



®



KVK TIMES

A special Issue on Integrated Farming System

A WINDOW TO KVKs OF ICAR-ATARI, ZONE XI, BENGALURU
Vol-2, Issue-16, 16-29 February, 2024



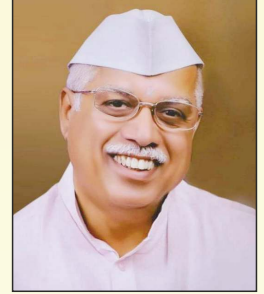
Integrated Farming for Sustainable Livelihood

ICAR-Agricultural Technology Application Research Institute, Zone XI, Bengaluru
ICAR-K.H. Patil Krishi Vigyan Kendra, Hulakoti, Gadag Dist.

Website: <https://kvkgadag.icar.gov.in>, | E-mail: kvkhulkoti@gmail.com, kvk.Gadag@icar.gov.in. Tel.: 08372-289325



MESSAGE



Agriculture and allied sectors are not only critical to meet the food and nutritional demands of the growing population but also for the overall development of the country. Due to vagaries in agriculture and increase in life style diseases, the cultivation of Millets and their consumption in daily life is the need of the hour. In this context, KVK, Gadag is organizing many training cum awareness programmes to farmers, farm women and rural youths of Gadag district by inviting Padmashree Dr.Khader Valli to these programmes.

Due to drought prevailing drought situation in Gadag district it is important to give more focus on water conservation techniques for improvement of dryland areas in many villages of Gadag district. In this regard, KVK, Gadag has joined hands with Magsaysay Dr. Rajendra Singh, the Water Man of India in creating awareness about rejuvenation of Water Harvesting Structures, Soil and Water Conservation treatments in watershed areas through community mobilization in various villages of Gadag district.

I also feel very proud and happy about ICAR- K.H.Patil Krishi Vigyan Kendra, Hulkoti for their constant efforts in dissemination of technologies to the farming community across the district and helping the farmers in adoption. KVK has been focusing on thrust areas viz., Natural Farming, Integrated Farming System, introduction of improved varieties, integrated crop management, crop diversification, drudgery reduction and livestock technologies. KVK is handholding and providing technical backstopping to many FPOs in production gaps, promotion of entrepreneurs in ODOP crop, value addition in agriculture and horticulture crops.

At this juncture, I congratulate ICAR- K.H.Patil Krishi Vigyan Kendra, Hulkoti for bringing out this 16th issue of second volume of KVK TIMES of ATARI Zone-XI for the fortnight from 16-28 February, 2024 with special emphasis on successful Integrated Farming Systems adopted by farmers spread out in all KVKs in the ATARI, Zone-XI jurisdiction.

I complement Dr. V. Venkatasubramanian, Director, ICAR-ATARI Bengaluru and the staff of ICAR-ATARI and KVKs in Zone-XI for their collective effort in bringing out the "KVK TIMES" Volume-II, Issue-16, that has highlighted the KVK activities. I wish KVK system to reach greater heights in improving Indian Agriculture and continue to contribute further for betterment of farming community.

Shri D.R.Patil, Ex M.L.A

Chairman, Agricultural Science Foundation, Hulkoti
Host Institution of ICAR-KHPKVK, Gadag



FOREWORD

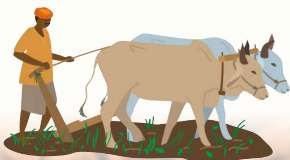
Krishi Vigyan Kendras are playing pivotal role in handholding of farmers through technological backstopping for enhancing the productivity of crops and enterprise keeping in mind profitability and sustainability. 'Believing through seeing' and 'Learning by doing' is most appropriate to the KVKs, as the 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, Gadag is bringing up the 16th issue of second volume of KVK TIMES covering the 2nd fortnight of 16 to 29 February, 2024. I congratulate the KVK fraternity Zone-XI specially Dr.Sudha V. Mankani, Senior Scientist and Head (I/c.) and her team of KVK, Gadag for bringing out this unique edition of KVK Times.

Dr.V. Venkatasubramanian

Director, ICAR-ATARI, Zone-XI
HA Farm Post, Hebbal
Bengaluru-560024





ACKNOWLEDGEMENT

It is a pleasure and great privilege for me to express my profound gratitude to Dr.Venkatasubramanian, Director and all the Nodal Scientists, Technical and Administrative Staff of ICAR-ATARI, Zone-XI, Bengaluru for providing us an opportunity to bring out second this volume of KVK Times of Zone-XI for the 2nd fortnight from 16th to 29th February, 2024. Along with important activities of respective KVKs, this special issue also covers Successful Integrated Farming System (IFS) Farmers from Zone-XI (Karnataka, Kerala & Lakshadweep)

I express my deepest sense of gratitude and heartfelt thanks to Shri D.R.Patilji, Chairman & Ex-MLA for his valuable guidance, constant encouragement and moral support in carrying out our KVK activities in serving the farming community.

On my personal note, it is an immense pleasure to express my sincere thanks to Dr. Thimmappa K., Principal Scientist, ICAR-ATARI, Bengaluru and Nodal Officer of our KVK for constantly encouraging us to carry out the mandated activities.

My sincere thanks are due to Dr. Laxminarayan Hegde, Director of Extension, University of Horticultural Sciences, Bagalkot for the timely guidance and inspiration to carry out the various activities successfully.

I express my sincere thanks to Dr.L.G.Hiregoudar, KVK Advisor and Secretary, Agricultural Science Foundation, Hukloti for the constant support and guidance extended in successful implementation of KVK activities for the benefit of farming community of Gadag district.

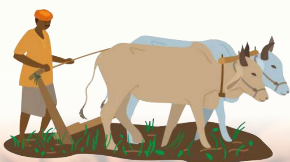
My sincere thanks to all the Heads and Teams of KVKs of Zone-XI for sharing their KVKs' the valuable information on various activities coupled with Successful Integrated Farming System farmers' details in time.

My heartfelt thanks to my entire team of ICAR-K.H.Patil Krishi Vigyan Kendra, Hukloti for their support and valuable suggestions in bringing out this issue of KVK Times in time.

Dr. Sudha V. Mankani

Senior Scientist & Head (I/c.)

ICAR-K.H.Patil KVK, Hukloti, Gadag district



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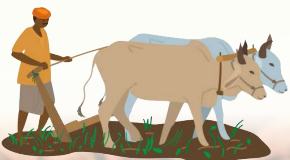
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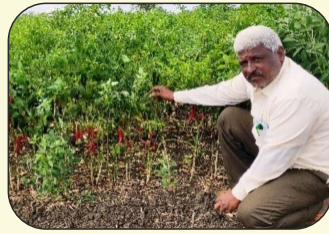




SUCCESSFUL IFS FARMERS OF GADAG DISTRICT



Smt. Mangala Neelgund



Shri Venkaraddi Chakalabbi



Shri Raju Jadhav



Shri Ashok Halli



Shri Ramaninganagouda Patil



Shri Praveen Uppin



Shri Praveen Nayak



Shri Kumar Hosamani



Shri Narayan Channalli



Shri Hanumantappa Lamani



Shri Arun Halakeri



Shri Siddharoda Bhoomakkanavar



Shri Noorappa Pujar



Shri Chandrashekhar Nayak



Shri Shekappa Lamani



Shri Raghavendra Hulkoti



Shri Nagaraj Madolli



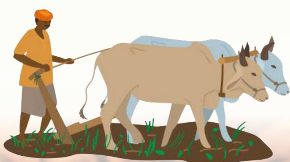
Shri Kuberagouda Doddagoudra



Shri Rajendra Shirol



Shri Bhudappa Bhumannavar





ICAR-KVK, GADAG

CERTIFICATION DISTRIBUTION TO DAESI TRAINEES AND INAUGURATION OF CCINM

Certificate distribution programme to DAESI (1st Batch) trainees and Inauguration of Certificate Course on Integrated Nutrient Management (CCINM) was organized at ICAR-KVK, Gadag. Dr.S.S.Angadi, Director of Extension, UAS, Dharwad inaugurated the programme and in his inaugural address, he opined that Agro Input Dealers who have completed DAESI course should help University and KVK in extension of agricultural technologies. He also said that CCINM course is designed to impart technical knowledge to fertilizer dealers regarding balanced use of fertilizers so as to maintain good soil health. Dr.M.Gopal, State Nodal Officer (DAESI) and Director, SAMETI (North) in his introductory speech emphasised on importance of DAESI and CCINM trainings in upgrading technical knowledge of Agro Input Dealers. He also advised input dealers to provide selfless service to farmers and help in alleviation of their recurring problems in agriculture.

Smt. Taramani G.H., Joint Director of Agriculture, Dept. of Agriculture, Gadag addressed the gathering and urged to collaborate with State Department of Agriculture in extending the useful schemes to the needy farmers. Dr. Sudha V. Mankani, Senior Scientist & Head (i/c), in her presidential address, congratulated the DAESI trainees for successfully completing the course and asked them to keep striving towards betterment of farming community. Further, she assured that all necessary arrangements have been made in KVK for smooth conduct of CCINM course. 38 DAESI trainees were awarded certificates for completing the course. Around 116 Agro Input Dealers from Gadag District participated in the programme.

[Dr. VinayakaNiranjan, SMS (Ag. Engg.) & Dr. Sudha V. Mankani, SS&H (i/c)]

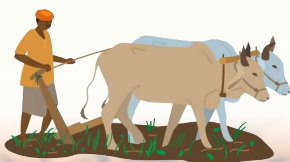


TRAINING PROGRAMME ON “INTEGRATED FARMING SYSTEM” UNDER SCSP PROJECT

ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti in collaboration with ICAR- National Academy of Agricultural Research Management, Hyderabad, organized training on Integrated Farming System under Scheduled Caste Sub Project on 30-01-2024 to 03-02-2024 at KVK Premises. The programme was inaugurated by Dr. Ch Srinivasa Rao, Director, ICAR-NAARM, Hyderabad on 31-01-2024. He briefed about the importance of Integrated Farming System in enhancing the livelihood needs of farming community. He suggested to adopt different cropping pattern, crop diversity, agro-forestry, agro-horticulture, dairy, sheep and goat, sericulture, etc. for getting income throughout the year. Dr.M.Balakrishnan, Principal Scientist & Chairman of SCSP, ICAR-NAARM, Hyderabad urged farmers to adopt various IFS technologies for economic security of families especially in dryland. Adoption of IFS components will also help in improving the health of people as well as in providing better education and better life to the children.


Dr. L.G. Hiregoudar, KVK Advisor & Secretary, Agricultural Science Foundation, Hulkoti briefed about the various technologies provided under IFS. Further, he thanked ICAR-NAARM, Hyderabad for the support extended in organizing the training programme to farmers of Gadag District to help them in getting sustainable income. Dr. Sudha V. Mankani, Senior Scientist & Head (i/c) welcomed the guests. Dr.VinayakaNiranjan, SMS (Ag. Engg.) conducted the programme and Smt. Hemavati R.H., SMS (Horticulture) extended vote of thanks. Shri N.H.Bhandi, SMS (Soil Science) coordinated the programme. SC farmers from Shivajinagar and Brahmanandapura of Gadag district participated in the programme.

[Shri N.H.Bhandi, SMS (Soil Science), Smt. Hemavati R. Hiregoudar, SMS (Horticulture) & Dr. Sudha V. Mankani, SS&H (i/c)]




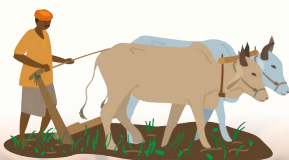


SUCCESSFUL IFS FARMERS OF ICAR-KVK, GADAG

Name of the KVK	: ICAR-K.H.Patil KVK, Gadag
Name of the IFS Farmer	: Naganagouda Yellappagouda Kagadal 
Address with Contact No.	: At : Khanapur village, Post: Radder Naganur, Naragund Taluk, Gadag District. Mob.No.: 6362281460
Landholding	: Total:0.4 ha Under IFS : 0.4 ha
Farming situation	: Irrigated (Farm pond)
IFS Model adopted	: Horticulture + Forestry + Apiary
Innovations adopted	: 1)Use of pheromone traps for pest management and adopted animal scaring system 2)Adoption of organic farming and small scale mechanization
Annual Net Income from IFS	: Rs. 366000/-
Awards received (Major two)	: 1)Taluk level best farmer award in 2018-19 by ATMA project, Dept. of Agriculture GoK 2)Best Organic Farmer Award by Yacchireswar Gavimath, Shirol village
Interventions of KVK in fostering IFS	: 1)Provided technical guidance for Guava and Tuberose cultivation, use of biofertilizers and organic input preparation. 2)Trained him on Vermicompost production, Dryland Horticulture and adoption of climate resilient crops



Name of the KVK	: ICAR-K.H.Patil KVK, Gadag
Name of the IFS Farmer	: Shri Rajendrababu Chandrashekar Shirol 
Address with Contact No.	: At Post : Belavanaki Taluk: Ron District : Gadag State : Karnataka Email: rajendrashirol@rediffmail.com Mobile No.: 9448934730
Landholding	: Total : 21 ha Under IFS : 7.2 ha
Farming situation	: Rainfed: 13.8 ha and Irrigated: 7.2 ha (Open well)
IFS Model adopted	: Agriculture +Horticulture + Forestry + Dairy + Fishery
Innovations adopted	: 1. For the first time, he introduced commercial cultivation of Ashwagandha in whole Karnataka state 2. Adopted permaculture in coconut based natural farming along with biodynamic certification in 18 Acres of land since last 30 years 3. Constructed a large farm pond (250ft X 250ft X 16ft) in dryland area and harvesting fishes consistently since 5 years
Annual Net Income from IFS	: Rs. 3273920/-
Awards received (Major two)	: 1. Indian Institute of Horticulture Research, IIHR Bangalore conferred an award as "Best Medicinal Plants Farmer in South India" 2. Best Innovative Farmer award from UAS, Dharwad
Interventions of KVK in fostering IFS	: 1. Technical guidance on coconut cultivation under permaculture 2. Facilitation in formation of Ashwagandha Farmers Forum and organic certification to farmers






ICAR-KVK, BAGALKOTE

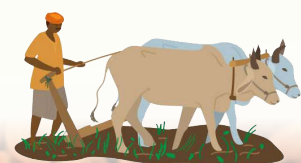
LIVE TELECAST PROGRAMME “RELEASE OF 16TH INSTALLMENT OF PM-KISSAN SCHEME

Release of 16th Installment of PM-KISAN Scheme was jointly organized by ICAR-Krishi Vigyan Kendra, Bagalkote in collaboration with Karnataka State Department of Agriculture Bagalkote on 28.02.2024, 04.00 pm at KVK Bagalkote. The Programme was inaugurated by Shri. P. C Gaddigoudar Member of Parliament Bagalkote, Government of India Inaugurated the programme and addressed farmers and farm women on different agriculture schemes available at Panchayat levels and also gave detailed speech on kisan samman nidhi programme. Dr. S. B. Patil, Senior Scientist and Head, KVK Bagalkote was presided the programme and briefed about the Kisan Samman Nidhi scheme. Dr. Siddappa Angadi Senior Technical officer anchored the programme. Then the P.M Samman Nidhi 16th installment amount release main event of the programme was live telecasted. A total of more than 83 farmers and farm women were participated and got benefitted. During this event all the staff of KVK, Bagalkote and Department of Agriculture Bagalkote were present and succeeded the event.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR- KVK Bagalkote.
Name of the IFS Farmer	:	Arjun Galagali 
Address with Contact No.	:	Kainkatti, Badami Tq Mobile Number: 9972265795
Landholding	:	Total : 4 ha Under IFS : 2.5 ha
Farming situation	:	Rainfed + Irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	Farm Pond with Poultry House
Annual Net Income from IFS	:	2,04,500
Awards received	:	Best Farmer award under KSDA Bagalkote.
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> • Clean milk production • Vaccination to livestock, Deworming • Scientific feeding management • Silage making

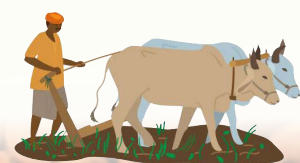
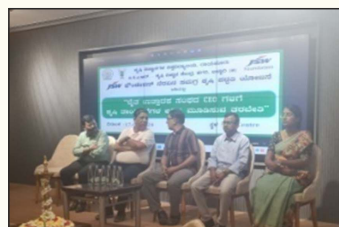




ICAR-KVK, BALLARI

TRAINING FOR CEOS OF FPOS AND LEAD FARMERS IN ASSOCIATION WITH JSW FOUNDATION BALLARI.

