also enhances the quality and yield of rice crops," stated Dr. Er. Priya G Nair during her inaugural address. The event also witnessed engaging presentations by entomologist Dr. Najitha Ummar who shed light on the science behind Trichocard production and its potential benefits. With the successful launch of Trichocard production, Malappuram's farmers stand on the cusp of a greener, more productive future for their fields and the environment.

(Er. Priya G Nair, Programme coordinator and Dr. Najitha Ummar, Scientist)





Farmers' Day

Krishi Vigyan Kendra (KVK) Tavanur celebrated Farmers' Day with great enthusiasm and zeal on 17-08-2023. The event aimed to honour and acknowledge the significant contributions of farmers to the agricultural sector and provide them with valuable information and insights to enhance their farming practices. The Farmers' Day celebration commenced with an inaugural ceremony. The ceremony began with the lighting of the lamp by Sri. K.T. Jaleel MLA and officials from the agricultural department. This was followed by an inspiring speech by the chief guest, emphasizing the pivotal role of farmers in the nation's food security and development. Renowned programme co-ordinator Er. Priya G. Nair were invited to deliver informative lectures on various topics of interest to the farming community. Dr. Jasna V. K., Assistant Professor in Agricultural Extension, delivered a session in Pommundam and Perumanna clari panchayats; Sri. Akhil Raj B. C., Subject Matter Specialist in Horticulture, conducted a class in Kalikavu panchayath; Smt. Sruthi K.T., Subject Matter Specialist in Agronomy, led a session in Puzhakkattiri panchayath; and Sandhya, KVK Farm Officer, delivered a class in Kadalundi panchayath. KVK Malappuram's initiative in organizing this event reflects its commitment to the agricultural community and its dedication to the growth of the sector.

**(Sri. Akhil Raj B. C., Scientist and
Smt. Sruthi K.T., Scientist)**



KVK, Mandya

Field day on "Intercropping of French bean in Sugarcane"

ICAR-Krishi Vigyan Kendra, V.C. Farm, Mandya conducted field day on "Intercropping of Frenchbean in Sugarcane" at Gowdadere village, Malavalli taluk, Mandya District on 22.08.2023. During the programme Dr. Atheefa Munawery, Scientist (Soil Science) briefed about importance of inclusion of leguminous intercrops in sugarcane, its benefit to soil and fertility and also explained trash management in sugarcane by using microbial consortia and its benefit to the farmers.

Later, Dr. Rekha Badalingappanavar, Scientist (Agronomy) explained about importance of inter cropping especially slow initial growing crops like sugarcane. The spatial and temporal utilization of resource effectively and its economic benefit to the farmers.

Lastly the farmer Mr. Lokesh expressed his happiness by sharing his experience and benefits of growing of inter crops in sugarcane. Total 47 farmers and farm women participated in the programme.

**(Dr. Atheefa Munawery, Scientist and
Dr. Rekha Badalingappanavar, Scientist)**





KVK, Mysuru

“BEST KVK AWARD” to ICAR JSS KVK Mysuru

The ICAR - National Research Centre for Banana in Tiruchirappalli, Tamil Nadu, is delighted and honored the "BEST KVK" award to ICAR JSS KRISHI VIGYAN KENDRA, Suttur, Mysuru during 30th Foundation Day and Kisan Mela celebrations on 21st August 2023 at ICAR-NRCB, Tiruchirappalli.



Millet Mela (Siridhanya Mela) at Mysuru

A two day millet mela 26th-27th August 2023 began here on Saturday with experts calling for greater consumer demand to stimulate millet cultivation and production. The millet mela at Nanjaraja Bahadur Choultry is showcasing varieties of millet from different states, besides highlighting their health benefits in a bid to ensure greater mass acceptance of millet in the mainstream market. The mela was organized by Sahaja Samrudha, the event is partnered by Using Diversity GIZ organization, ICAR JSS Krishi Vigyan Kendra Suttur and Devadhaan Farmers Production Company Kundagol among others. His Holiness Shri Shivarathri Deshikendra Swamiji released posters highlighting the millet diversity of Karnataka. Nearly 26 stalls exhibited & sold millet grains, millet healthy drink powder, millet based products in millet mela.



Press meet organized at ICAR JSS KVK

A press meet was organized at ICAR JSS KVK Suttur Mysuru to inform the media about the Best KVK Award received from ICAR - National Research Centre for Banana in Tiruchirappalli, Tamil Nadu. The press conference addressed by the Dr. C.G. Betsurmath, Executive Secretary, JSS Mahavidyapeetha, Mysuru. The Sri. N.M. Shivashankarappa, Director of Horticulture, Sri. L. Revanasiddappa, Director (Development) of JSS Mahavidyapeetha, Sri. G.L. Tripuranthaka Coordinator, JSS Institutions, Suttur and Smt. H.V. Divya, Senior Scientist and Head (I/c) presided over the press meet. During the meeting KVK activities presented by the Smt. H.V. Divya, Senior Scientist and Head (I/c). All the media persons visited the demo units of KVK and appreciated the service provided to the farming community.

(Dr. H.V. Divya, Head)





KVK, Palakkad

Millet Awareness programme for NSS volunteers

KVK Palakkad conducted an awareness programme for 50 NSS volunteers from Edappalam Govt. Higher secondary school. Fifty students and two teachers visited KVK Palakkad. The students were given a session on importance of millets, it's nutritional benefits and cultivation practices. Classes were handled by Dr. Sumiya K.V. and Smt. Sreelakshmi of KVK Palakkad. This was followed by preparation of a demonstration plot on millets. Students got an opportunity to get acquainted with various millets and were given a hands-on training on cultivation of millets. They prepared the field and did line sowing of various millets. The students also visited various facilities at KVK such as Automatic Weather station, ecopark, Miyawaki forest, Vet park etc.



Farmers' day Celebration at KVK Palakkad

KVK Palakkad celebrated farmers day on the auspicious occasion of Chingam 1 which marks the beginning of New year in Malayalam calendar. The day falls on August 17th in English Calander. A successful entrepreneur doing mushroom farming was felicitated on the day. Dr.P. Raji, Associate Director of Research, Regional Agricultural Research Station, Pattambi inaugurated the programme and felicitated the farmer. The main factor that contributed to his success is his marketing technique. He shared his experience with 40 aspiring mushroom growers. A capacity building programme on mushroom cultivation was also organized on the day. The trainees were given hands-on training and also visited the mushroom unit at KVK Palakkad.

(Dr. Sumiya K.V, Scientist and Smt. Sreelakshmi, Scientist)





KVK, Pathanamthitta

Empowerment of SC community Coconut oil extraction unit

As part of the SC sub plan 2022-23, a coconut oil extraction unit is set up at ICAR-KVK, Pathanamthitta. KVK extend the facility of extracting oil free of cost to the SC community. The unit has a capacity of loading 10 kg copra at a time. The unit can be simultaneously used to extract oil from nuts and oil seeds. The unit at KVK farm was inaugurated by Dr. Srinivasa Rao, ICAR-NAARM, Hyderabad on 16th August 2023 in the presence of Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru, Dr. M. Balakrishnan, Principal Scientist, ICAR-NAARM, Hyderabad, Rev. Moncy Varughese, Director, CARD and Dr. C P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta.



Interaction meet with trainees of skill development training on mushroom cultivation.

ICAR -Krishi Vigyan Kendra, Pathanamthitta organized 5 day 'Skill Development Training in Mushroom cultivation' exclusively for SC community as part of the SCSP programme from 11th to 15th July 2023. The training was funded by ICAR-National Academy of Agricultural Research Management (NAARM). An interaction meet was organised on 16th August 2023 at KVK, where in Dr. Srinivasa Rao, ICAR-NAARM, along with Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru, Dr. M. Balakrishnan, Principal Scientist, ICAR-NAARM, Hyderabad had face to face interaction with the ex-trainees to evaluate the

effectiveness of the training and the problems faced by farmers in initiating the mushroom enterprise.



Launching of scheduled caste sub-plan

Scheduled Caste Sub Plan project for the year 2023-24 was launched on 16th August 2023 at Athrappattu Colony of Chennerkkara Panchayat in the Elanthoor block of Pathanamthitta district. The Scheduled Caste Sub Plan 2023-24 aims to improve the livelihood of Scheduled Caste farmers as well as Scheduled Caste families through improved technology interventions in crops, livestock, poultry and fisheries. The programme was inaugurated by Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru and was presided over by Sri. George Thomas, President, Chennerkkara grama Panchayat, The Keynote address was delivered by Dr. C P Robert, Senior Scientist and Head, ICAR-KVK, Pathanamthitta. On the occasion Smt. Joycee K Koshy, Project Director, ATMA, Pathanamthitta district honoured the senior most farmer of Athrappattu Colony Sri. Kunjupilla for his praiseworthy contribution towards agriculture.





Inter-KVK cross learning exposure visit

An Inter-KVK cross learning exposure visits was organised by ICAR-ATARI, Bengaluru from 16th to 18th August 2023 to Kerala state covering ICAR-KVK, Pathanamthitta, ICAR-KVK, Alappuzha and ICAR-KVK, Kollam to have an exchange of experiences and to have an excellent mutual learning opportunity for both the host KVKs and the visiting KVKs. The exposure visit commenced from ICAR-KVK, Pathanamthitta. The programme was inaugurated by Dr. Srinivasa Rao, ICAR-NAARM, Hyderabad in the presence of Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru. Heads of 12 ICAR-KVK's from Karnataka state (Belagavi-1, Mysore, Gadag, Sirsi, Belagavi-11, Udupi, Kolar, Bengaluru Rural, Kalaburagi-1, Dakshina Kannada, Davangare and Chikkamagaluru) and Kerala state (Thiruvananthapuram) participated in the programme.

**(Dr. C.P Robert, Head,
Dr. Sindhu Sadanandan, Scientist,
Dr. Shana Harshan, Scientist and
Mr. Alex John, Scientist)**



Millet Mela and Millet Festival

ICAR-KVK Ramanagara celebrated International Year of Millets 2023 by organizing Millet mela and Millet festival. On this special occasion one day workshop on the theme “Sustainable Millet production under climate change scenario” was organised. Dr. Lata R Kulkarni, Senior scientist and Head in her welcome note highlighted about Millet mela and welcomed gathering. The program was inaugurated by dignitaries by lightening the lamp and pouring nutri Millets. Honorable Director of Extension, UAS, GKVK, Bangalore Dr. V.L. Madhuprasad in his presidential remark highlighted that in cities people are more obsessed with junk foods, so it is the right time for highlighting them the importance of millets in daily diet. Universities are organizing many programmes and release new varieties and also to create awareness about marketing.