ICAR-KVK Ballari, in collaboration with JSW foundation Toranagallu Ballari has conducted series of training programmes and awareness programmes to CEO's of FPO and to the lead farmers in the month of February 2024. During CEO training on 17th of February 2024 at OPJ centre JSW, Sri. Sunil, Senior Deputy director inaugurated the programme and expressed his gratitude for the farmers for providing food to the nation. He also mentioned about the indiscriminate usage of chemical fertilizers by the farmers and for which awareness need to be provided. Senior Scientist and Head of ICAR, KVK Ballari Dr.M.R.Govindappa stated in his speech that the farmers are the back bone of India and should be strengthened. farmers FPOs need to be strengthened first. For this reason, KVK and JSW are working together to provide trainings on technology awareness. Dr. A.R. Kurubar, Associate Director of Extension, UAS, Raichur, served as a resource person for the course and provided his extensive expertise working as a horticultural scientist in the Kalyana Karnataka region. Dr. Shilpa H. Scientist from Home Science delivered a talk on the value of nutrition in enhancing farmers' health. The significance and techniques of soil testing were expounded upon by Dr. Ravi S. Scientist in Soil Science. By offering technological expertise on various IFS system aspects, a total of five awareness trainings concerning the Integrated Farming System to the farmers in various villages of Sandur taluk of Ballari district, one training for the Lead IFS farmers, and four trainings for the CEOs of various FPOs have been successfully conducted.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK,Ballari
Name of the IFS Farmer	: Doddabasavanagouda S/o Erreppagouda
Address with Contact No.	: Chellukurki, Rupanagudi Block Ballari Tq & District Mobile No.: 9449171590
Landholding	: Total : 1.62 ha Under IFS : 1.62 ha
Farming situation	: Dryland farming system
IFS Model adopted	: Agri+Horti
Innovations adopted	: Arid horticulture cropping system like drumstick and chrysanthemum with timely crop protection measures
Annual Net Income from IFS	: Rs 2,97,800
Awards received	: 1) Shreshta Krishika of the Ballari district given by KSDA 2) Vijaya karnataka super star raitha
Interventions of KVK in fostering IFS	: DFI interventions like introduction of arid horticulture cropping system like drumstick and chrysanthemum with timely intervention of crop protection measures





ICAR-KVK, BELAGAVI - I

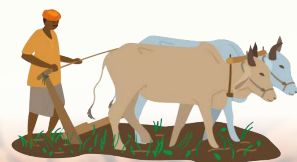
EXPOSURE VISIT OF DAESI STUDENTS

On the day of 7 Feb 2024 an exposure visit of DAESI trainees was arranged to know the working of Co-operative society based up on agriculture input distribution and value addition by spinning the cotton threads and making garments. For this visit Dr. D. A. Mhetre, Sen Sci. and head, Mr. Ramesh Koli and Mr Santosh (DAESI Facilitators) were actively participated and guided to the trainees. In this visit we all along with DAESI trainees of batch 6th and 7th took all coverage of co-operative society working and its sister branches work. The ARIHANT group of Borgaon has developed a very big venture in Borgaon i.e. in financing sector, value addition and processing sector, agri-inputs like pesticide, fungicide, seeds and irrigation system inputs centre.

The Spinning industry having very nice setup of making garment thread. In this they maintain the quality and continuity in making the thread. Such thread bundles with uniform weight and length export to many countries. It is nice event to visit the ARIHANT group and Dr. Kudche automated farm with DAESI students. He has set the Finolex automated irrigation system in his farm since 8 years. He shared his experiences in different cropping system of automation like Sugarcane, banana, ginger and some vegetables. Automation helped in saving of labours as well as fertilizers and seen uniform growth in the crops. In this visit we saw the progress of farmers co-operative society and its stakeholders. The spinning and garments making unit was giving lots of employment to the women as well as to youths in their own village.

All the DAESI students got motivated to see such joint activities on co-operative basis. All transportation and warm welcome done by the ARIHANT group members. A thanks giving ceremony and delicious food arrangement was made by Arihant group and Mr. Anil Mali (DAESI trainee).

(Dr. Datta A. Mhetre, SS&H, KVK Belagavi- 1)



SUCCESSFUL IFS FARMER

Name of the KVK	: KVK, Belagavi-1 (Tukkanatti)
Name of the IFS Farmer	: Laxmikant Uddappa Sollapur
Address with Contact No.	: Sollapuri Thota, Duradundi, Tq: Gokak, Dist: Belagavi, Karnataka - 591310. Contact No.: 9880369265
Landholding	: Total:5.2 ha Under IFS:2.5 ha
Farming situation	: Irrigated
IFS Model adopted	: Agri+Horti+Livestock
Innovations adopted	: <ul style="list-style-type: none"> • Mechanization in Turmeric & Sugarcane sowing and Harvesting and Turmeric powder making unit. • Organic Certification from Aditi organics Pvt. Ltd. For sale of farm produce.
Annual Net Income from IFS	: Rs. 14,58,160/-
Awards received (Major two)	: <ol style="list-style-type: none"> 1. State Level VK Super star Farmer Award 2019. 2. Best Horticulture Farmer from UHS Bagalkot-2021
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Supported farmer by making him as farmer leader for KVK PKVY project. • Provided ASCI Organic farming training and Organic certification. • Azola unit, silage making and technologies related to fodder management were demonstrated.





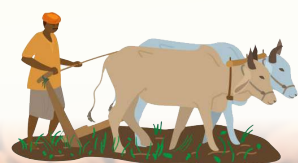
ICAR-KVK, BELAGAVI - II

ON CAMPUS TRAINING PROGRAMME TO FARM WOMEN


ICAR-KLE Krishi Vigyan Kendra, Mattikopp organised one day on campus training program for farm women on sustainable agricultural transformation and livelihood improvement in collaboration with Grant Thornton Bharat Company with main focus on Chilli and Onion crops. Mrs. Sridevi Gangannavar from Grant Thornton Bharat in her introduction remarks explained the importance of training farm women from KVK which will bring market lead crop production.

S. M. Warad, Scientist (Soil Science) explained the importance of soil testing and fertilizer application based on soil test report and covered deficiency symptoms of macro and micro nutrients and remedial measures. Briefing on the chemical free farming, he draw the attention of participants towards ill effects of heavy use of fertilizers and pesticides leading to disastrous health hazards in human beings. In light of this, he explained the importance, concept and advantages of natural farming practices to reduce the cost of cultivation and attain economic stability of the farmers.

A method demonstration on preparation of different inputs under Natural farming using cow dung and urine and application of jeevamruthin chilli and onion crops. G.B. Viswanath, Scientist (Agronomy) covered agronomic practices including major pests and diseases appearing on chilli and onion and their management practices.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR – KLE Krishi Vigyan Kendra, Mattikopp, Belagavi-II
Name of the IFS Farmer	: Mr. Dayanand A. Appayyanavarmath 
Address with Contact No.	: At:New Kurgund Village, Bailhongal Taluk, Belagavi District Mobile: 6364213094 email id: s2tradersblh@gmail.com
Landholding	: Total : 6.0 ha Under IFS : 6.0ha
Farming situation	: Irrigated
IFS Model adopted	: Agri+Horti+Livestock
Innovations adopted	: Bio gas and Compost
Annual Net Income from IFS	: Rs. 9,25,000/-
Awards received	: 1. Krishi Pandit Award 2016-17 2. Shreshta Krishika, UAS, Dharwad, 2016-17 3. Change Maker Award, Deccan Herald, 2017-18
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Promoted organic farming by providing Desi cow • Helped in establishing Bee rearing unit • Introduced high value crops like exotic vegetables, capsicum under protected condition • Strengthen the IFS unit by converting agriculture waste into organic manure by vermicomposting



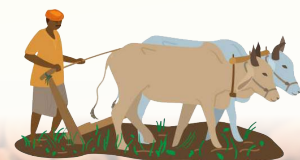


ICAR-KVK, BENGALURU RURAL


COCONUT CLIMBING TRAINING PROGRAMME UNDER ARYA PROJECT

ICAR- Krishi Vigyan Kendra, Hadonahalli, Bengaluru Rural District organized six days Skill development training programme on “Improved cultivation practices and mechanization in Coconut” under Attracting and Retaining Rural Youth in Agriculture (ARYA) project from 12th to 17th February 2024. The training programme was inaugurated by Dr. B.G. Hanumantharaya, Senior Scientist & Head, ICAR – KVK, Bengaluru Rural District and briefed about the training programme and the rural farm youths are trained to generate employment opportunities in rural areas and may retain at their villages instead of migrating to the cities for the employment. They trained rural youths will serve as a village technocrats and also a technical army to carry out various operations in coconut cultivation specially coconut climbing.

This trained army is also served as service providing army in the village. During the technical session Dr. Sriram, Professor (Retd.), UAS, Bangalore was given detailed information about the improved varieties of coconut, selection of suitable varieties and by products of coconut. Dr. H.V. Ramegowda, Scientist (Crop physiology) and Course Coordinator of this training programme explained mechanization in coconut cultivation. Dr. Venkate Gowda, J., Scientist (Agronomy) delivered lecture on Improved cultivation practices of coconut, Dr. Veeranagappa, P., Scientist (Soil Science) briefed about the importance of soil testing and nutrient management in coconut cultivation. Dr. Darshini, G.M., Scientist (Plant pathology) elaborated about the management of rhinoceros beetle, leaf eating caterpillar in coconut. Dr. Sagar, S. Pujar, Scientist (Agril. Extension) explained the different equipment in coconut cultivation. Dr. Meghana, S.V., Scientist (Home Science) gave detailed information about the importance of value addition in coconut and market linkages. Mr. Bharath, S.P., Master trainer demonstrated the skills of coconut tree climbing through the climber machine and given detail explanation on crown management in coconut. During the programme, Training Kits, Coconut tree climber, helmet, sickle and first aid kits were provided to the trainees. Totally 20 rural youths were benefitted from the training programme. [Dr. Hanumantharaya, B.G., Senior Scientist & Head, Dr. Venkate Gowda, J., Scientist (Agronomy), Dr. Ramegowda, H.V., Dr. Sagar, S. Pujar, Scientist (Crop Physiology)]



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR- KVK, Bengaluru Rural District
Name of the IFS Farmer	:	Mr. Ramesh, K.R. 
Address with Contact No.	:	Kuruvigere, Doddaballapur Taluk, Bengaluru Rural District -561205
Landholding	:	Total : <u>3.5</u> ha Under IFS : <u>3.5</u> ha
Farming situation	:	Rainfed / Irrigated
IFS Model adopted	:	Agri+Horti+Fisheries+Silvi
Innovations adopted	:	Bio-floc Fish farming-Aquaponics
Annual Net Income from IFS	:	Rs. 20,00,000
Awards received	:	<ol style="list-style-type: none"> 1. Progressive farmer award from Department of Agriculture, Doddaballapura, 2019 2. District level Best farmer award from Zilla Panchayat, Bengaluru Rural District, 2020-21 3. District level ATMA best farmer award Department of Agriculture, Doddaballapura, 2021-22
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> • Introduction of improved varieties of finger millet and field bean and newly released fodder variety PBN-342 • Adoption mechanization like weeder, Tree pruner, fodder chopping machine etc. • Introduction of AMC, bio fertilizers and bio-fungicides • Introduction of exotic fruits viz., Dragon fruit, water apple, protective cultivation, exotic vegetable like European cucumber, capsicum and cherry tomatoes





ICAR-KVK, BIDAR

SUNFLOWER SUCCESS: KVK BIDAR CULTIVATES COMMUNITY GROWTH

In a picturesque setting at Sri. Ramesh Marutheppa's farm in Rajgira village, Bidar, KVK Bidar orchestrated a groundbreaking Sunflower Crop Field Day, leaving an indelible mark on the local agricultural landscape. The event drew a captivated audience of 68 farmers and farm women, graced by the esteemed presence of Sri. Mallikarjune Malipatil and Sri. Vijaykumar Siranje as honored guests.

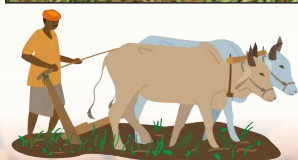
The focal point of the day was the demonstration of Integrated Nutrient Management utilizing the Dibbling method in sunflower cultivation, implemented at a strategic spacing of 3x1 feet. KVK Bidar's agricultural experts showcased the efficacy of this innovative approach, underlining its potential to enhance yield and promote sustainable farming practices. Farmers keenly observed and absorbed the valuable insights shared, envisioning the transformation of their own fields.

Beyond the field's boundaries, the event took a holistic approach by imparting knowledge on the significant role of Sunflower oil in daily diets. KVK Bidar scientists emphasized the health benefits associated with the consumption of Sunflower oil, enlightening farmers about its rich nutritional profile. This multifaceted engagement aimed not only at elevating agricultural practices but also at fostering a deeper understanding of the connection between farming and dietary choices.


Inspired by the potential of Sunflower oil production, KVK Bidar's experts motivated the farmers to form a cohesive group dedicated to Sunflower oil extraction. Recognizing the power of collective effort, the farmers were assured of ongoing support and guidance from KVK Bidar in establishing their Sunflower oil-producing group. The organization pledged assistance in marketing their products, opening avenues for economic empowerment within the local farming community.

As the sun set on the vibrant fields of Rajgira village, KVK Bidar's Sunflower Crop Field Day not only left an imprint of agricultural innovation but also sowed the seeds of collective progress and community empowerment. The promise of a flourishing future for Bidar's farmers, coupled with the golden hues of sunflowers, painted a compelling narrative of growth and resilience.

Contributors: Mrs. Jyothi S Kamthane, Dr. Sunilkumar N M, Ningadalli Mallikarjun & Dr Gnyandev Bulla



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR – Krishi Vigyan Kendra, Bidar
Name of the IFS Farmer	:	Sri. Kalyanrao Sangramappa Buyya 
Address with Contact No.	:	R/o Markal, Janwada Road, Tq/Dist : Bidar - 585401
Landholding	:	Total : 3.2 ha Under IFS : 2.0 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri + Horti + Livestock + Forestry
Innovations adopted	:	1. Mixed Cropping System 2. Use of Biogas Slurry for farm
Annual Net Income from IFS	:	8 Lakhs
Awards received	:	1. Shreshta Krishika Award 2. Samagra Krishi Raitha Puraskar
Interventions of KVK in fostering IFS	:	Regular hand holding for the adoption of new technologies in IFS through providing information and critical inputs, also linked with many line departments for schemes and subsidies.