Dr. Nagaraja, Professor & Head, AICRP small millets, UAS(B) highlighted the significance of celebrating international millet year- 2023. He said that good health is the prime importance now a days, healthy food build healthy person which leads healthy nation indeed. Mr. Mahesh, Agriculture Officer, Dept. of Agriculture, Magadi said that Millet mela and workshop is opt for the current situation as there is deficit in Rainfall in Ramanagara district. So Millets are the suitable crops farmers can cultivate it now. Mr.





Manjunath IRIDS, said people are well aware about chapathi and rice, but not aware about Millet. In technical session Dr. Sukanya Professor, AICRP highlighted about “Sustainable millet production technologies under climate change scenario”. Dr. Palanna Associate Professor, AICRP (small millets) discussed about “Plant protection measures” in millets. Mr. Abhishek, District resource person highlighted about “Scope for value addition in millets and Govt. schemes for entrepreneurship”. Mr. Sujay, Director, Kanakapura organic FPO, highlighted about “Role of FPO's in promotion and marketing of Millets”. On this special occasion “ Progressive Millet growing farmers” were identified from each taluk and were honored. Exhibition was organized highlighting millets theme. Dr. Sowjanya S anchored this special programme. In this programme KVK Scientist Dr. Rajendra Prasad, B.S., Dr. Dinesha M.S., Dr. Deepa Pujar and other staff participated. More than 150 farmers, FPO members, DAESI students participated in this special occasion and were benefited.

(Dr. Lata R Kulkarni, Head,

Dr. Sowjanya S, Scientist, Dr. Rajendra Prasad B.S, Scientist, Dr. Dinesha M.S., Scientist and Dr. Deepa Pujar, Scientist)



Training programme on integrated crop management in black pepper

ICAR- Krishi Vigyan Kendra, Shivamogga conducted one day oncampus training programme on production technologies in black pepper on 14.8.2023. The programme was inaugurated by Dr. K. T. Gurumurthy, Director of Extension, KSNUAHS, Shivamogga. He addressed the farmers for adopting black pepper as intercrop in arecanut. He briefed about the production and additional income in plantation crops by adopting multistoried crops like black pepper, cocoa, cardamom and nutmeg in arecanut. Dr. R. Girish, Scientist (Plant protection) explained about the cultivation practices, nutrient management, integrated pest and disease management in black pepper.

The programme was presided by Senior Scientist & Head, KVK, Shivamogga and Mr. Badresh, CEO, Chaitanya Rural Development Society, Shivamogga. A total of 60 farmers were benefitted by knowledge on pepper cultivation and management technologies.

(Dr. A. Y. Hugar, Head and Dr. R. Girish, Scientist)





Emvoc (Empowerment through Vocationalisation)

NIPMR (National Institute of Physical Medicine and Rehabilitation), located at Kallettumkara, Irinjalakkuda, Thrissur, an autonomous institute under the social justice department of the Government of Kerala, committed to supporting and empowering differentially abled children. As a part of their curriculum, a training programme, EmVoc (Empowerment through Vocationalisation), for physically or mentally challenged children above the age of eighteen was organized at KVK Thrissur. Five students, aged between 18 to 26, their parents and two teachers from the institution participated in this one-day training programme, which mainly focused on different vegetative propagation methods like budding, grafting, layering etc. The practical session provided excellent exposure to students and they immensely enjoyed to display their skills by practicing the various techniques.



Harvesting Harmony: Embracing Onam at KVK Thrissur

Krishi Vigyan Kendra - Thrissur has commenced an extraordinary journey of commemorating the auspicious occasion of Onam with immense enthusiasm, marked by a series of captivating



programs. The grand festivities commenced with an inauguration of juice and soup counter of KVK trained rural women group which was supported under SCSP programme. This group was formed under Ollur Krishi Samrudhi Farmer Producer Company and is trained and technically supported by KVK Thrissur. Director, ATARI Dr. Venkatasubrahmaniam inaugurated the juice and soup counter at Nadathara, Thrissur.

KVK participated in "Onachantha" organised by Directorate of Extension of Kerala Agricultural University. Millet products, coconut oil, farm fresh spices, and fruit and vegetable products prepared at KVK's Common Facility Centre were exhibited and sold during the fest. The fare was inaugurated by Dr. A. Sakeer Husain, Registrar, Kerala Agricultural University. Dr. Jacob John, Director of Extension and Heads of various stations of University were also present. One of the highlights of the celebration was the vibrant floral carpet (pookalam) prepared by farm women of KVK which highlighted the significance of nature in Kerala's agrarian culture. The KVK staff and farmers showcased their talents through various cultural performances and traditional games. Vadamvali (Tug of War) is a popular entertainment sport seen during Onam celebrations in Kerala where team strength is combined with wit and vigour. Dr. Venkatasubrahmaniam, Director, ATARI inaugurated Onam celebrations of KVK Thrissur by flagging off vadamvali.

These performances not only entertained but also emphasized the importance of preserving and cherishing Kerala's rich cultural heritage. The celebration was a testament to KVK Thrissur's commitment to fostering a sense of community and cultural enrichment among the staff.

(Dr. Mary Regina, Head)





KVK, Thiruvananthapuram

Demonstration of Drone Spraying in Pineapple

As a part of Front Line Demonstration (FLD) for the year 2023-2024, KVK demonstrated use of drone for foliar application of nutrients on a 6ha pineapple farm, at Anad, on 11th August 2023. The programme was inaugurated by Smt. Shylaja, President of Anad Panchayat by flying a drone and spraying nano urea and SOP over the crop. Panchayat Representatives and Agricultural Officer participated in the programme.

The farmer Shri. Prabha Rajappan has been cultivating pineapple at Anad for the past 6 years. In conventional practice, nutrients are sprayed in the leaf axles at 10 days interval. This is a tedious, time consuming and perilous process as the leaves of pineapple are sharp and contain thorns in the edges. The labourers are forced to wear protection to walk around them. The field capacity is also very low. Therefore, aerial spraying enhances the extent of the usage helping in reducing the cost of cultivation.

Dr. Binu John Sam, SS&H, KVK remarked that nano urea and SOP enhances crop growth. Hexacopter drone, used with 10 Ltr payloads, covered 1 acre field within 6 minutes indicating high field capacity at minimal cost, according to Er Chithra G. Malayala Manorama and Mathrubhumi daily news papers published the details.

(Dr. Binu John Sam, Head)



KVK, Tumkur-I

Demonstration of composite fish culture

ICAR Krishi Vigyan Kendra, Tumkur-I initiated Frontline demonstration on Composite fish culture at Thadasuru and Hossuru village from Tiptur taluk of Tumkur district. Dr. Shivappa Nayaka, Scientist (Animal husbandry), KVK Tumkur-I explained the importance of adopting composite culture under fish rearing. Mr. Darshan, Scientist (Agril. Extension) explained the role of fish rearing in doubling the farmers income. During this time three different types of fish species (Amul carp, Rohu & Catle) are cultured together in a single pond.

(Mr. Darshan, Scientist)



Training on agro ecological practices for Krishi Sakhi

ICAR KVK Tumkur-I inaugurated 6 days Training programme for first batch on agro ecological practices for community resource person (Krishi Sakhi) of farm livelihood in associated with SANJEEVINI- Karnataka. The programme was inaugurated by Mr. Siddarameshwara, Circle inspector, Tiptur and mentioned Krishi Sakhi is envisaged to create awareness and capacity building of Mahila Kisan on agricultural activities and facilitates aggregation and marketing of the agricultural produced. Dr.V.Govinda Gowda, Senior Scientist and Head, KVK konehalli, and KVK scientists were presented in this programme. There are 36 krishi Sakhi's were registered for first batch

(Dr.V.Govinda Gowda, Head)





Millet recipe contest

ICAR Krishi Vigyan Kendra, Tumkur-I, organized millets recipe contest at Ippadi village of Kunigal taluk on 18.08.2023 in association with Agriculture department, Horticulture department and SBI branch of Kunigal taluk on the occasion of celebration of International Year of Millets. Dr. Dr. V. Govinda Gowda, Senior Scientist and Head KVK Tumkur-I create the awareness on production and consumption of millets. Dr. Nithyashree, K. Scientist (Home science) heigh lighted the importance of millets value added products and its health benefits. During this programme more than 30 farm women were participated and exhibited different millet products. Top five women's were selected among participants and distributed certificates. KVK scientists were presented in this programme.

(Dr. Nithyashree, K. Scientist)



Tree Plantation My Soil My Country

On 19th August 2023, A Tree Plantation Programme (My Soil My Country) was organized at Edigara Dasarahalli, an adopted village of KVK in Sira taluk, Tumakuru, by the KVK, Hirehalli in collaboration with NABARD, Rotary club and Mother NGO. About 100 plants of different fruit crops (Mango, Jack, Lemon, Jamun etc) were distributed to the farmers and farm women during the occasion. Smt. Keerthi Prabha, DDM, NABARD, Mr Rama Krishnan, President, Rotary club, Mr Veera Bhaskar, President, Mother NGO and Dr Loganandhan, Head, KVK, delivered lectures on various topics emphasizing the importance of soil, trees and Role of KVK in promoting green cover in the villages. Later in the day, all the participants, about 20 in number, took part in planting the seedlings provided.



Digitalization in Agril.Extension System in India.

To understand the digitalization in Agril. Extension system in India. Ministry of Agriculture have signed a MoU with Digital Green Trust, a team led by Dr. Sajith Kumar Kunhalath, Director (FI), DA & FW, Minister of Agriculture and Farmers Welfare, Government of India, New Delhi. Dr. Manjunath Deputy Director Agriculture, Dept. of Agriculture, Bengaluru



and Team Digital Green Trust visited KVK on 25th August 2023, in presence of Dr. Loganandhan, N., Principal Scientist and Head. To discuss on Digitalization in Agriculture Extension with ICAR-KVK Hirehalli, Tumakuru team, ATMA Tumakuru and along with progressive farmers. Team visited to understand the present mechanism of working by para extension worker. The present system of extension activities and capacity building of Field Level Extension Workers, and how KVK may helpful in training video production team. A fruitful discussion was held at KVK, Hirehalli, Tumakuru and Dr. Sajith Kumar Kunhalath, Director made sure that Tumakuru district will be selected for their project in coming day.

**(Dr Loganandhan, Head and
K. N. Jagadish, Scientist)**



KVK, Udupi

Sasyamela and Food Festival

School and College students were called upon to devote at least two hours a day to agricultural activities and youth and employees to directly or indirectly involve in agriculture activities. Hon'ble Member of Legislative Assembly, Udupi, Shri. Yashpal Suvarna opined that this will improve the overall health and the economic condition of the country. He spoke after inaugurating a two-day grand plant fair (Sasyamela) and food festival under the auspices of Rotary Royal Brahmavara, ICAR-Krishi Vigyana Kendra, Brahmavara, Department of Horticulture, Zilla Panchayat, Udupi, and Interact Club at Nirmala High School on 11th of August 2023.