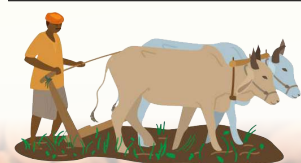





ICAR-KVK, CHAMARAJANAGARA

FARMERS-SCIENTISTS' INTERACTION PROGRAMME: IMPROVED CULTIVATION PRACTICES IN BANANA AND TURMERIC

ICAR Krishi Vigyan Kendra Chamarajanagara in collaboration with Prof.M.D.Nanjundaswamy Research Foundation, GKVK, Bengaluru conducted a farmers – scientist interaction programme on the occasion of 88th birth anniversary of renowned farmer leader of Chamarajanagara district Professor M.D. Nanjundaswamy on 23.02.2024. In his inaugural speech, Shri.Honnuru Prakash, the progressive organic & millets farmer and a farmer leader said that he is a follower of Prof.M.D.Nanjundaswamy since from his childhood and has adopted his life principles in a way to fulfill the district farmers' needs and move towards sustainability. He urged farmers to self sustain by establishing desi seeds bank and switch over to processing and value addition of agriculture produce to fetch higher returns. Dr. Yogesh, G.S., Senior Scientist & Head highlighted the development activities carried out by Prof. M.D. Nanjundaswamy in safeguarding the farmers' rights and many farmer friendly programmes like fair pricing of agricultural produce, regular power supply for agricultural operations, desilting of tanks to improve water storage, interest free crop loans that were carved out and implemented by incorporating the directions given by him to the government and other development agencies. Special Officer, College of Agriculture Dr.C.Doreswamy presided the programme and in his speech detailed the contributions of Prof. M.D. Nanjundaswamy to farming community and insisted the farmers to maintain market stability by adopting improved cultivation practices and through market intelligence. During technical sessions, Dr.A.B.Mohankumar, Scientist (Horticulture) and Dr.S.S. Navi, Asst. Entomologist, AICRP on Cotton deliberated the improved production aspects of Banana and Turmeric, and answered the queries raised by the participant farmers during the group discussion. As a part of the programme, all the participants paid respect to Prof.M.D.Nanjundaswamy by garlanding the photo and showering the flowers. (Yogesh,G.S., Mohankumar,A.B. & Pompanagouda,B)



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR KVK Chamarajanagara
Name of the IFS Farmer	:	Manjunath N 
Address with Contact No.	:	s/o H.N.Narayanagowda, Haradanahally village & post Chamarajanagar taluk and district
Landholding	:	Total :1.53 ha Under IFS : 1.32 ha
Farming situation	:	irrigated
IFS Model adopted	:	Agriculture + Horticulture + Livestock + Forestry
Innovations adopted	:	1) Turmeric + Small Onion + Chilly + Redgram intercropping 2) Improved Turmeric variety seed rhizomes production(through CBA) 3) Use of coconut climber
Annual Net Income from IFS	:	Rs.3,10,000
Awards received	:	District level best IFS farmer by UAS Bangalore, 2011
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> • Recycling of farm residues – vermicomposting, application of decomposer • IISR Prathibha improved turmeric variety seed production • Adoption of mechanization – coconut climbing machine






ICAR-KVK, CHIKKABALLAPURA

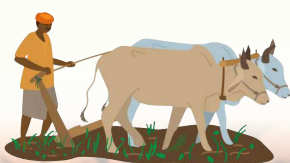
SCIENTIFIC ADVISORY COMMITTEE (SAC) MEETING

Krishi Vigyan Kendra, Chintamani conducted 17th Scientific Advisory Committee (SAC) meeting on 27.02.2024. Dr. V.L. Madhu Prasad, Director of Extension, UAS, Bangalore, Dr. D.V. Srinivasa Reddy, Principal Scientist, ATARI, Dr. Shivalingaswamy, Scientist, NBAIR and other dignitaries inaugurated the programme. Dr. V.L. Madhu Prasad, Director of Extension in introductory speech explained about purpose and need of SAC meeting. Dr. D.V. Srinivasa Reddy emphasized about strengthening KVK in dissemination of technologies to the farming community. Dr. Papireddy M., Senior Scientist and Head presented action taken report and work done report. Officials from different institutes, line department officials and farmers participated in the programme. Extension literatures were released during the event.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK, Chikkaballapura
Name of the IFS Farmer	: Shri. Radhakrishna 
Address with Contact No.	: Shri. Radhakrishna S/o C. Ramappa, Kurutahalli (V), Chintamani (T), Chikkaballapura dist. - 563125
Landholding	: Total : 16 ha Under IFS : 10 ha
Farming situation	: Irrigated and Rainfed
IFS Model adopted	: Agri+Hori+Livestock+Forestry
Innovations adopted	: Integrated pest management Farm mechanization and Farm Pond
Annual Net Income from IFS	: 12.0 lakhs
Awards received	: 1. Best Animal Husbandry farmer (National level)2018 2. C. Byregowda, State level award, UAS, Bangalore, 2017
Interventions of KVK in fostering IFS	: Demonstrated use of fruit fly and yellow sticky traps in mango Introduced improved fodder varieties Demonstrated azolla production technology





ICAR-KVK, CHIKKAMAGALURU

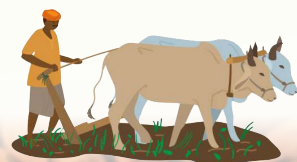
FIELD DAY OF FLD ON INTEGRATED CROP MANAGEMENT IN CAULIFLOWER

ICAR KrishiVigyan Kendra, Chikkamagaluru, has organized a field day on Integrated Crop Management in Cauliflower at Bandihalli, Chikkamagalurutaluk.


Dr. Krishnamurthy, A.T. Senior Scientist and Head, KrishiVigyan Kendra, Chikkamagaluru, said that, farmers should adopt different available technologies to maximize the yield. With ICM in cauliflower farmers can expect higher returns with less cost of cultivation, demonstration and extension activities being carried out by the KVK for the benefit of farming communities and also advised the farmers to adopt this technology and disseminate it to other farming communities also.

Dr. Suresha Kumara. B., Scientist (Horticulture), KVK, Chikkamagaluru, explained the farmers about the importance of ICM in cauliflower, educated the farmers about the practical application of crop rotation and intercropping of mustard to reduce the pest and disease infestation. and also briefed about the use of arka vegetable special to address the issue of micro nutrient deficiency.

Mr. Teertha Kumar, a progressive farmer and beneficiary expressed the opinion that, under the guidance of KrishiVigyan Kendra scientists, with the application of Arka vegetable special and Neem soap in cauliflower I am expecting higher returns with decrease in cost of cultivation. This field day was witnessed by 28 farmers and benefited out it.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, CHIKKAMAGALURU
Name of the IFS Farmer	:	Mrs. Rachitha Jayram 
Address with Contact No.	:	Kesavalalu Village, Daradahalli Post, Mudigere Taluk Chikkamagaluru Dist. Ph: 9686091772
Landholding	:	Total : 1.25 ha Under IFS : 1.25 ha
Farming situation	:	Rainfed with critical irrigation.
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	<ul style="list-style-type: none"> - Composite fish culture. - Dog breeding.
Annual Net Income from IFS	:	7-8 Lakhs
Awards received	:	Vijaya Karnataka Super Star Raitha Award.
Interventions of KVK in fostering IFS	:	<ol style="list-style-type: none"> 1) Implementation of 1000 fingerlings. 2) Supported with 2 Bee Box with colony. 3) Management and development of nursery production and sale 4) Effective utilisation of land for fodder crop production. 5) Technical support as and when required.





ICAR-KVK, CHITRADURGA

TRAINING PROGRAMME ON FLOWER CROPS

A training programme on Flower crops was organized at Sarjavvanahally village of Challakere taluk on 01-02-2024 in collaboration with Department of Horticulture, Challakere.

Dr. Mahantesh P.S., Scientist(Horticulture) KVK was participated in the programme and delivered a guest lecture on production technologies of flower crops. He discussed about importance of flower crops, improved cultivation practices in Chrysanthemum, Tube rose and Crossandra. Nearly 65 farmers have participated in the training programme. Trained them to identify the symptoms of nutrient deficiency, insect and pest damage and also educated the farmers about pest and disease management practices.



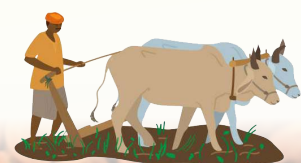
RAITHA SANGAMA

A training programme of "Raitha Sangama" was organized by Viraktha Matha, Pandumatti, Channagiri taluk, Davanagere district on 17-02-2024.


Dr. S. Onkarappa, Scientist (Plant Protection), KVK, Chitradurga participated as resource person during the programme and delivered a guest lecture on Pest and disease management and water conservation techniques for Arecanut plots.



He highlighted the proper use of water to overcome the drought situation prevailing in the Arecanut growing area. Farmers should irrigate the Arecanut plot based on the moisture content of the soil. They should not stick on to improper use of water which leads to drying of borewells, he also stressed on adopting mulching techniques for conservation of soil moisture. Later he also briefed about integrated management of pest and diseases of Arecanut and adoption of organic farming methodology by making use of application of Jeevamrutha, Bio inputs and organic matter which play an important role in Soil and water conservation.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK Chitradurga
Name of the IFS Farmer	:	Mr. Ninga Naik 
Address with Contact No.	:	Haldapura Tanda, Bharamasagara Hobli, Chitradurga Tq. & dist. Contact No.: 9482916401
Landholding	:	Total : 1.8 ha Under IFS : 1.8 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri + Horti + Fodder
Innovations adopted	:	1) Multi storied cropping system 2) Traditional vegetable seed bank maintained
Annual Net Income from IFS	:	3,15,600
Awards received	:	1) District best farmer award 2021(ATMA) 2) Best Farmer award 2022 KSNUAHS(S)
Interventions of KVK in fostering IFS	:	Demonstration of IFS components – Horticulture multi storied cropping system, rabbit rearing unit and pepper inter cropping in boarder teak plants .



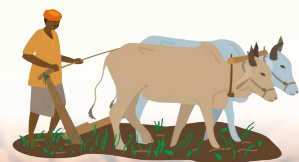


ICAR-KVK, DAKSHINA KANNADA

FRIENDS OF COCONUT TREE COCONUT PALM CLIMBING TRAINING PROGRAMME

The ICAR-Krishi Vigyan Kendra (DK) Mangaluru has organized the Six days training programme as part of the 'Friends of Coconut Tree (FoCT) Palm Climbing Training Programme' sponsored by Coconut Development Board (Ministry of Agriculture and Farmer welfare, Government of India) Regional Office Bengaluru from 12 to 17 February, 2024 to impart skill for unemployed youth in the art of climbing coconut tree as well as to take up the plant protection measures. The training programme was inaugurated by Dr. Anjaneyappa, Dean, College of Fisheries, Mangaluru. Dr. S. R. Somashekar, Associate Director of Extension and Professor, College of Fisheries, Mangaluru participated as a chief guest. Dr. Rashmi R. Scientist (Horticulture) coordinated the training programme. Ms. Chandana, Technical officer, CDB, Bengaluru briefed about schemes of the Coconut Development Board, Bengaluru to the participants.

Contributors: Dr. Rashmi R, Scientist (Horticulture), Dr. T.J. Ramesha, Senior Scientist and Head



SUCCESSFUL IFS FARMER

Name of the KVK	: Dakshina Kannada	
Name of the IFS Farmer	: Smt. Anitha M	
Address with Contact No.	: W/o.Thimmappa Naik Kuvanja house Bettampady post and village, Puttur D.K 574259 Mob: 9380573670 e-mail Id anithakuvenja@gmail.com	
Landholding	: Total : 1.82 ha Under IFS : 0.11 ha	
Farming situation	: Rainfed	
IFS Model adopted	: Agri+Horti+Livestock	
Innovations adopted	: Backyard Poultry farming Dairy farming	
Annual Net Income from IFS	: 10.00 Lakhs	
Awards received	: • District Level Women Farmer” Award by GKVK, Bengaluru at National Agricultural Fest - 2011; “ • District Level Dairy Farming Women” Award by KMF, Mangalore - 2014-15	
Interventions of KVK in fostering IFS	: • Area specific mineral mixture recommended for goats by NIANP, Bengaluru and popularised by KVK,Dakshina Kannada • Fodder scarcity during rabi season and high production cost due to dependence on supplementary feeding. • High yielding fodder root slips of CO- 4 and DHN-6 procured from IGFR,Dharwad was provided to establish unit and to increase milk yield with reduction of production cost.	





ICAR-KVK, DAVANAGERE

CELEBRATION OF NATIONAL SCIENCE DAY

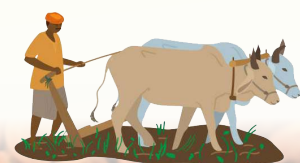
National Science Day was celebrated on 28.02.2024 in ICAR -Taralabalu Krishi Vigyan Kendra, Davanagere. Inaugurating the program Dr. Devaraja T. N., Senior Scientist cum Head said that national science day was celebrated in India to commemorate findings of Raman effects by sir C V Raman. The Raman effect defines the change in energy and wavelength of light when it pass through the liquid. He emphasic Katri made by Sir CV Raman to the field of science particularly to the Physics. He was the first Physics scientist to receive Noble Prize for his contribution to the science world.

In his introductory note Mr. Mallikarjuna B. O., SMS Agronomy emphasized the application of science in day today life which made our life easier. The engineering students from Bapuji Institute of Engineering Technology, Davanagere, Krishi sakhi's of Davanagere District and KVK staff participated in the celebration.




Training on Natural farming

Training on natural Farming was organized by ICAR-Taralabalu KVK on 21-02-2024 at Institute of Agricultural Technologists, Davanagere. Mr. H. M. Sannagoudra, Subject Matter Specialist (Soil Science) explained methods of preparation of different decoctions to be used in natural farming and demonstrated the same. Mr. Prbhashankar, Coordinator, IAT, Davanagere explained the importance of natural farming at the present situation. Mr. Sharanappa, Organic farmer shared his experiences in natural farming. 50 farmers were attended the training programme.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-Taralabalu KVK, Davanagere
Name of the IFS Farmer	:	Dyamappa H.M. 
Address with Contact No.	:	Haluvarthy at Post Davanagere Taluk & District PIN – 577 556 Mob: 9972089517 / 8073143775
Landholding	:	Total : 5.6 ha Under IFS : 5.6 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agriculture + Horticulture +Livestock+ Fisheries
Innovations adopted	:	1)Pheromone traps using for pest management 2)Growing rose as intercrop Areca nut cropping system 3)Adopted automated drinking water supply system for livestock. 4)Construction of Rain water harvesting pond (Farm pond) and successfully adopted fertigation system of nutrient supply.
Annual Net Income from IFS	:	Rs. 62,37,932/-
Awards received	:	1) State level best dairy farmer award in 2018-19 by ATMA project, Dept. of Agriculture GoK. 2) District Rajyotsava award in 2020-21 by Davanagere District administration. 30 Best Millionaire farmer award by Mahindra Samrudhi Organization in 2023
Interventions of KVK in fostering IFS(Not more than 4 sentences)	:	1) Introduction of New crops like Potato and DSR Paddy. 2) Guided in Fish farming 3) Provided technical guidance for Rose cultivation 4) Took him for exposure visit to various IFS model plots.






ICAR-KVK, DHARWAD

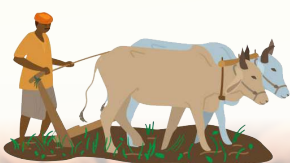
DIAGNOSTIC VISIT TO GUAVA FIELD

Scientists from ICAR-KVK, Dharwad visited problematic Guava field at Amminabhavi Village Dharwad Taluk on 23.02.2024. Dr. Airadevi P. Angadi, Scientist(Horticulture) explained about the guava plants damage with mealy bugs and kajji bugs and gave suggestions for pruning of infected branches, removal of diseased fruits and spraying with neem oil @5ml/litre and need based irrigation to plants. Dr. Praveen T. Goroji, Senior Technical Officer (Lab) explained about soil and water testing and foliar spraying with micronutrients. Smt. Vidya V. Sangannavar, SMS (Home Science) explained about value addition to guava. 5 farmers were present during the visit.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, Dharwad
Name of the IFS Farmer	:	Shri Shivanagouda Patil 
Address with Contact No.	:	Haletegur Village, Dharwad Taluk Dharwad District, Karnataka Mobile No.: 8970826649
Landholding	:	Total : <u>24.4</u> ha Under IFS : <u>23.2</u> ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri + Horti + Silvi + Animal Husbandry + Fishery
Innovations adopted	:	<ul style="list-style-type: none"> ➤ Intercropping of soybean/maize in mango orchard, intercropping of mu lberry in mahogany trees and teak plantation along the bunds ➤ Integrated goat cum poultry unit
Annual Net Income from IFS	:	Rs. 32,50,000/-
Awards received	:	<ol style="list-style-type: none"> 1) Taluka level Shreshta Krishika Award from UAS, Dharwad, Incentive award from CRI pumps Pvt. Ltd. 2) Millionaire Farmer Award 2023
Interventions of KVK in fostering IFS	:	<ol style="list-style-type: none"> 1) Regular consultancy and visits by KVK, Dharwad he started growing intercropping of soybean/maize in mango orchard with ICM practices. He started mulberry cultivation for sericulture activity. 2)KVK introduced short duration sugarcane variety CO-9004 under FLD and soybean variety DSb -21 in his field. 3)He attended training on scientific sheep and goat farming from KVK and started integrated goat cum poultry unit.