Rotary Royal President Abhiram Naik presided over the inaugural ceremony. Principal of Nirmala High School, Ms. Rose Plorin D'Souza, Rotary Principal Mr. Devananda A., Mr. Jnanavasanth Shetty, Mr. Alvin S. Quadras, Mr. Rajarama Bhatt, Mr. B.S. Bhat, Mr. Vijayendra Shetty, Mr. Vishwanath Shetty, Deputy Director of Horticulture, Mrs. Bhuvaneshwari, Dr. Lakshmana, Associate Director of Research, Zonal Agriculture and Horticulture Research Station (KSNUAHS), Brahmavar, Dr. Dhananjaya B., Senior Scientist and Head, ICAR-KVK Brahmavar and Head Teacher of Nirmala High School, Ms. Tina Lasrado and others were present. Progressive farmers of the region, Mr. Venkataramana Samant, Ms. Janaki Hande, Mr. Soma Naik and Mr. Yogeesh Acharya were felicitated. Mr. Srikanth Samant and Mr. B.S. Ram Shetty compered the program. A variety of plants, agricultural implements, products stalls and various kinds of savories were prepared, displayed and sold in the food fair. The fair concluded on the following day.

(Dr. Dhananjaya B, Head)





Striped Murrel Culture in weed Fish Infested Ponds

ICAR-Krishi Vigyana Kendra, Brahmavara on 17.08.2023 implemented Frontline Demonstration (FLD) on “Striped Murrel Culture in Weed Fish Infested Ponds” at Yadthadi village, Saibrakatte, Udupi Dist. Critical inputs like advanced fingerlings of Murrel fish (*Channa striatus*) and starter feeds (pelleted floating feed) were distributed to fish farmers. Demonstrations were shown how to release fish fingerlings and feed the fishes. Dr. Srinivas Hulkoti, Asst. Professor of Fisheries from ZAHRS, Brahmavara distributed the inputs to the farmers.



Training on Murrel Fish Culture in Perennial Ponds

An Off-campus training program was organized on 17th of August 2023 at Yadthadi village, Saibrakatte, Udupi Dist. on “Murrel Fish Culture in Perennial Ponds Infested with Weed Fishes” Dr. Srinivas Hulkoti, Asst. Professor ZAHRS, Brahmavara was a resource person, while Rajyothsava award winner progressive fish farmer Mr. Mahesh Hebbar was chief guest to share his experiences of Murrel fish culture in perennial ponds. Dr. Sadananda Acharya (Scientist, Fisheries), the training co ordinator gave introductory talk and welcomed the gathering. A total of 30 farmers participated in the event. Fish farmer Mr. Firoz, Saibrakatte, thanked the chief guests and gathering.

**(Dr. Dhananjaya B, Head
Dr. Sadanand Acharya, Scientist)**



Training on dairy animal disease management to SC farmers

The training was organized on 27.07.2023 at ICAR, Krishi Vigyan Kendra, Uttara Kannada to schedule caste farmers. Farmers were thought about the infectious, productive, managerial disease and their control measures. Demonstrated CMT screening for sub clinical mastitis, application of post milking lactisan teat dip and feeding of trisodium citrate based formulations to prevent the incidence of mastitis. Farmers were provided with lactisan teat dip, cup and trisomast kit for controlling the mastitis incidence. About 32 farmers and farm women were benefitted from the training programme.

(Dr. Ranganath G, Scientist)





KVK, Vijayapura-I

Young farmer award

As part of Krishimela, UAS Dharwad, The Senior Scientists and Heads of KVK Vijayapur I and II were involved in Selection of Best young farmer award with site inspection and visit to farmer's field. The heads of both the KVK and Scientists visited Atahallatti Village of Vijayapur district to study the various components of IFS model of the applied farmers. The team of scientists observed the various components like farm pond, Vermiunit, Agro forestry, Sericulture, Goatery, Livestock etc and appreciated the farmer's effort in establishing these components. Scientists also suggested for improving the sericulture unit and proper and effective utilization of farm pond water for protective irrigation of the crops.

(Dr.S.M.Vastrad , Head)



Parthenium awareness

To apprise the farmers about the harmful effects of the Parthenium and its management, ICAR-KVK-Vijayapura-I organized the "Parthenium Awareness Week" from 16th to 22nd August, 2023. Dr. Shilpa V. Chogatapur, SMS (Agronomy) highlighted integrated weed management mode *i.e* through mechanical, cultural and biocontrol methods to participants. Dr. S. M. Vastrad, Senior Scientist and Head highlighted the harmful effects of Parthenium like skin allergy (dermatitis), high fever and asthma in human beings.



ICM in Pigeon pea

Dr. DVS Reddy, The principal Scientist, ICAR-ATARI Bengaluru has visited KVK Vijayapur 1. He had interacted with all Scientists of KVK and visited different Demonstration units and appreciated the efforts of scientists. He also suggested some key points for improvement of demo units. After the meeting, He visited the FLD field of Yernal village of Vijayapur district along with scientists. In the field, he had addressed the gathered farmers and highlighted the importance of GRG 152 variety of pigeonpea and gave a call for usage of more of Biopesticides for sustainable insect pest management in pigeonpea. During the programme, Dr. ShilpaChogatapur SMS (Agronomy) briefed the special features of GRG 152 variety of pigeonpea. Dr. S. M. Vastrad and DrPrakash H.T were also addressed the farmers on plant protection aspects.