ICAR-KVK, HASSAN

NATURAL FARMING THAT REJUVENATES THE SOIL

ICAR-KVK, Hassan has organized the 2 days training on natural farming on 20-02-2024 to 21-02-2024 at KrishiVigyan Kendra, Kandali, Hassan. Dr. M. Shivashankar, Scientist (Home science), KVK Hassan chaired and inaugurated the programme and during his address he said that due to excessive use of chemicals and mono cultivation without prioritizing crop diversity, there have been many upheavals in agriculture which results in the loss of beneficial soil microorganisms and soil fertility.

The organizer of the training programme Dr. Arun Kumar, B. R. said that the farmers of the country depended on natural farming since ancient times. However, gradually high-yielding varieties, chemical fertilizers and pesticides were introduced to farmers through the green Revolution in the hope of producing more food. He praised the farmers for producing more food grains by using these and bringing about food security in the country. However, in recent times, farmers are feeling that agriculture is not profitable due to the high cost of production and dependence on external inputs. So, following chemical-free agriculture and natural farming looks promising to revitalize the soil and this training has been organized to make the farmers aware of this.

In the program, Dr. Pallavi, N., Scientist (crop physiology) addressed the farmers about soil and water conservation through zero capital natural farming and the importance of neemastra, brahmastra, agnistra, dasaparnikashaya, huli-majjige and shunthistra which can be prepared by the farmers from the materials available in nature to manage diseases and pests in natural agriculture and conducted a production demonstration.

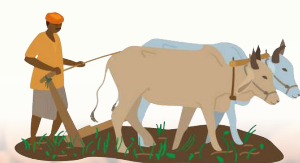
Mr. Lakshmesh, progressive farmer informed farmers that he has practiced natural farming in his farm and earning good income by growing chemical free food crops and selling them. Later, a demonstration was held on the preparation of Jeevamrita, Beijamrita and Ghanjeevamrita. Farmers and farm women who are interested in natural farming of the district participated in this programme.

Contributor:

Dr. Arunkumar, B. R., Scientist (Soil Science)

Dr. Sanketh, C. V. Scientist (Agricultural Extension)

Dr. Rajegowda, Senior Scientist and Head



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KrishiVigyan Kendra, Hassan
Name of the IFS Farmer	:	Mr. Mohan Kumar S/o. Siddegowda
Address with Contact No.	:	Rampura Village, NuggehalliHobli, C.R.Patna Taluk, Hassan District - 573131 Mob. No: 8861246783
Landholding	:	Total : 3.50 ha Under IFS : 3.00 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock+Sericulture
Innovations adopted	:	<ul style="list-style-type: none"> Improved Ragi variety KMR -301 cultivation Tree mulberry cultivation and CSR - 2 seed production
Annual Net Income from IFS	:	3.50 lakh/annum
Awards received	:	<ul style="list-style-type: none"> UAS (B) Young farmer award -2021 Best farmer award ATMA -2022
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> KVK provided skill training on scientific rearing of silkworm, coconut climbing machine and provided tree mulberry plants. Demonstration of improved variety KMR-301 Solicit advice from KVK scientists on soil testing, varietal selection, improved crop management techniques, integrated pest & disease management and allied activities





ICAR-KVK, HAVERI

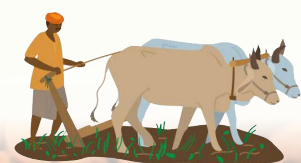
TRAINING AND METHOD DEMONSTRATION ON UTILIZATION OF COMPOST CULTURE FOR CONVERSION OF AGRICULTURE WASTE

ICAR-KVK, Haveri (Hanumanamatti) in collaboration with department of agriculture, Badagi. Mr. Chandrappa Vasanad of Hirehalli village of Badagi taluk organized training and demonstration on utilization of compost culture for decomposing of agricultural waste. Dr. Guruprasad G. S. Senior Scientist and Head expressed grief over improper management of agriculture waste, annually 350-500 m.t of agricultural waste is generated in India that weeds proper management to overcome problem soil fertility pollution of environment and space for damping. Further, he expressed negative impact of burning of crop residue on human health and degradation of soil health. Hence in such situation proper management of agriculture waste or conservation of agriculture waste into organic manure will helpful to enhance soil fertility.


Mr. Chandrakant Kotabagi, Senior Technical Officer conducted the method demonstration on utilization of compost culture in conversion of agricultural waste into organic manure. 1-2 kg of compost culture can be mixed with 10-15 liters of water for a ton of agricultural waste, If cattle dung is available, mixing 2 kg of cow dung with water will boost the microorganisms to quick grow. Further, he explained its importance in increasing soil fertility.

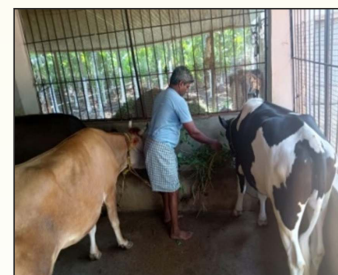
Dr. Laxmi Patil, Senior Researcher Fellow (NICRA project) explained microbial consortia present in compost culture and its mode of action in conversion of agricultural waste. Further, she explained the characteristics of good quality manure and its importance in boosting agriculture and horticulture crops.

Shri Ganesh Kammar, Assistant Director of Agriculture, Byadagi explained about the schemes and facilities available to the farmers from the agriculture department. He urged farmers to conserve soil fertility in enhancing water holding capacity for sustainable yield during adverse situation. Further he informed farmers can contact state agriculture department or KVK for novel interventions in agriculture. On this occasion, ShriNagaraj Bannihatti, Agriculture Officer, Ms. Pavitra Halageri, ATM, RSK, Kaginele were also presented. More than 25 farmers witnessed the event.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, Haveri (Hanumanamatti)
Name of the IFS Farmer	:	Shri. Laxman Basavantappa Kodihalli 
Address with Contact No.	:	Gondhi, Hanagal (Tq) Haveri (District) 9449355549
Landholding	:	Total : 3.2 ha Under IFS : 3.2 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock+Forestry
Innovations adopted	:	1)Bio gas slurry mixed with water and it is used to irrigate the field. 2)Adopted Sahiwaland HF Cow farming
Annual Net Income from IFS	:	25 lakh
Awards received	:	1)District level Shresta Krishika award by UAS (Dharwad) 2)ATMA Best farmer award
Interventions of KVK in fostering IFS	:	1)KVK scientists suggested for intercropping in Arecanut 2)Suggested to utilize botanicals for pest and disease management 3)Timely interventions for dairy animals and agriculture



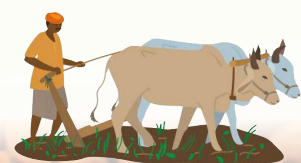


ICAR-KVK, KALABURGI-1

FARM MACHINERY EXPO -2024 AT UAS, RAICHUR

University of Agricultural Sciences, Raichur conducted one day Farm Machinery Expo at the main campus on 20th February, 2024. Expo Mela was inaugurated by Dr. M. Hanumanthappa, Honourable Vice Chancellor, UAS, Raichur, University Key officers and honourable board members are participated and called to farmers efficient use of farm machineries are plays a major role in agriculture especially while labour scarcity faced so for easy and time and labour saving machineries are better for development the farming community.

KVK, Kalaburagi setting information stall had displayed information materials pertaining to various aspects of agriculture, horticulture, farm machineries and technologies released by the university along with technological products like millets, millets baked products, bio fertilizers, Solar operated power sprayer, different varieties seeds of millets, ridge and furrow demo model, pulses and cereals, GI tagged tur dal, pulse and chickpea magic were show cased in the different stalls. Agriculture universities, various departments of Horticulture, Veterinary, Sericulture, Forestry, Fishery and private companies established stalls in Expo Mela. The agriculture related information in the form of specimens, charts, model, live samples were demonstrated for the benefit of the farmers. The stall has been visited by many dignitaries from different spheres of society, school and college students, farmers and general public and imparted an enriching experience to the visitors. KVK, Kalaburagi senior Scientist and Head, Dr. Raju G. Teggelli, Pathologist Dr. Zaheer Ahmed was part of the team. A total of 5 thousand farmers and public were participated and more than 500 farmers were visited to UASR Stall and got the information.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-Krishi Vigyan Kendra, Kalaburagi-I
Name of the IFS Farmer	:	Sri. Siddram S/o Shivsharanappa Kore
Address with Contact No.	:	At Post: Niragudi Tq.: Aland Dist.: Kalaburagi Contact No: 7090409045
Landholding	:	Total : 10.8 ha Under IFS : 6 ha
Farming situation	:	Rainfed: 21 ac Irrigated: 06 ac
IFS Model adopted	:	Agri+Horti+Forestry
Innovations adopted	:	Saline drip irrigation Sandalwood on bunds
Annual Net Income from IFS	:	18 Lakhs
Awards received	:	1) Best farmer district award by UAS, Raichur 2) Krishi Ratna award by Dist. Krishik Samaj, Kalaburagi 3) Best Farmer district award by JDA, KSDA, Kalaburagi
Interventions of KVK in fostering IFS	:	Soil test based fertilizer application, adopting horticulture techniques for pruning etc. Vegetables grow in Poly house, on bunds encourage to grow curry leaf, drumstick, lime, sandal wood, mahogany and Custard apple and soil and water conservation etc.





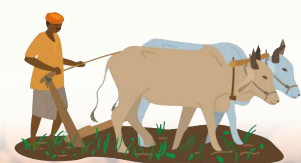
ICAR-KVK, KALABURGI-2

CDP ON PRODUCTION TECHNOLOGIES OF FRUITS AND VEGETABLES CROPS UNDER SCSP PROJECT

ICAR-Krishi Vigyan Kendra, Kalaburgi-II (Raddewadgi) organized capacity development programme to SC farmer / Farm women of Jewargitalukas under SCSP programme on “production technologies of fruits and vegetables crops” on 29-02-2024 at ICAR-Kalaburgi-II (Raddewadgi). Dr. P. VasudevNaik, Sr. Scientist and Head, ICAR-KVK, Kalaburgi-II explained about importance of horticulture crops and its role in getting high income every year. He also explained the role of KVK in dissemination of technologies and improved production technology methods in agriculture through different schemes and projects to the farming community.

In the technical session, Dr. Chethan T., Scientist (Horticulture) briefed about selection of horticulture crops according to the season and effective utilization of land resources to minimize the input cost. Mrs. Farzana M.K, Sr. technical officer (Soil Science) briefed about the soil sampling procedures and its importance in selection of suitable crops.

Later, all the beneficiaries were taken to the field and demonstrated soil sampling collection method and also explained about different agricultural machineries and implements are useful to small farmers under custom hiring centre, SCSP project, ICAR-KVK, Kalaburgi-II. the selected SC farmers were supplied with improved grafted fruit seedling and more than 50 farmer and farm women benefited the program.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, Kalaburgi-II
Name of the IFS Farmer	:	Sri. Parashuram Bommanalli 
Address with Contact No.	:	S/o NingappaBommanalli R/o: KallahangargaTq. Jewargi Dist. Kalaburgi Pin-585 310 9916012022
Landholding	:	Total : 3.68 ha Under IFS : 3.50 ha
Farming situation	:	Partially Irrigated
IFS Model adopted	:	Agri+Horti+Livestock+Forestry+ Fishery +Sericulture
Innovations adopted	:	Low cost stall feeding unit Plant guards Composting technology (<i>In-situ & Ex-situ</i>)
Annual Net Income from IFS	:	20.00 Lakhs
Awards received	:	1.National Millionaire farmer of India-2023 2.Krishi Ratna-2023 award from UAS, Raichur
Interventions of KVK in fostering IFS(Not more than 4 sentences)	:	<ul style="list-style-type: none"> • Demonstration of bio inoculants for composting • Rain water conservation and water harvesting technologies • Introduction of improved varieties of Agriculture and Horticulture crops • Post harvest technologies for preparation of crops products and its certification with <i>FSSAI</i> license

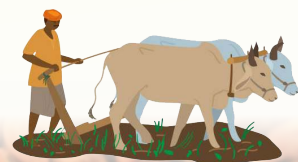




ICAR-KVK, KODAGU

STUDY TOUR CUM EXPOSURE VISIT UNDER NATURAL FARMING PROGRAMME

ICAR-KVK Gonikoppal, Kodagu organized a two days study tour cum exposure visit under Natural farming programme for the benefit of ten farmers from Kodagu district from 20th – 21st February 2024. One day one, the farmers visited KVK Davangere campus and Mr. Raghava’s farm, a natural farming practicing farmer from Mallanayakanahalli village. Here they got a wide range of information and exposure to chemical- free and livestock-based farming, Jeevamrutha preparation, benefits of natural farming, etc. On the second day, the farmers visited KVK Shivamogga campus and an organic farming unit at KSNUAHS campus. and got exposure to various nursery and bio products preparation activities. The programme was coordinated by Dr. Suresh S.C, SMS(Livestock). Smt. Lakshmi R, Farm Manager and Mr. Thabrez, Lab Assistant were also present during the programme. The farmers expressed satisfaction about the arrangements and facilities created by ICAR-KVK Gonikoppal.



SUCCESSFUL IFS FARMER

Name of the KVK	:	Kodagu
Name of the IFS Farmer	:	Bheemaiah M.K 
Address with Contact No.	:	Huddoor village, Ponnampet Kodagu District
Landholding	:	Total : 4 ha Under IFS : 1 ha
Farming situation	:	Rainfed
IFS Model adopted	:	Agri + Horti + Livestock + Forestry + Fishery + Nursery
Innovations adopted	:	Raising of quality planting material of Arecanut and Coffee
Annual Net Income from IFS	:	5.5 lakhs
Awards received	:	ATMA Best Farmer Award (2023)
Interventions of KVK in fostering IFS(Not more than 4 sentences)	:	Lay outing of IFS unit for establishment of 1 ha with Coffee based cropping system Horti(Coffee, Black pepper) +Livestock (Dairy)+ Cardamom+ Forestry + Fishery + Nursery + vegetables + Fruits). Regular field visits and advisory on nutrition, pest and disease management extended from KVK. Also called him as a resource person for the KVK training programme followed by visit to his IFS plot.





ICAR-KVK, KOLAR

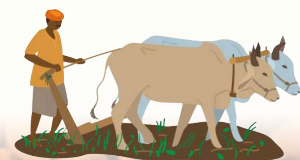
INAUGURATED SIX-DAY RESIDENTIAL TRAINING PROGRAM OF "PASHU SAKHI" MADULE -2

KVK Kolar and the Department of Animal Husbandry and Veterinary Sciences inaugurated a six-day residential training program for "PashuSakhi" Module -2 from February 19th – 24th, 2024 at KVK Kolar. Dr. Ganga Tulasiramaiah, Deputy Director, Department of Animal Husbandry and Veterinary Sciences, Kolar and Dr. Shivanand V. Hongal, Senior Scientist & Head along with other officers of Department of Animal Husbandry and Veterinary Sciences and KVK Kolar participated in the programme. About 30 farm women trainees benefitted from programme.




Capacity development programme on "Recent advances in bivoltine sericulture for sustainable cocoon production"

KVK Kolar organized capacity development programme on "Recent advances in bivoltine sericulture for sustainable cocoon production" at Koladevi village of Mulbagilu Taluk in collaboration with Department of Sericulture, Kolar on 20.02.2024. During the programme Dr T.B. Manjunatha Reddy T. B. Scientist (Plant protection) and Dr. Anil Kumar S., Scientist (Soil Science), KVK, Kolar were participated and delivered a lecture on Integrated Disease and nutrient management in Mulberry. Shri S.N.Srinivas, DDS, Kolar participated as chief guests for the function. Dr. J. B. Narendrakumar, Scientist, REC, Madivala was present during the function. Around 60 sericulture farmers participated and benefitted the programme.



SUCCESSFUL IFS FARMER

Name of the KVK	:	KVK, Kolar
Name of the IFS Farmer	:	K.M.Rajanna 
Address with Contact No.	:	Krishnapura, Kolartaluk and district, Karnataka- 563128
Landholding	:	Total : 11.2 ha Under IFS : 11.2 ha
Farming situation	:	Both Rainfed & irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	<ul style="list-style-type: none"> Adopted low cost ripening chamber technology to ripen his own garden Mangoes and sold ripened Mangoes after packing in 3 kg boxes to Apartments in Bengaluru and online. Out of 3 farm ponds he produces 5 tons of fish every year and earns Rupees 5 lakhs.
Annual Net Income from IFS	:	Rs.50,00,000
Awards received	:	<ul style="list-style-type: none"> MFOI Award (Millionaire farmers of India) -2023 State level krishipandita Award.
Interventions of KVK in fostering IFS	:	Crop rotation & soil test based nutrient application for higher yields






ICAR-KVK, KOPPAL

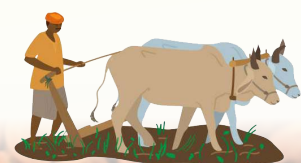
FIELD DAY ON BLACK GRAM VARIETY LBG-791 UNDER NFSM

Black gram (*VignaMungo L.*), is one of the important pulses crop, grown throughout the country. The crop is resistant to adverse climatic conditions and improve the soil fertility by fixing atmospheric nitrogen in the soil. It has been reported that the crop produces equivalent to 22.10 kg of N/ha., which has been estimated to be supplement of 59 thousand tonnes of urea annually. It is generally grown in kharif/rainy and summer season. It grows best in hot and humid condition with ideal temperature range between 25 to 35°C. Black gram does well on heavier soils such as black cotton soils which retain moisture better. The pulse 'Black gram' plays an important role in Indian diet, as it contains vegetable protein and supplement to cereal based diet. It contains about 26% protein, which is almost three times that of cereals and other minerals and vitamins. Besides, it is also used as nutritive fodder, especially for milch animals. ICAR KVK Koppal organised field day on black gram variety LBG-791 under NFSM which was higher in number of branches, pods per plant. Apart from this black gram variety LBG-791 has higher number of seeds per pod and seed weight as compared to local variety. The programme was inaugurated by Dr Radha J Scientist (seed science and technology) explained the different varieties and seed production of black gram. Sri Mahantesh progressive farmers shared his experience of black gram LBJ-791 variety with other farmers. Dr. Kavitha Y Ullikashi Scientist (home Science) explained the processing and value addition of pulses. More than 45 farmers were participated in the programme.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR KVK Gangavathi, Koppal
Name of the IFS Farmer	: Siddanagouda S/O Basavanagouda 
Address with Contact No.	: Yardonavillage, Kartagi Taluk, Koppal dist. Mobile Number: 7892008849
Landholding	: Total : 3.7 ha Under IFS : 3.5 ha
Farming situation	: Irrigated
IFS Model adopted	: Agriculture+Livestock
Innovations adopted	: Started millet primary processing unit. Started natural farming in paddy .
Annual Net Income from IFS	: 436766
Awards received	: 1) Best Farmer award by KSDA Koppal 2) Shrestha Krishika award by UAS Raichur
Interventions of KVK in fostering IFS	: DFI interventions like DSR in paddy and improved paddy varieties GGV10 -9, Brown top millet variety HBR -2, Foxtail millet variety HN -46, Little millet variety DHNM36-3, Kodo millet variety RK3503-25, Establishment millet processing unit and value addition (Millet <i>papad</i>) and scientific dairy management increased in the production of crops and livestock.






ICAR-KVK, MANDYA

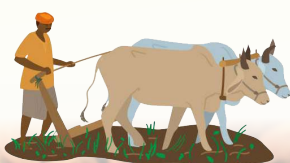
WORKSHOP ON “IMPROVED PRODUCTION TECHNOLOGIES IN PLANTATION CROP”

Workshop on “Improved production technologies in plantation crop” was organized on 10.02.2024 at KVK to the officials from Department of Horticulture, Mandya. The programme was inaugurated by Mrs. Roopa, Deputy Director, Dept. of Horticulture, Mandya. She emphasized on expansion of area under perennial horticulture crops in Mandya district and diffusion of scientific and improved technologies for better adaptation of the same. Dr. Naresh, N.T., Senior Scientist and Head, KVK, V.C.Farm, Mandya in his presidential remarks highlighted scope for secondary agriculture in coconut and other horticulture crops, Role of soil sampling, ways to achieves integrated nutrient management for sustainable plantation crop cultivation was explained by Soil Scientist of KVK, V.C.Farm, Mandya Dr. AtheefaMunawery, Dr. Divya, Scientist (Horticulture) gave information on Nursery Management, Propagation of major plantation crops, improved production technologies in plantation crops. Dr. Suresh.D.K. Scientist (Agril.Extn), briefed about role of FPO’s in mitigating marketing related problems. 31 extension functionaries including SADH, ADHs, AHOs of Horticulture Department presented during the programme.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK, Mandya	
Name of the IFS Farmer	: Mr. Niranjan, H. S.	
Address with Contact No.	: Mr. Niranjan, H. S. s/o Late Shivaramu Honnanayakanahalli, Keragodu Hobli Mandya taluk and district M: 8073484942	
Landholding	: Total : 4.00 ha Under IFS : 4.00 ha	
Farming situation	: Irrigated	
IFS Model adopted	: Agri+Horti+Livestock	
Innovations adopted	: Organic farmer Bullock driven oil Ghana Conserving Hallikar breed	
Annual Net Income from IFS	: 10.0 lakh	
Awards received	: 1)District level award during Krishimela-2020 2)District level Horticulture farmer award	
Interventions of KVK in fostering IFS	: • Value addition to agriculture and Horticulture produce – turmeric powder, curryleaf powder, moringa powder • Go maya products- Deepam, Go maya sticks, Ganesha idols	






ICAR-KVK, MYSURU

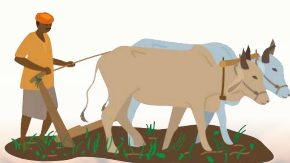
NSC SPONSORED NLM TRAINING ON FODDER PRODUCTION DURING SUMMER AT JSS KVK SUTTUR

ICAR JSS KVK, Suttur in association with NSC, Mysuru on 22-02-2024 organized training program for farmers, dealers, FPO's and SHG's members on fodder production during summer for better management of livestock under National Livestock Mission program. Mr. Subbireddy, Area Manager, NSC, Mysuru briefed about the facilities provided by NSC, E-NAM benefits and seeds available for fodder production at NSC for the farmers. SMS (Animal Science) of JSS KVK gave information regarding different types of green fodder production, utilization of unconventional fodder during summer, silage making and NLM schemes available to start new sheep and goat farming activities. More than 95 farmers, progressive farmers and others were present during the program.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR JSS Krishi Vigyan Kendra Suttur
Name of the IFS Farmer	: Shri Ramesh 
Address with Contact No.	: Rangasamudra village, T Narasipura taluk, Mysuru district, Karnataka State Mobile number : 9964405229
Landholding	: Total : 2 ha Under IFS : 2 ha
Farming situation	: Irrigated
IFS Model adopted	: Agro-forestry based IFS model
Innovations adopted	: <ul style="list-style-type: none"> • He has grown nearly 687 different trees in one hector which includes medicinal, aromatic, spice trees, fruit trees, and ornamental trees • He has opened bandur sheep breeding unit at rangasamudra village to preserve the purity of the breed
Annual Net Income from IFS	: Rs. 6,92,442/-
Awards received	: <ul style="list-style-type: none"> • Shreshtha Kristina award in the taluka and District level award from ATMA DOA Mysuru • Best progressive farmer award from UAS Bengaluru
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Facilitated exhibition of bandur breeds during krishimela at Suttur • Provided fodder seeds CoFS -31 for fodder production and fodder seed supply to other farmers • Resource person for several animal husbandry trainings in KVK • Facilitated farm visits of farmers from other district and other states

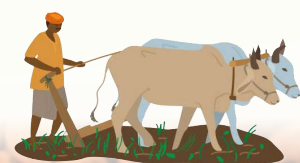





ICAR-KVK, RAICHUR

“IMPORTANCE OF WEATHER FORECASTING ON CROP MANAGEMENT “

ICAR-Krishi Vigyan Kendra, Raichur organized a training programme on “Importance of weather forecasting on crop management” in collaboration with Gramin Krishi Mausam Seva (GKMS), Main Agriculture of Research Station, Raichur on 19-02-2024. Dr. Ashok Hugar, Associate Director Research, Main Agriculture Research Station, Raichur, expressed his view of changing the cropping system is most essential as the change in the climate has become a challenge for sustainable agriculture. Dr.Gururaj Sunkad, Dean (PGS), UAS, Raichur, opined that the integrated crop management practices is essential in this situation to meet the family requirements of the farming community. Dr. A.R.Kurubar, Associate Director Extension, UAS, Raichur, viewed regarding the dry land horticulture is the way for climate change and higher returns. Dr.A.G.Shreenivas, Prof & Head, Dept. Entomology, College of Agriculture, Raichur, he suggested incorporating more of organic way to reduce the cost of cultivation and maximisethe income. Dr.Hanumanthappa Shrihari, Senior Scientist & Head, ICAR-KVK, Raichur, glimpsed about the activities of KVK and its services to farming community. Other scientist Dr.Hemalatha K.J., Scientist (Horticulture), Dr. Sreevani G.N., Scientist (Entomology) & Dr. Shanthappa and more than 75 farmers witnessed the programme and its grand successes.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-Krishi Vigyan Kendra, Raichur
Name of the IFS Farmer	: Sri. Mallikarjun S/o Shekharappa Kalamangi 
Address with Contact No.	: Kalamagi Village, Turvihhal post Tq: Sindhanur, Dist: Raichur Karnataka-584132 Contact: 8746046467
Landholding	: Total:12.4ha Under IFS:2.5 ha
Farming situation	: Irrigated
IFS Model adopted	: Agriculture +Horticulture+ Forestry + Water management + Livestock Sugarcane, Dragon fruit, Banana, Vegetables, millets pulses, oilseeds,Back yard poultry, Goat, Dairy animals& fodder crops.
Innovations adopted	: <ul style="list-style-type: none">• Dry land horticulture• Forestry seedling production• Water management practices• Organic farming practices and input production.• Mechanization in Sugarcane sowing and Harvesting.
Annual Net Income from IFS	: Rs. 28,45,000/-
Awards received	: <ul style="list-style-type: none">• The Best sugarcane producer from sugarcane NLS, Sugar Co.• The best farmer of the district from RSK, Turvihhal• Rising star farmer of the stat (State award)• Super Star Farmer Award, Vijay Karnataka• District billionairefarmer of India award-2023 IARI-PUSA, New Delhi
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none">• Introduction of dragon fruit and seedling production• Drip irrigation in sugarcane production• Vermicomposting unit establishment• Soil test certification and Nutrient management.• Azola unit, silage making and technologies related to fodder management were demonstrated.

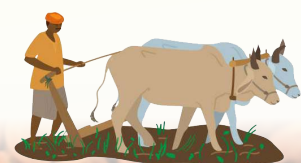





ICAR-KVK, RAMANAGARA

“INTEGRATED PEST AND DISEASE MANAGEMENT IN COCONUT AND ARECANUT”

ICAR-Krishi Vigyana Kendra, Ramanagara in collaboration with Department of Horticulture, Magadi organised one day on campus capacity building programme on “Integrated Pest and Disease management in Coconut and Arecanut”. The programme was inaugurated by Mr. Santosh, SADH, Department of Horticulture, Magadi. On this special occasion Dr. Lata, R. Kulkarni, Senior Scientist and Head expressed that even though coconut is one of the main plantation crop in Ramanagara and farmers are cultivating from many years, the pest and disease occurrence is increasing every year due to improper crop management and arecanut being a new crop in Ramanagara, the area expansion is increasing day by day so it is the need of an hour to know about the cultivation practices, pest and disease management. The resource person of the training programme Dr. Rajendra Prasad, B.S., Scientist (Plant Protection) briefed about the cultivation practices, integrated crop management, the major pest and disease management practices and conducted method demonstration of Root feeding, preparation of Bordeaux mixture, use of traps etc. During this occasion Dr. Sowjanya, S., Scientist (Agricultural Extension), Mr. Nazir, AHO, Department of Horticulture, Magadi, more than 35 progressive Coconut and Arecanut growers participated and were benefitted.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR- KrishiVigyan Kendra Ramanagara
Name of the IFS Farmer	: Mr. Chethan Kumar T.C. 
Address with Contact No.	: Mr. Chethan Kumar T.C. S/o Chandraiah Talavadi, KutagalHobli Ramanagarataluk& district
Landholding	: Total : 8 acre Under IFS : 8 acre
Farming situation	: Irrigated
IFS Model adopted	: Agriculture + Horticulture + Forestry+ Sericulture + Livestock + Fodder
Innovations adopted	: • Innovatively he started cultivating Dragon fruit (in 15 gunta and selling for Rs. 50 / Single Dragon fruit) and Strawberry fruit on trial basis in 10 gunta of land and marketing directly through FPOs Rs. 70/ -/ Box of 250 grams
Annual Net Income from IFS	: Rs. 7,00,000/- /annum
Awards received	: • District level Best Farmer during 2023 -24 awarded during Krishimelaorganised by UASB, GKVK, Bangalore • Vijaya Karnataka Super star award in 2023
Interventions of KVK in fostering IFS	: Being an enthusiastic farmer, he came into contact with KVK, Ramanagara in 2020 as contact farmer and attended many training programme and learnt about nursery management, natural farming, integrated pest and disease management, integrated crop management and Integrated farming system etc.





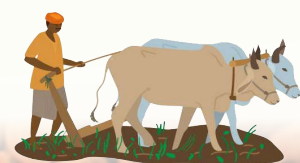
ICAR-KVK, SHIVAMOGGA

SKILL DEVELOPMENT TRAINING PROGRAMME ON INTEGRATED FARMING SYSTEM


Five days skill development training programme was conducted by ICAR-Krishi Vigyan Kendra, KSNUAHS, Shivamogga, from 12.2.2024 to 16.2.2024. Training programme included 37 participants from Shivamogga, Davanagere, Chikkamagalore, Hassan and Uttara Kannada district of Karnataka. Out of 37 participants 31 were men and 6 were women. This programme was sponsored by National Academy of Agricultural Research Management (NAARM) under SCSP Scheme and the programme was coordinated by Dr. Sahana, S., Scientist (Agril. Extension), KVK-Shivamogga. The programme was inaugurated by Director of Education Dr. B. Hemla Naik and he explained about the role of IFS in doubling farmers income. During the situation of scanty rainfall how a farmer has plan for getting the minimum income by adopting different components of IFS. Dr. K.T. Gurumurthy, Director of extension, KSNUAHS, Shivamogga, released a book on IFS and addressed the gathering that due to small holding farming has become un-economical. Smart farming very essential by using available resources for that IFS play an important role. Dr. G.K. Girjesh, Sr. Scientist and Head, ICAR-KVK, Shivamogga graced the function. During the training programme trainees were enlightened about the importance of IFS in sustainable production and how they can able to earn income through diversified cropping. Trainees were also educated about different components of IFS like Mushroom cultivation, Bee keeping, Dairy, poultry, sheep and goat rearing, Fisheries, importance of nutritional garden and protected cultivation. Trainees were practically involved in seed and seedling treatment with bio fertilizers, silage preparation, practical demonstration about vermicomposting, grafting technique and preparation of Jeevamurtha and Beejamurta. One day exposure visit was organized for the trainees to IFS farmer Mr. Siddalingeshwara's field who has adopted many IFS component in his farm for getting practical knowledge about how different components could be managed with the available resources and management of Labour and planning for getting sustainable income. After the training programme certificated was issued to the participants along with Minimum inputs and resource to initiate IFS in their farm by giving them earth worms, Biofertilizers, chicks, grafted fruit seedlings and kitchen garden kit. This programme was graced by Dr. Balakrishnan, Principal Scientist and Chairman SCSP Schem, NAARM, Hyderabad, and addressed the farmers about importance of IFS in effective utilization of resources and also how they can plan the different components of IFS in small holding also by giving example of one acre model.