(Dr.S.M.Vastrad , Head)





Integrated Crop Management in Lime

An on campus training programme on Integrated Crop Management in Lime conducted on 22.08.2023 at ICAR - Krishi Vigyan Kendra, Indi. Dr. Savita B. Scientist (Soil Science) organized this programme and delivered lecture on the Bahar Management and use of Citrus special in Lime and explained about providing adequate irrigation during the month of may and light pruning during the month of June. In the month of September foliar application of Lihocin @ 2ml/lit at 15 days interval. Foliar application of citrus special @ 5g/lit. 4 Spray one at before flowering and remaining 3 spray at monthly interval. By following this technology the farmers will get higher yield and good market price by producing quality (Increase fruit size, fruit weight and color and shining). Dr. Prakasha G. Scientist (Agronomy) explained about the pest and disease symptoms and their management. In this programme around 35 farmers of Ahirasang, Mulasavalagi, Gotyal and Madari village participated and benefitted by this programme.

**(Dr. Savita B. Scientist, and
Dr. Shivashenkaramurthy M. Head)**



Integrated Crop Management in Pomegranate and Onion.

An on campus training programme on Integrated Crop Management in Pomegranate and Onion. conducted on 30.08.2023 at ICAR - Krishi Vigyan Kendra, Indi in collaboration with Coramandal International Limited, Vijayapura. Dr. Savita B. Scientist (Soil Science) organized this programme and explained about importance of application of sulphur in onion as Application of NPKS : 100:50:50:30 kg/ha (Bentonite Sulphur@14kg/acre) and Azospirillum and PSB @ 5 kg each/ha at the time of transplanting. By Application of S @30 kg/ha reduces the bulb rotting, increased yield up to 19.48 % and Shelf life of Onion bulbs enhances 12 to 14 days. For Pomegranate crop explained to farmers how to use sonaar product. Application of "SONAAR" bio-mixture : Mixing of 3 kg Sonaar with 148 kg well decomposed FYM (maintain 60% moisture). After 10 days of inoculum apply 500 g of mixture to each plant and provide sufficient irrigation. Application should be two times in crop season, one during release of stress and another at 120 days after first application. Application of Sonaar mixture as nutrient for pomegranate has helped in reduction of flower drop and increase in fruit size and weight in pomegranate. Dr. Shivashenkaramurthy M. Senior Scientist and Head, explained about the pest and disease symptoms and their management in Pomegranate crop. In this programme around 40 farmers of Ahirasang, Tamba, Gotyal and Madari village participated and benefitted by this programme.

**(Dr. Savita B. Scientist,
Dr. Shivashenkaramurthy M. Head)**





KVK, Wayanad

Farmer Scientist interface

Farmer- scientist interaction was held as part of Farm Plan Based Production Programme (FPPP) of Kalpetta and Sulthan Bathery Block was held jointly by ICAR -KVK Wayanad and RARS Ambalavayal at Ammayipalam, Sulthan Bathery. Sri. Ravanni, Bathery block Assistant Director welcomed the gathering. The programme was inaugurated by Bathery block panchayath president Sri. C. Asainar. Special address was given by Dr. Safia N.E, Senior Scientist and Head, KVK Wayanad. More than 60 farmers actively participated in the interface. Scientists of KVK Wayanad and RARS Ambalavayal handled the doubts on crop production and crop protection aspects in the interface session.



Training on “Nutrient deficiency of banana and its management practices”

One day training on “ Nutrient deficiency of banana and its management practices ” was organized by KVK Wayanad in association with ICICI Bank. A group of 30 selected farmers in Bathery block were the participants in the training. The classes were dealt by Smt. Ashitha M.R , SMS, KVK Wayanad.

(Dr. Safia N.E, Head)



KVK, Raichur

Farmer Scientist interface

On eve of International year of millets, “Siri Jeevana Wellness Programme” was organized at ICAR-Krishi Vigyan Kendra, Raichur in collaboration with Mr. Anand Patil of Dhanya Siri, Raichur, for 3 days 4th to 6th August 2023 under the guidance of Dr. Sarala Khadar Bengaluru.

This 3 days programme was inaugurated by Dr. M. Hanumanthappa, Honourable Vice Chancellor, University of Agricultural Sciences, Raichur. Having inaugurated the programme, the vice chancellor said “Millets play an important role in reducing increasing health ailments, viz; Higher sugar, BP and Heart problems and it is considered as climate smart crop since these millets can be cultivated in any season, climate aberrant condition without much management.

(Dr. Safia N.E, Head)





KVK, Belagavi-I

Newly developed multipurpose improved sugarcane varieties for Northern Karnataka

Karnataka ranks third in area (4.8 lakh ha) and production (432 lakh tones), wherein northern Karnataka has major stake in the state with nearly 2/3rd contribution to state's sugarcane area and production. Maharashtra and Karnataka are the major contributors for sugar and cane production in peninsular India.

To sustain the economy of cane and sugar production, there is an urgent need to enhance the cane productivity and sugar recovery (per unit area and time) in the country particularly to farming communities for aware about varieties and technologies for higher yield and reduce sugarcane monoculture practice and to fit multiple cropping system with other suitable food crops.

Flowering terminates vegetative growth and dry matter accumulation, which limits the yield potential of genotypes. Though flowering is essential for crop improvement, it is very much undesirable for commercial cultivation as it reduces the sugar yield, cane yield, juice quality, fodder quality and crushing duration. Recently current commercial sugarcane varieties (Co 86032, Co SNK 09227, Co SNK 13374, Co SNK 13436, CoS 09293, Co 09004, MS 10001 and COVSI 16121 etc.) are the prominent varieties for

threatening sugar /jaggery industry and fodder security particularly in Belagavi, Bagalkot and Vijayapur, the major contributors of sugar production in the Karnataka State.

Hence, there is an urgent need to popularize high yielding varieties and modern technologies to farming communities for production of early high sugar and biomass accumulating varieties to sustain sugar industry and cane growers for sugar /energy and fodder security in the Northern Karnataka.

Under current complex economically discouraging scenario of both sugarcane agriculture and sugar industry, there is a great need of enhancing sugar and cane productivity per unit area and time. On the other hand there is also a need for improving industrial efficiency through liberalizing and widening economic crushing period by utilizing early high total sugared with relatively non flowering genotypes as raw material for production of sugar, ethanol and power for economic sustenance.

In the context, ICAR BIRDS Krishi Vigyan Kendra Tukkanatti Belagavi-1, is successful developed eight genotypes for KVK visitors and also sources for surrounding sugarcane growing areas farmers. Popularizing the high yielding varieties and modern technologies awareness to farming communities for enhanced productivity of sugar, cane, fiber, ethanol and fodder.

(M. N. Malawadi, Scientist)





KVK, Belagavi-I

Millets Recipe Contest

ICAR Krishi Vigyan Kendra, Tukkanatti, Belagavi-1 organized Millet Recipe Contest on 8th august 2023 at Khadaklat village of chikkodi taluk in collaboration with Gram Panchayat, Khadaklat.

The program was inaugurated by Shri. R M Patil, Chairman, ICAR- KVK, Belagavi-1 in his inaugural speech, millets plays an important role in eradicating malnutrition among women and children and encouraged participants to cultivation of different millets in their farm at small level. Mrs. Jayashree Kaujalagi, ACDPO from Women and Child Development department, Chikkodi, briefed about millet importance and its health benefits. Dr. D A Mhetre, Senior Scientist and Head, ICAR-KVK Tukkanatti, briefed about the importance of celebration of international year of millets 2023 and millet recipe competition. The program was chaired by Shri. Rakesh M Chinchani, President, Gram Panchayat Khadaklat, in his presidential remarks, exhibitions and trainings are important to create awareness among children and women to understand the importance of millets and their health benefits. Rekha B Karabhari, Scientist (Home Science) explained about entrepreneurship development through value addition in millets.

Recipe competition and exhibition was organized for SHGs, farm women, anganwadi, asha workers and



adolescent girls. A total 52 women and girls presented different traditional millets recipes in which included finger millet roti, talipeeth, laddu, dosa, kadabu, soup, payasa, burfi, dhokla, cake biscuits, jowar muttigi, nucchu, upama, chakli, foxtail millet bisi bele bhaat, laddu, holige, puri, papad, bajra kheer, pulav, dosa, paddu etc. Out of these recipes five winners of the competition were given prizes and an award certificate as “Millet Brand Ambassador” and certificate to all the participants. A total 124 participants attended and made the event successful.

(R. B. Karabhari, Scientist)

Fish Kiosk

ICAR-BIRDS Krishi Vigyan Kendra, Belagavi-1 has established Fish Kiosk with the financial support from Dept. of Fisheries under Pradhan Mantri Matsya Sampada Yojane (PMMSY). The main objectives of the unit is to promote entrepreneurship in fresh fish retailing. Hygienic fish market is the concept is being promoted with this establishment. Additionally, market facilitation for inland fish farmers of the Belagavi district is the core intention. Around 13 types of inland and marine fishes have been sold and 9 villagers are getting the benefit of this fresh fish retail market. Social media is extensively used for the promotion and advertisement. About 300 people registered in exclusive WhatsApp group in order to receive the everyday update of fish species available with price of per kilo fish. Digital payment and home delivery options are provisioned for the fish lovers. Thus, a sophisticated fish retail unit that acts as reference model for entrepreneurs is functioning with an objective of serving the fish farmers.

(Adarsha. H.S, Scientist)





Diagnostic visit to dairy farm

Dr. Suraj Koujalagi (Scientist – Animal Science) visited dairy farm of 220 buffalos & 483 cows at yellatti village, situated in the borders of Belagavi and Bagalakote district. The owner of farm consulted the scientist of KVK, with a history of sudden death of cows in his farm with temperature of 106.5 °F. Scientist along with local Veterinarian visited farm, took history, blood samples, for smear and routine blood work (CBC, LFT, KFT). On observation, the scientist observed open mouth breathing, salivation, and auscultation revealed abnormal lung sounds. Took history of vaccination, feed chart and considering climatic changes (hot & humid in the morning and chills in the evening) we suspected per acute H.S. (Hemorrhagic septicaemia). In general, H.S. is prevalent in buffaloes, but the farm buffaloes were normal. So, we observed milk yield data, and we came to know that all high yielding animals were in stress and the succumbed to disease. Blood smear revealed *Pasturella multocida*, the causative agent of H.S. disease. Blood

work showed elevated WBC, low Hb & PCV. By the time of diagnosis, 10 animals were reported dead and soon we started potentiated sulphonamides along with immunomodulators with some management changes and dietary changes, the death cases were controlled and owner was thankful to KVK scientist. Smear reading was done by Dr. Prashant Kurbet (VO-Avaradi -Parasitologist).