Contributors

- Dr. G. K. Girijesh, Senior Scientist and Head
- Dr. Girish, R., Scientist (Plant Protection)
- Dr. Anjali, M. C., Scientist (Soil Science)



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK, Shivamogga
Name of the IFS Farmer	: Mr G M Raghu 
Address with Contact No.	: G M R farm, Sogane, Shivamogga 9448144184, 9844644185
Landholding	: Total : 1.72 ha Under IFS : 1.72 ha
Farming situation	: Irrigated
IFS Model adopted	: Agri+Horti+Livestock
Innovations adopted	: <ul style="list-style-type: none"> • Integrated farming system – plantation Arecanut, coconut with multistoried crops like Black pepper, Banana, Nutmeg, cinnamon. • Enriched compost/vermicompost • Integrated nursery – seedlings of plantation crops and ornamentals, flowers and allied nursery activities • Landscaping
Annual Net Income from IFS	: 12.56 lakhs
Awards received	: <ul style="list-style-type: none"> • Shresta kisan puraskar (Gujarath) • Krishi Pandit • Millionaire Farmer from Mahindra
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Multi storied cropping • Landscaping • Preparation and use of enriched compost • Horticulture nursery like Mango, arecanut, appemidi, ornamental plants etc





ICAR-KVK, TUMAKURU-1

HONEY BEE TRAINING PROGRAMME

ICAR-KVK-Tiptur, Tumkur-1 in collaboration with Swarnabhoomi FPO, Dabbegatta, Turuvekere Taluk organized Honey bee training programme on 23/02/2024 at KVK premises. Sri Siddarameshwara, Circle inspector, Tiptur rural, Tiptur inaugurated the programme. Dr. V. Govinda Gowda, Senior Scientist and Head, has given introductory remarks on importance of honey bee keeping as a source of income generating activity. The Honey bee expert, Mr. Shankar Narayan, Department of Apiculture, University of Agricultural Sciences GKVK, Bangalore delivered a lecture on Honey bee keeping and practical session was carried out for Honey bee production. The KVK staff and 102 farmers were participated in the training programme.




Training programme on Scientific cultivation and plant protection measures in Lime

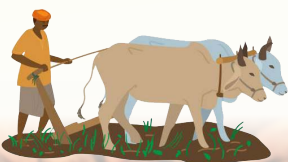
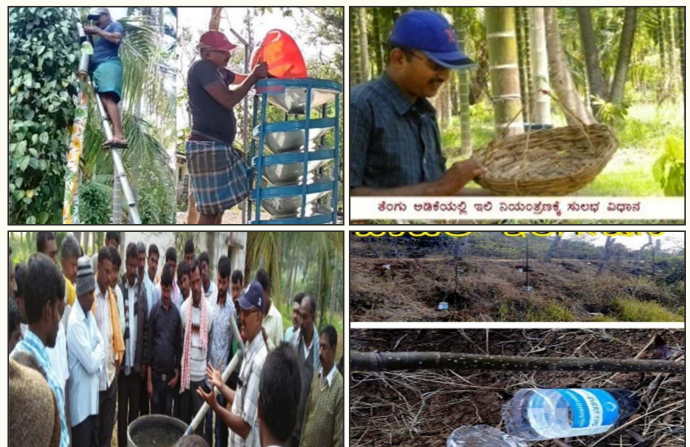
ICAR-KVK-Tiptur, Tumkur-1 conducted training programme on "Scientific cultivation and plant protection measures in Lime" on the occasion of 16th installment release of PM Kisan Scheme programme. Dr. Keerthishankar, K., Scientist (Horticulture) delivered lecture on lime cultivation, propagation techniques, varieties, plant protection measures etc. Dr. Satisha, H.S. Farm Manager, explained about vermicompost preparation. Dr. Manoj, H., Scientist (Plant Protection) explained about KVK activities. The KVK staff and more than 45 farmers were participated in this training programme.

{Dr. V. Govinda Gowda, Senior Scientist and Head
Dr. Keerthishankar, K., Scientist (Horticulture)
Dr. Nithyashree, K., Scientist (Home Science)}



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK-Tiptur, Tumkur -1
Name of the IFS Farmer	: S.R. Arun Kumar 
Address with Contact No.	: S/o late Ramakrishna, S.G., Shettikere, Chikkayakanahalli taluk -572226 Contact No: 9900824420
Landholding	: Total : 07ha Under IFS : 07 ha
Farming situation	: 56 varieties of fruits were grown as intercrop in between forest trees
IFS Model adopted	: Agri+Horti+Livestock+Forestry
Innovations adopted	: Bottle irrigation system was designed • Developed pepper plucking and harvesting equipment
Annual Net Income from IFS	: 25 lakh
Awards received	: • Millionair farmer of India award - 2023 • ASPEE LM Patil Farmer of the year Award-2022
Interventions of KVK in fostering IFS	: • Eco friendly control of rodents in plantation crops, Practicing IPM through installation of traps, • Organic, Eco friendly, economically viable method and low cost technology • Use of bio fertilizers, jeevamrutha and beejamrutha for crops






ICAR-KVK, TUMAKURU-2

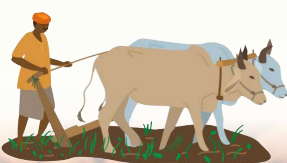
TRAINING PROGRAMME

On February 22, 2024, a one-day Sponsored Training Programme titled "Integrated Crop Management" was held in collaboration with the Command Area Development Authority (CADA) Mysore. Dr. Loganandhan, N., Principal Scientist and Head, inaugurated the program in the presence of Mr. Maruthi, ADA of CADA in Tumakuru. 40 farmers from Gubbi and Turavekere, Tumakuru district participated in the event, which was coordinated by KN Jagadish from ICAR-KVK in Hirehalli, Tumakuru.



SUCCESSFUL IFS FARMER

Name of the KVK	:	Tumakuru II
Name of the IFS Farmer	:	Mr. Hemanth 
Address with Contact No.	:	S/o Ananthamurthy Seethakallu Village, Tumkuru taluk 8197375296
Landholding	:	Total : 2.5 ha Under IFS : 1 ha
Farming situation	:	Irrigated Borewell and Rain water harvesting –Farm Pond
IFS Model adopted	:	Agri+Horti+Livestock+Forestry etc.
Innovations adopted	:	Beekeeping and Banana Paired row planting system
Annual Net Income from IFS	:	The farmer used to earn a total income of Rs. 2,26,610/- from Arecanut, Coconut, Banana cultivation, dairy farming and minor millets. After intervention of KVK, farmers' income enhanced to Rs.3,42,810/- by implementing the INM, IPDM, Nursery plants raising, and increase in number of cows and mechanization in arecanut processing and value addition
Awards received	:	Taluk Level Progressive Award (Minor Millets)
Interventions of KVK in fostering IFS	:	Use of Arka Microbial Consortium in banana, arecanut and coconut and Neem Soap in vegetable crops.





ICAR-KVK, UDUPI

COCONUT SEMINAR

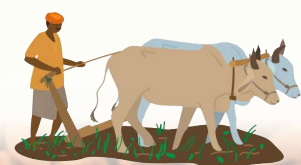
Coconut Development Board Sponsored “Coconut Seminar” was organized on 20.02.2024 at Mandarti. The programme was inaugurated by Mr. G. Dhanashekar, Senior Field officer, CDB, Regional office, Bangalore. Dr. Dhananjaya B Senior Scientist & Head, KVK Brahmavara presided over the function. There were 50 participants in the seminar. The participants were told about Integrated crop management, crop protection, value addition and intercrops in coconut.

Dr. Revanna Revannavar Professor of Entomology ZAHRS, Brahmavara served as resource person. Dr. Raviraja Shetty G, Scientist (Horticulture) organized the seminar and served as resource person.




Training programme on Biofloc Technology

A training programme on Biofloc Technology in aquaculture was organized on 17.02.2024 at Kukkehalli village of Udupi district. The programme was inaugurated by the award winning progressive farmer Mr. Mahesh Hebbar. Dr. Sadananda Acharya B served as resource person he explained on how to reduce production cost by reducing the feed cost. This can be achieved by adapting latest Biofloc technology in which the waste ammonia is converted into organic flocs of microbial biomass that can be used as food by fish. There were 50 participants in a training programme and they were demonstrated with biofloc fish tank culture.



SUCCESSFUL IFS FARMER

Name of the KVK	: KVK Udupi
Name of the IFS Farmer	: Mr. Shambu Shankar Rao 
Address with Contact No.	: Kalludevastana, P.O.Mandarathi, Brahmavara TQ, Udupi, Karnataka 9844299930
Landholding	: Total : 3.8 ha Under IFS : 3.8 ha
Farming situation	: Upland and midland
IFS Model adopted	: Agri+Horti+Livestock
Innovations adopted	: <ul style="list-style-type: none"> • Waste recycle by unique composting method • Sprinkler irrigation of livestock waste/manure as jeevamrith
Annual Net Income from IFS	: 24 lakh Ruppes
Awards received	: <ul style="list-style-type: none"> • KrishiPanditha award • Millionaire farmer award
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • KVK-Udupi scientists have supported the farmer in development of composting unit that utilizes farm waste and local municipal waste from temples and schools. • Scientists have supported in intercropping of pepper with coconut and aracanut in this IFS farm.



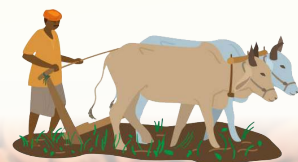


ICAR-KVK, UTTARA KANNADA


25TH SAC MEETING

The Scientific Advisory Committee Meeting of ICAR KVK Uttara Kannada was conducted on 16.01.2024 at KVK Sirsi. The SAC meetings are conducted to get necessary guidance and support to carry out the mandated activities of KVK in a more planned and scientific manner. At the outset, Dr. Roopa S. Patil Sr. Scientist and Head, KVK Uttara Kannada, Sirsi welcomed the delegates and members of SAC. She presented the Action Taken Report of 24th Scientific Advisory Committee Meeting and progress report from 01.11.2022 to 21.12.2023.

Dr. P.L, Hon'ble Vice Chancellor, UAS, Dharwad graced the event as president of SAC and released two extension folders on 1) Management of Arecanut leaf spot disease 2) Management of Lumpy skin diseases in dairy animals and 3) Balcova bamboo. In his presidential remarks, he stressed on development of alternate system through integration of agri/horti/silvi/livestock components for the farming community. Also suggested to provide technical guidance and skill activities to be organized on value addition to agri / horti / forest produce. Awareness programmes related to conservation of bio diversity in collaboration with developmental departments need to be organized on massive scale. Dr. B. D. Biradar, Director of Research stressed on conservation of traditional paddy varieties. Dr. S. S. Angadi, Director of Extension, suggested to give more emphasis on soil and water conservation and use of bio inputs. Dr. K. Thimmappa, Principal Scientist and Nodal officer, ATARI, Bengaluru highlighted the need of value addition and to organize more skill programmes under ARYA project. The detailed discussions were held on introduction of Balcova bamboo, introduction of exotic fruits, honey quality testing parameters etc. SAC members viz, JDA, Karwar, DDH, Sirsi, DD Veterinary department, DDM NABARD, Senior scientist from ICAR- CMFRI regional centre, Karwar, FPO representatives, progressive farmers and farm women participated in the event and the meeting was concluded with vote of thanks by Dr. Ranganath G. J. Scientist (Animal Science), KVK Sirsi.



SUCCESSFUL IFS FARMER

Name of the KVK	: Uttara Kannada
Name of the IFS Farmer	: Smt. Annapurna Nagaraj Benni 
Address with Contact No.	: At Post : Koppa Taluk : Mundagod District : Uttarakannada
Landholding	: Total : 4.80 ha Under IFS : 4.80 ha
Farming situation	: Rainfed, Irrigated (Borewell, Bachanaki dam and Farm pond)
IFS Model adopted	: Agri+Horti+Forestry, Agri+Horti+Livestock
Innovations adopted	: • Effective utilization of fallen areca leaf sheath for making different size plates, spoons, cups etc. • Effective utilization of space between arecanut in cultivation of Turmeric, Colocasia etc.
Annual Net Income from IFS	: 17,80,000.00
Awards received	: • Taluk level ATMA award 2021 -22 • District level Best farm woman award from UAS Dharwad 2022-23
Interventions of KVK in fostering IFS	: • KVK Uttara Kannada Sirsi Scientists regularly provide consultancy services through field visits, phone calls, whatsapp etc for problematic issues related to arecanut, paddy, scientific management of bee colonies, poultry etc. Also provided opportunity for cross learning among IFS farmers and their IFS farm is used as a role model for fellow farmers. She is resource person for many of the training programmes especially for Krishi Sakhis.






ICAR-KVK, VIJAYAPURA-1

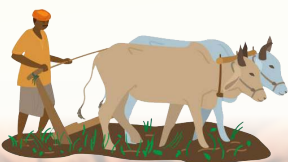
THREE DAYS TRAINING ON “ ORGANIC MANURE PRODUCTION”

ICAR-KVK Vijayapura-1 organized three days skill training on 22.02.2024 to 24.02.2024 about “organic Manure production” for SC farmers under SCSP 2023-24 programme at KVK. Nowadays unemployment and youth losing in interest towards agricultural are the problems facing in India and Karnataka also, by reason of this KVK organized three days training based on the needs of participants. Among three days production different types of organic manures viz., vermin compost, FYM and benefits of using organic manure in present and future. Each day had two brief theoretical classes and hands on experiences were conducted by Dr. Shilpa Chogatapur and Dr. Prakash. H.T and Smt. Shweta A. Mannikeri organized the training under SCSP. A total 33 SC farmers were participated in this training.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK-Vijayapura-I
Name of the IFS Farmer	: Shri. Parveen Basavaraj Baligeril 
Address with Contact No.	: Parveen Basavaraj Baligeril At post: Tadalgi Tq:Kolar Dist. Vijayapura 9972112945
Landholding	: Total : 10 ha Under IFS : 1.6 ha
Farming situation	: Irrigated
IFS Model adopted	: Agri+Horti+Silvi+Livestock
Innovations adopted	: <ul style="list-style-type: none"> • High density planting method in Mango and guava • Hightech sheep and poultry unit
Annual Net Income from IFS	: 15,00,000
Awards received	: <ul style="list-style-type: none"> • State level Krishi Pandit Award -2023 • Best horticulturist Award (UHS, Bagalkot)
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Skilled training on scientific rearing of sheep and poultry • Technical guidance for cultivation of horticulture crop • Technical guidance in canopy management





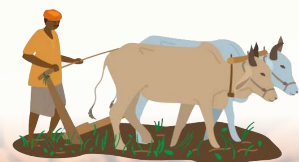
ICAR-KVK, VIJAYAPURA-2

One day workshop on “Bee keeping possibilities and opportunities in Vijayapura District” One day district level workshop on “Bee keeping possibilities and opportunities in Vijayapura District” organized on 16.02.2024 at I.C.A.R. K.V.K. Vijayapura-II (Indi) Dr. Heena M. S. Scientist (Horticulture), I.C.A.R. K.V.K. Indi welcomed everyone for the workshop. Dr. Shivashenkaramurthy M. Senior Scientist and Head, I.C.A.R. K.V.K. Indi gave introductory words about the workshop. This program was inaugurated by Dr. R. B. Belli, ADE, Vijayapura and other dignitaries present on the dias by watering the sapling. Mr. Vikas Rathoda, AGM, NABARD Vijayapura spoke about the financial facilities available from NABARD Bank for bee farming and other sub-sectors. Another Chief Guest Shri. Srinivasa K. R. Field Marketing Officer, Mahadhana Agritech Ltd., Vijayapura spoke and utilize the training and practice bee farming in their field. Dr. Chandrakant Pawar, Deputy Director of Agriculture-II Indi appreciated the effort of KVK by bringing honeybee practicing farmer from sirsi, Entomologist from Sirsi and bank official in single platform to get full knowledge about the honey bee cultivation in this region.


Later, the main event of the program was the technical conference on why honey farming is needed by Dr. Shivashenkaramurthy M. Senior Scientist and Head, I.C.A.R.-K.V.K. Indi said that there is no problem in the market as there is always demand for honey products. Farmers can get assured income from this subsidiary agri allied activity and gave details about marketing information to farmers. Later, Mr. Madhukeshwar Hegde, Progressive Farmers Bee Cultivation, Sirsi spoke about methods of bee farming and value added products of honey prepared by him honey, sweet honey jam, different flower honey, lemon ginger jam etc and shared his experiences with farmers.

Later, Dr. Roopa S. Patil, Senior Scientist and Head, I.C.A.R. K.V.K. Sirsi gave a lecture on the varieties of honey and answered the questions of the farmers. In this workshop more than 100 farmers participated. This program was organized by Dr. Veena Chandavari. Scientist (Home Science), K.V.K. Indi. Technical assistance by Mr. Majeed G. Technical Officer (Computer), KVK, Indi. The programme ended with vote of thanks by Dr. Prakash G. Scientist (Agronomy), K.V.K. Indi gave vote of thanks.

Contributors : Dr. Shivashenkaramurthy M.,
Dr. Prakasha G and Mr. Majeed G



SUCCESSFUL IFS FARMER

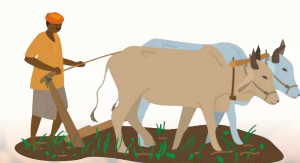
Name of the KVK	:	ICAR-KVK Vijayapur-II
Name of the IFS Farmer	:	Iranna Mallikarjun Kudari 
Address with Contact No.	:	
Landholding	:	Total :10.8 ha Under IFS : 10.8 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	<ul style="list-style-type: none"> 80% organic grape raisin production without GA application Using his own organic products for pest and disease control in grape
Annual Net Income from IFS	:	50lakh
Awards received	:	<ol style="list-style-type: none"> State Level Krishi Pandit Award Dr. J K Veeresh State level Integrated Farming Award by UAS Bangalore
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> Provided vermicompost production training Guided on organic cultivation of grapes Introduced improved varieties of Groundnut, Chick pea and Dicoccum Wheat Use of vermiwash in grapes






ICAR-KVK, YADAGIRI

ICAR- KVK, Yadgir organized two days workshop and capacity development programme on Bio char production and Carbon trading in rajankolur village . The programme was inaugurated by Honorable Vice Chancellor, Dr. M. Hanumanthappa, UAS, Raichur and presided by Dr. V.C.Patil, Retired professor of Agronomy & Managing Director of Rajakolur Progressive FPO. The programme was emphasized on advances in production of biochar and importance of carbon trading in the present scenario for crop residual management to enhance the soil fertility and increase the productivity in crops. The hands on training in biochar production enlightened the farmers in a new direction to think and progress in crop residual management to avoid environmental pollution by burning crop residues in the fields. Honorable Board member Shri Mallikarjun, DR. S.B.Goudappa, Director of Extension , UAS, Raichur, Dr. P. H. Kuchanur Dean (Agri.), A.C. Bgudi , Dr. Nemichandrappa Dean (Agri. Eng.), Agri. Eng. College, Raichur and 110 farmers participated in the programme.. The scientists also shared the technical knowledge and skill of biochar production to the farmers participated in the programme.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, YADGIR	
Name of the IFS Farmer	:	Bagappa Yadav	
Address with Contact No.	:	Rattal village Shorapur taluk Yadgir	
Landholding	:	Total : 3.5ha Under IFS : 1.5 ha	
Farming situation	:	Irrigated	
IFS Model adopted	:	Agri+Livestock	
Innovations adopted	:	Stall fed sheep and goat rearing unit Fodder enrichment and vermin composting	
Annual Net Income from IFS	:	3.85 lakhs	
Awards received	:	1. Krishika Ratna award 2. Shresta Krishika	
Interventions of KVK in fostering IFS	:	Establishment of fodder cafeteria Training on stall fed sheep and goat rearing management practices. Vermi composting Enrichment of FYM with bio agents for management of soil borne diseases	





ICAR-KVK, ALAPPUZHA

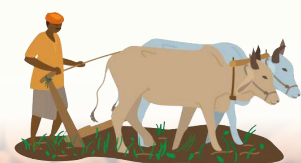
FRIENDS OF COCONUT TREE (FOCT) PROGRAMME CONDUCTED

KVK-Alappuzha in collaboration with Coconut Development Board, Kochi organized the six days long capacity building program on Friends of Coconut Tree (FoCT) for twenty participants from Muhamma and Thanneermukkom panchayaths during 12th to 20th February, 2024. The skill set for learning included climbing coconut tree using machine, scientific coconut cultivation practices like selection of mother palm, seed nut collection, coconut nursery raising, selection of seedlings, nutrients, pests, and disease management of coconut palms, identification of maturity of nuts, harvesting etc. In addition to these technical sessions, trainees were empowered on soft skills like better communication skills, positive thinking, and personality development. They were also exposed to different social security measures, insurance, banking aspects, thrift savings, safety measures and first aid. The valedictory programme was attended by Smt. Sasikala, President; Smt. Shymol, Vice President; Smt. Swapna Manoj, Ward member; and Sri. Joseph R Jefry, Agri. Officer, Thanneermukkom Grama Panchayath, and Smt. P. M. Krishna, Agricultural Officer, Muhamma. Dr. P Muralidharan, Principal Scientist and Head, KVK and Smt. Mini Mathew, Asst. Director (Publicity and Public relations), CDB addressed the participants and briefed about the importance of the FoCT program and the responsibilities and commitments expected from them. Climbing machines and accident insurance coverage worth Rs. Five lakhs were provided to all the participants. The participants were very much happy and thrilled with the programme and ensured to act as true friends of coconut tree for the benefit of farming community. Sri. Rajeev M S, Subject Matter Specialist (Agronomy) and Dr. T Sivakumar, Subject Matter Specialist (Agri. Entomology), KVK coordinated the programme.


(M. S. Rajeev, SMS and P. Muralidharan, Head)



Kokothamangalam, Kerala, India



SUCCESSFUL IFS FARMER

Name of the KVK	: Alappuzha
Name of the IFS Farmer	: C G Prakasan 
Address with Contact No.	: Chemmanattu veedu, Mayithara Market PO, Cherthala, Alappuzha Dt. 9846136793
Landholding	: Total : 2.6 ha Under IFS : 2.5 ha
Farming situation	: Coconut based integrated farming system
IFS Model adopted	: Agri+Horti+Livestock+Fishereis
Innovations adopted	: - Rainshelter vegetable cultivation - Organic vegetable cultivation
Annual Net Income from IFS	: 5.9 lakhs
Awards received	: - Akshyasree award for best organic farmer award state level (2013) - Honored by LSGD for best IFS farmer (2022)
Interventions of KVK in fostering IFS	: In 2011 he joined as a partner of the 'Coconut Based Integrated Farming System (CBIFS)' demonstration which was a flagship programme of KVK-Alappuzha. In his plot of 2.5 acres, CBIFS model was established by introducing the missing components like integration of duck and fish, Biogas unit, Rain shelter for vegetable cultivation and backyard poultry unit. Meanwhile he attended many training programmes organized by the KVK especially on vegetable cultivation and organic practices. In his remaining 4.5 acres of land he follows the paddy-vegetables sequence. Scientists from KVK frequently visited his plots and provided advisories on crop and animal Husbandry practices.





ICAR-KVK, ERNAKULAM

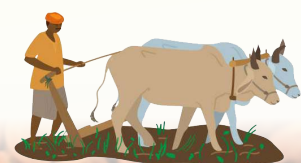
VISIT OF IDUKKI FARMERS TO KVK ERNAKULAM

On February 20th, a delegation of 27 farmers from the Elamdesham block in Idukki participated in an exposure visit to KVK Ernakulam. The visit was sponsored by the Agricultural Technology Management Agency (ATMA), Idukki. During their visit, Shri. Shoji Joy Edison, horticulture expert from KVK Ernakulam, provided insights into the various activities, special programs, and farmer participatory initiatives undertaken by the KVK. The visit also included a tour of the CMFRI Museum and Agricultural Technology Information Centre.




Demonstration of sugarcane farming and establishment of jaggery production unit.

The Ernakulam KVK has established a jaggery production unit in Alangad near Ernakulam in continuation of the demonstration of sugarcane farming in the locality. KVK planted the CO 86032 variety, a high-yielding and disease-resistant sugarcane strain released by ICAR-Sugarcane Breeding Institute, Coimbatore, specifically for Jaggery production. The primary goal of this demonstration is to produce chemical-free, high-quality Jaggery and establish a branded marketing channel for Alangadan Sharkara, potentially earning a Geographical Indication (GI) tag in the future. Ernakulam KVK envisions that this sugarcane farming demonstration, coupled with an operational Jaggery unit and branded marketing, will motivate local farmers to reengage in sugarcane cultivation.



SUCCESSFUL IFS FARMER

Name of the KVK	: ICAR-KVK Ernakulam
Name of the IFS Farmer	: Smt. Sulfath Moideen 
Address with Contact No.	: Kattuparambil House, Aniyal East Road, Edavanakkad PO, Ernakulam District, Kerala, Pin- 682 502. Phone : 9400589343
Landholding	: Total : 0.6 ha Under IFS : 0.4 ha
Farming situation	: Irrigated, homestead
IFS Model adopted	: Agriculture+ Horticulture+ Livestock
Innovations adopted	: 1) Cultivation and supply of rare species of vegetables with medicinal value like Vadarmanjal turmeric, black ginger and Ponnankanni amaranthus (leafy vegetable) and other medicinal plants. 2) Developed 110 Youtube videos on different agricultural and allied sciences technologies.
Annual Net Income from IFS	: 6 lakhs
Awards received	: <ul style="list-style-type: none"> • Best Rooftop farmer in Kerala during 2020-21 • 2nd prize in the state awards category during 2019-20 for Best vegetable farmer
Interventions of KVK in fostering IFS	: 1) She has been KVK's partner farmer since 2014 and has been involved in various On farm testings and front line demonstration programmes. 2) She has associated in programmes like rainshelter cultivation of vegetables, testing of fish silage based foliar spray, popularization of Chabro poultry, Nandanam quails, Black soldier fly larvae production, etc. 3) She has also maintained a parent stock of Kadaknath poultry in her farm.





ICAR-KVK, IDUKKI

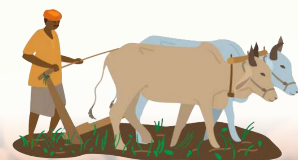
BUSINESS INAUGURATION OF KVK'S FPO ENTITLED "DEVIKULAM BLOCK FARMERS PRODUCING AND MARKETING COOPERATIVE SOCIETY LIMITED I 785

ICAR –KrishiVigyan Kendra, BSS, Idukki as Cluster Based Business Organization (CBBO), has successfully registered our FPO entitled Devikulam Block farmers producing and marketing cooperative society Limited I 785 for the benefit of farming communities under Devikulam Block. The FPO has been registered under the Cooperative society's act of Kerala 1969. KVK Works for adding up Farmer members with an above 300 for the equity benefits of farmers. This FPO scheme is funded by National Cooperative Development Corporation (NCDC) which is the empanelling organization for our CBBO. This FPO will work as per the rules and regulations of cooperative society under Registrar of Cooperatives societies. The Business inauguration of FPO was done by Sri. Sreedharan, Regional Director, NCDC, Trivandrum under the presence of Dr. R Marimuthu, Senior Scientist and Head, ICAR-KVK Idukki on 20.02.2024. Special address was delivered by Ms. Ashiba A, Subject Matter Specialist (Agronomy) and CBBO Expert, KVK Idukki. The FPO President, Sri. Sajeevan P S felicitated the programme. 10 Board of directors, CEO and accountant of the FPO discussed the business and DPR with NCDC officials.


Name of the contributors:

Ms. Preethu K Paul, SMS (Agricultural Extension), KVK Idukki

Ms. Ashiba A, SMS (Agronomy) KVK Idukki



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KrishiVigyan Kendra, BSS, Idukki
Name of the IFS Farmer	:	Tomy M M 
Address with Contact No.	:	Manikkombel House, Ponmudi P.O., Idukki district, Pin code: 685563, Contact No. 9747692270
Landholding	:	Total : 1.4 ha Under IFS : 1.2 ha
Farming situation	:	Rainfed
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	Application of micronutrient mixtures for small cardamom and nutmeg developed by ICAR- IISR, Calicut
Annual Net Income from IFS	:	10 Lakhs
Awards received	:	1) Karshakadina award by Department of Agriculture, Kerala in 2022 2) Incentive-Subhiksha Kerala IFS scheme award in 2023
Interventions of KVK in fostering IFS	:	1) Provided guidelines for the recycling of waste biomass through vermicomposting. 2) Added rabbit unit to the livestock component with the help of KVK IFS scheme 3) Added azolla unit to the IFS system with the help of KVK IFS scheme 4) Capacity building programs on IFS



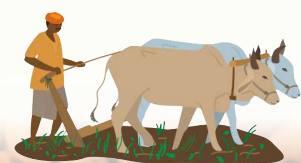


ICAR-KVK, KANNUR


ARYA ENTREPRENEUR'S MEET

An entrepreneur's meet was organized in Krishi Vigyan Kendra Kannur for bee keeping entrepreneurs on 28th February 2024. Dr. Manju K.P., Assistant Professor (Entomology), KVK Kannur, delivered the welcome address. The event was inaugurated by Dr. Jayaraj P., Programme Coordinator, KVK Kannur. Its objective was to unite bee-keeping farmers from Kannur district under one roof. Approximately forty bee farmers from Kannur district attended the programme. Dr. Jayaraj P. presented them with an innovative business plan for bee farming.

Entrepreneurs discussed their individual challenges, strategies for overcoming them, and their aspirations. They also shared insights into their respective fields and exchanged knowledge. Nearly half of the participating farmers had initiated beekeeping with financial support from KVK Kannur's ARYA project the previous year. During the meeting, it was agreed to select interested farmers for beekeeping and provide them with bee colonies to establish an additional source of income.



SUCCESSFUL IFS FARMER

Name of the KVK	: KVK Kannur
Name of the IFS Farmer	: Aneesh P. B. 
Address with Contact No.	: Paruvilankal House, Thabore P. O., Cherupuzha, Kannur (Dist), PIN-670511 Ph No. 9744568937
Landholding	: Total :14 ha Under IFS : 14 ha
Farming situation	: Irrigated
IFS Model adopted	: Agriculture+Horticulture+Livestock+ Fisheries+Forestry
Innovations adopted	: Climate smart agriculture-Weather station "Farmers Assist" mobile application for personalized advisories Automatic fish feeder
Annual Net Income from IFS	: 35 Lakhs
Awards received	: • Karshakashree Award 2024 • Karshakothama Award 2020
Interventions of KVK in fostering IFS	: • Scientific cultivation of crops using Standard Operating Protocol provided by KVK. • Adoption of agro advisories through ICT technologies like mobile application developed by Deep Flow Technologies, an agri startup with technical support from KVK.





ICAR-KVK, KOLLAM

EMPOWERING IFS-MASTER FARMERS: A DUAL TRAINING ENDEAVOUR

Krishi Vigyan Kendra Kollam orchestrated a transformative capacity building program spanning nine days, targeting Integrated Farming System (IFS) master farmers. Divided into two focused segments, the initiative seamlessly integrated agriculture and artistry, showcasing the institute's commitment to holistic farmer development.

Segment 1: Flavourful Journey in Value Addition

Integrated Farming System (IFS) farmers are integral to the agricultural landscape, embodying a holistic approach to cultivation. Through a five-day program focused on the value addition of fruits and vegetables, 20 enthusiastic IFS master farmers engaged in a transformative learning experience at the institute's premises. This initiative marked a significant stride towards promoting sustainable and value-added agricultural practices.

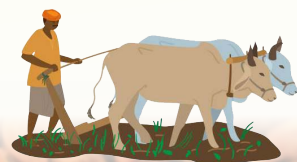
Underpinning this endeavour was the strategic insight gained by IFS farmers into incorporating value addition techniques, extending crop lifespan, and diversifying offerings. This approach, aligned with sustainable practices, not only opens new income avenues but also propels farmers into niche markets, enhancing the overall economic viability of their farms. The training, facilitated by KVK, went beyond economic benefits, emphasizing considerations like post-harvest losses, ensuring food security, and meeting evolving consumer demands.