(Dr. Suraj Koujalagi, Scientist)



PROUD FARMERS OF KVK BELAGAVI-1 NATIONAL AWARD WINNERS

PPVFR, New Delhi- Plant Genome Savior Award (Farmer Recognition): 2018-19.

A passionate Horticulture farmer of ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 Secured Plant Genome Savior Award farmer recognition 2018-19 from PPV&FR, New Delhi.

Shri. Patil focused on Adoption of 72 varieties of Banana, 12 varieties of mango, 8 varieties of Guava, 4 varieties of Jackfruit, 6 varieties of sweet potato, 3 varieties of Turmeric, 3 varieties of Ginger, 3 varieties of Mint, 5 varieties of Lotus, 8 varieties of Rose and 96 different types Horticulture crops from nuke and corners of the world.

some among them are land races, exotic cultivars and endangered plants were conserved successfully with getting potential yield and nursery production of conserved plant to spread among farmers around the Karnataka.

Adoption of foreign fruit crops in Northern Dry Zone of Karnataka like American beauty Mango, Mulberian Pista, American Abiu, Tennis Ball Banksia, Rollinia, Australian Red Lemon and successful cultivation of Udyam and Thousand finger banana in Belagavi District was unique.

Shri. Shivagouda M. Patil



ICAR-Pandith Deendayal Upadhyay Antyodaya Krishi Puraskar: 2019-20.

A progressive farmer of ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 developed highly remunerative Integrated Farming System. Shri. Rajapure started IFS farming in his 1.25-acre land since 2005. His annual income stands at Rs.7,84,000/- an excellent example for potential IFS module.

Along with the main component he incorporated fisheries, pets, ornamental birds, rabbits which hold to enhance income by 17% (2 lakhs). Uniqueness in cropping system growing mint as intercrop contributes 48% of his income annually and popular as pudhina yamanappa.

Shri. Sanna yamanappa B Rajapure



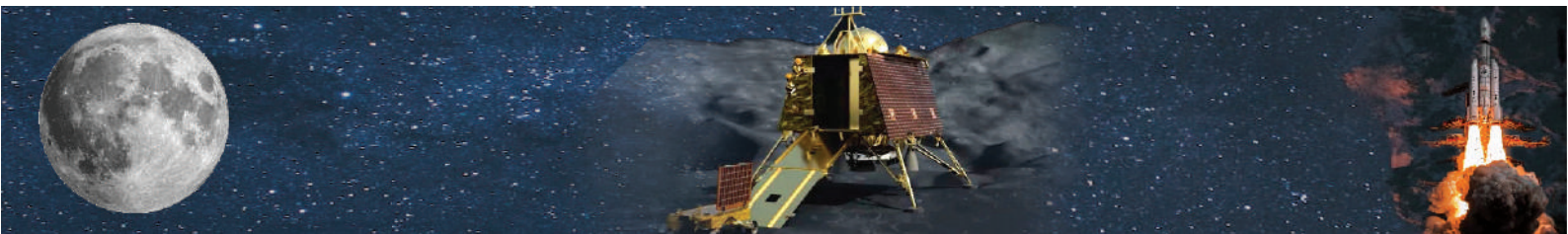
ICAR-Pandit Deendayal Upadhyay Antyodaya Krishi Puraskar: 2021-22

A progressive farmer of ICAR BIRDS Krishi Vigyan Kendra, Belagavi-1 has been awarded ICAR-Pandit Deendayal Upadhyay Antyodaya Krishi Puraskar 2021. Which he shares with Smt. Bindu Joseph, Kerala. Shri. Patil focused on optimizing agricultural output from the same piece of land by using available resources and modern technologies which really worked well.

Meanwhile developed and created side allied business including animal husbandry, open herd, vermicompost, green fodder (silage machine), agriculture equipment (works without energy) and rainwater harvesting system. He has been educating farmers about new techniques through examples, practical demonstrations and sharing technical literatures and conducting various seminars, newspaper publications and social media.

Shri. Suresh Vishwanath Patil





Belagavi's contribution to Chandrayana-3

Chandrayana-3 is the greatest achievement of ISRO so far and entire nation salutes the efforts of the scientists for this mission. We, the KVK fraternity also whole heartedly congratulate the ISRO Team for this achievement.

It's indeed a pride to acknowledge the contribution of Belagavi district in this mission. Two of the Scientists in this Chandrayana-3 is from Belagavi district and they are Mr. Shivanand Kamate and Mr. Prakash Padnekar. Mr. Shivanand Kamate, born in Mamadapur village of Gokak taluk who completed his engineering in GIT, Belagavi. He is now 52 year old and contributing significantly in the major missions of ISRO. Another young scientist Mr. Prakash Padnekar is from Anagadi village of Khanapur taluk, has been working in ISRO since last five years.

Servo Controller Aerospace Ltd., has supplied some of the vital parts for the Chandrayana-3. The company is founded by Deepak Dhadooti in Belagavi. The company has supplied electronic sensors, hydraulic instruments, valves and sleeves have supplied to ISRO. For many years, the company is in close collaboration with the Indian Space Research Organisation (ISRO), lending their expertise in producing vital spare parts.



Team Chandrayana-3.



Mr. Shivanand Kamate



Servo Controller Aerospace Ltd.,



Mr. Prakash Padnekar



KVK TIMES

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

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हर कदम, हर उमर

किसानों का हमसाफर

भारतीय कृषि अनुसंधान परिषद

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