The comprehensive curriculum covered a diverse range of theories and hands-on techniques. It included the production of squash, crush, and syrup from banana pseudostem, pineapple, amla, watermelon, and leafy vegetables. Additionally, farmers received education on food safety, food standards, packaging, labelling, and marketing intricacies. These elements collectively aimed to enhance the quality and marketability of their agricultural products, fostering a more resilient and prosperous agricultural community.


Segment 2: Blooms and Bounties in Flower Arrangement and Fruit Basket Making

Krishi Vigyan Kendra Kollam seamlessly transitioned into the second four-day program, attracting the same group of 20 IFS master farmers. Aptly titled "Blooms and Bounties: The Artistry of Flower Arrangement and Fruit Basket Making," this program, held at the institute's premises, focused on refining the farmers' artistic skills.

In this segment, participants delved into comprehensive training on post-harvest management of cut flowers. They received hands-on guidance in creating captivating cut flower arrangements, mastering techniques for crafting exquisite displays using dried flowers. Practical demonstrations on stage decoration added a versatile dimension to their newfound artistic abilities. The knowledge imparted during this segment not only enriched the farmers' skills in flower arrangement but also equipped them with valuable insights into the post-harvest management of cut flowers, broadening their expertise in horticultural practices. Top of Form Under the adept guidance of Mrs. Shamsiya AH, Assistant Professor of Community Science, both programs were harmoniously coordinated. The program concluded with a dual-certificate distribution ceremony, acknowledging the active participation and successful completion of both segments by the master farmers. This interdisciplinary initiative not only expanded the skill set of farmers but also fostered a creative connection between agriculture and art.



SUCCESSFUL IFS FARMER

Name of the KVK	:	Krishi Vigyan Kendra, Kollam
Name of the IFS Farmer	:	Shri. Jacob Thomas 
Address with Contact No.	:	Jacob Thomas, Mammoottil, Edyam P O. Valakom, 691532 8301927276
Landholding	:	Total : 1.82 ha Under IFS :1 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	<ul style="list-style-type: none"> Vertical dead pole made of cement:Black pepper cultivation. Grafting in Black pepper Vanilla cultivation
Annual Net Income from IFS	:	3 Lakhs
Awards received	:	<ol style="list-style-type: none"> 1. Best Organic farmer Award of Edamulakkal panchayat, Achal Block, Kollam-2021 2. Best Organic farmer Award of Edamulakkal panchayat, Achal Block, Kollam-2022
Interventions of KVK in fostering IFS	:	<ol style="list-style-type: none"> 1. OFT on Assessment of HYV of black gram in Kollam dist 22-23 2. FLD on ICAR -CIFA improved Catla for freshwater farming in Kollam dist. (2022-23) 3. Supply of demonstration inputs to farmers as part of Natural farming project 22-23. 4. Demonstration on Integrated Crop Management in Banana Var. Nendran in Kollam district (2023-2024). 5. Demonstration of Bachelor's button (Gomphrenaglobosa L.) variety AGS -3 in Kollam district (2023-2024). 6. FLD on popularisation of small millets in Kollam dist as part of AKC activity 7. Demonstration of Cassava Mosaic disease resistant variety Sree Raksha





ICAR-KVK, KOTTAYAM

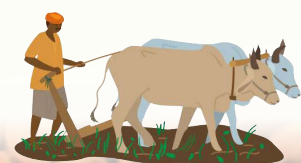
NATIONAL SCIENCE DAY CELEBRATIONS

National Science Day 2024 was celebrated on February 28 at KVK Kottayam to raise awareness about the importance of science and its role in improving the lives of people. The day is celebrated in honour of the Nobel Prize-winning Physicist Sir CV Raman who discovered the 'Raman Effect'. Elocution and essay writing competitions were conducted for school students under the theme "Indigenous Technologies for Viksit Bharat" to commemorate the day.




Training to SC Beneficiaries under NICRA Project

For empowering the Scheduled Caste families in the NICRA village, Kumarakom a training programme was conducted at Krishi Vigyan Kendra Kottayam under Scheduled Caste Sub Plan of NICRA project on 16.02.2024. LSGD officials were actively involved in the programme for ensuring the participation of maximum beneficiaries. The programme was inaugurated by Smt. K.V.Bindu, District Panchayth President, Kottayam. Around seventy five members attended the training programme. Know-how on the scientific methods of vegetable cultivation and importance of nutritional diet were imparted. Fruit plants and farm inputs including Guava layer, Mango graft, Garcinia graft, Coir pith compost, Trichoderma enriched cowdung, Pseudomonas, Multi nutrient mixtures (Ayar, Sampoorana KAU Multi mix for Vegetables), Fish Amino Acid were distributed to the participants. Sri. Manuel Alex, SMS (Horticulture) conducted a session on homestead gardening to the farmers.



SUCCESSFUL IFS FARMER

Name of the KVK	:	KVK Kottayam
Name of the IFS Farmer	:	Mr. Joy Varkey 
Address with Contact No.	:	Shalom Manzil, Thalayazham Mob: 702549216
Landholding	:	Total : 0.8 ha Under IFS : 0.75 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	Crop diversification, included different animal components, Value addition of agricultural products
Annual Net Income from IFS	:	Rs. 235000/-
Awards received	:	Panchayath level award for progressive IFS farmer by Directorate of Agriculture and Farmers Welfare Dept.
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> Conducted field visits for monitoring crop nutrient management and pest and disease infestation. Provided training on various aspects of crop cultivation. Bio inputs and micro nutrient mixtures were given as part of the NABARD network project on Promotion of integrated farming through skill upgradation of master farmers.





ICAR-KVK, KOZHIKODE

SUCCESSFUL IFS FARMER

TURMERIC FIELD DAY ORGANIZED

A field day was organized on 19.2.2024 during the harvesting of IISR Pragati, a promising turmeric variety, at the NICRA project demonstration plots. Smt. V. P. Reena, Ward member, Maruthonkara Grama Panchayat inaugurated the harvest. During the event, Dr. P. Ratha Krishnan, Principal Scientist and Head of KVK, delivered a keynote speech, while Dr. P. S. Manoj, SMS Horticulture, explained project interventions. Ms. K. P. Anjana, Senior Research Fellow, offered welcome and N. K. Raghavan, farmer representative proposed vote of thanks. Around 50 farmers, including those from the NICRA project and the Pratheeksha Farmers Club, attended the event. The variety demonstrated, IISR Pragati is a high-yielding turmeric variety, capable of producing 38 to 52 tonnes per hectare. It is having a short growth cycle of only 180 days with high and stable curcumin content and demonstrates resistance to root nematodes, making it an attractive option for farmers.



KVK organizes training programmes in vegetable cultivation during summer season

KVK organized a one day training programme on "Summer cultivation of vegetables" for members of JanasreeMission on 20.2.2024. The training included practical training on protray vegetable seedling production and organic ways of managing pests and diseases also. A total of 30 farmers attended the programme. Dr. P.S.Manoj, SMS (Horticulture) and Dr.K.K Aiswariya, SMS (Plant Protection) coordinated the programme.



Name of the KVK	: KVK, Kozhikode	
Name of the IFS Farmer	: Mr. Siddique V.K	
Address with Contact No.	: Vengalath kandy House Mannankavu post Naduvannur via Kozhikode, Pin: 673614 Email:siddiquevk916@gmail. Com Contact no: 97478 73459.	
Landholding	: Total : 3 ha Under IFS : 1 ha	
Farming situation	: Irrigated and rainfed	
IFS Model adopted	: Agri + Horti + Livestock	
Innovations adopted	: 1)Introduction of new crops (Marigold, Onion) in the district and supply of quality vegetable seedlings. 2)Preparation of fish amino acid with innovative method of easy and fast decomposition of fish.	
Annual Net Income from IFS	: 5 lakhs	
Awards received	: 1)Best farmer – Naduvannur Panchayat (2023) 2)Best farmer (Organic farming) Block level (2023) 3)Recognition to attend the Niti Ayog consultancy meeting held at New Delhi (2023).	
Interventions of KVK in fostering IFS	: <ul style="list-style-type: none"> • Technical advisory for water efficient agriculture through wick irrigation. • Demonstration of cowpea (variety Geethika) Amaranthus (Vlathankara) and Marigold cultivation • Technical support for cultivation of tubers like elephant foot yam, lesser yam, tapioca etc. • Technical support for the cultivation of papaya (variety red lady), pepper, paddy and green gram 	

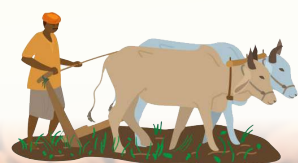




ICAR-KVK, MALAPPURAM

EMPOWERING FARMERS: INSIGHTS AND INNOVATIONS AT KUMBHAVITH KISSAN MELA

The Kissan Mela, known as Kumbhavith Mela, organized by the Vellangalloor Block Panchayath of Thrissur district as part of the Bharatiya Prakrithi Krishi Programme of the Agriculture Department, was inaugurated by Dr. R. Bindu, Minister of Higher Education and Social Justice Department. This event garnered significant attention and participation from the local farming community. Dr. Lilia Baby, Assistant Professor (Community Science) KVK Malappuram, conducted a training program on value-added products from bananas. Such initiatives contributed to the diversification of agricultural products and potentially increase farmers' income through value addition. The exhibition, which featured ICAR NBGR (Indian Council of Agricultural Research - National Bureau of Plant Genetic Resources) and value-added products from farmers, provided valuable insights and opportunities for both farmers and visitors. Additionally, the agriculture clinics and seminars covering various topics in agriculture facilitated knowledge sharing and skill development among attendees.



KARSHAKA SREE "KARSHIKA MELA" CUM STATE LEVEL SEMINAR ON PROFIT POTENTIAL OF AH ACTIVITIES IN THE STATE

Malayala Manorama – the leading news paper company in the state organized the Karshaka Sree Award distribution ceremony of the year for the best farmer selected at state level, together with Karshika Mela inclusive of various activities such as Five days long Agricultural exhibition, series of seminars and related events at Malappuram. Besides participation of the KVK in the exhibition, Dr. Ibraheem Kutty (SMS – Animal Science) was invited to handle the seminar session on "Profit potential of Dairy farming in the state" among other topics of relevance in the present scenario of animal husbandry activities in Kerala. The seminar was inaugurated by Sri Abdussamad Samadani, Member of parliament along with other dignitaries and the sessions were attended by around 300 farmers from different part of the state with active participation in the accompanied discussions



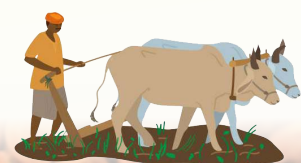


ICAR-KVK, PALAKKAD


CULMINATION OF FARMERS' FIELD SCHOOL AND FIELD DAY CELEBRATION AT CHAMBRAKULAM – ODANNUR PADASEKHARM

As part of the culmination of farmer field school which was organized by KVK Palakkad at Kottayi Gramapanchayath, a field day celebration was conducted in coordination with Kottayi Krishibhavan and Kottayi Gramapanchayath. The programme was inaugurated by Kottayi Gramapanchayath vice president Ms. Anitha and Dr. Sumiya (Program coordinator, KVK, Palakkad), Sri. Arun (SMS Agronomy), Agriculture officer Ms. Rakhi, Padasekharasamiti secretary Mr. Rajan and Mr. Vijayan also offered felicitations on the occasion.

In the farmer field school, which started at the beginning of second crop cultivation at Chambrakulam – Odannur Padasekharm training classes were conducted on different subjects like land preparation, nutrient management, weed management, pest and disease management in rice. Distribution of the bio-control agent *Pseudomonas fluorescence* for disease management in rice, demonstration of the use of trichocards for management of stem borer and leaf roller in rice and spraying of micronutrient mixture Sampoorna using UAV in rice field were also carried out as part of FFS. By the use of trichocards 70% reduction in infestation of rice stem borer and rice leaf folder were achieved. Similarly a yield increase of around 15% was also achieved.



SUCCESSFUL IFS FARMER

Name of the KVK	:	KVK, Palakkad
Name of the IFS Farmer	:	Ramachandran P. 
Address with Contact No.	:	Arayakulam, Thenari P.O., Elappully, Chittur block, Palakkad – 678622 Mob: 9388458685
Landholding	:	Total : 1.58 ha Under IFS : 1.58 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+livestock+poultry+fishery (Paddy, millets, fodder + Coconut, arecanut, Banana, spices, vegetable + cow, goat + hen, duck + fish)
Innovations adopted	:	1) Drip irrigation and fertigation 2) Machine for polishing turmeric and ginger (own innovation)
Annual Net Income from IFS	:	Rs.820500/-
Awards received	:	Honoured as best farmer in the locality during farmers' day
Interventions of KVK in fostering IFS	:	Soil solarization was demonstrated in the farmers' field for weed management and management of rhizome rot in ginger cultivation. Also an FLD on broiler variety 'Vigova' for meat production is proposed in the same IFS plot. KVK Palakkad has nominated Mr. Ramachandran P. for innovative farmer award also.





ICAR-KVK, PATHANAMTHITTA

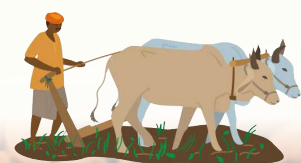
EXHIBITED TECHNOLOGIES IN THE ZONAL WOMEN AGRIPRENEUR CONCLAVE 2024

Krishi Vigyan Kendra, Pathanamthitta exhibited Technologies in the Zonal Women Agripreneur Conclave 2024 jointly organised by ICAR-ATARI, Zone XI and Kerala Agricultural University at Central Auditorium, KAU from 20 to 21 Jan 2024. The main objective was to promote Women Agripreneurship. On the occasion Dr. C.P Robert, Senior Scientist and Head, KVK, Pathanamthitta delivered talk on KVK 'Kisan kart'. 10 women Agripreneurs of Pathanamthitta showcased their agro products in the exhibition. One Agripreneur Smt. Valsala Kumari P is included in video documentary released of women agripreneurs of Kerala and 3 Agripreneurs Smt. Sini Rachel, Smt. Raji S Babuand Smt. Valsala Kumari P. are included in directory of women agripreneurs mentored by KVKs of Zone-XI.




REPLICABLE MODEL OF SOLAR FENCING TO PREVENT WILD BOAR MENACE

Dr. V. Venkatasubramanian, Director, ICAR-ATARI, Bengaluru inaugurated demonstration of Solarfencing at KVK farm on 24th February 2024. The model covers total length of 500 m and protects an area of 5 acre of KVKs instructional farm. In Pathanamthitta district huge crop damage occurs due to the wild animal especially wild boar. Defence mechanism like iron fencing, making trenches, castor oil based Ecodon- jute thread fencing, BoRep fencing etc. are found infeasible in long run and non-economical. For the promotion of the innovative technology 'solarfencing', KVK set up demonstration unit at KVK farm. A solar fence works like an electric fence which delivers a brief yet fierce shock when in contact. The major parts of the fence includes solar photovoltaic (PV) panel, 12 v battery, energizer, insulators, steel wire and poles. The Solar panel converts light energy into electrical energy which is stored in the battery. The energizer uses this electrical energy and sends about one pulse of electric current per second down the fence. When contacted by any living thing it delivers a strong shock.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR-KVK, CARD, Pathanamthitta
Name of the IFS Farmer	:	Sri. Thomson V 
Address with Contact No.	:	Anapparackal, Palakkathakidi P.O., Kunnamthanam
Landholding	:	Total : 0.6 ha Under IFS : 0.4 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri-Horti-Livestock
Innovations adopted	:	<ul style="list-style-type: none"> • Drip Fertigation • Vegetable cultivation with grafted seedlings
Annual Net Income from IFS	:	Rs. 6 lakh
Awards received	:	Nil
Interventions of KVK in fostering IFS	:	<ul style="list-style-type: none"> • Cultivation of Arka Mangala (Yard Long Bean) • Cultivation of Tomato Arka Rakshak • High density planting in Banana • Cultivation of Ginger using single sprouts

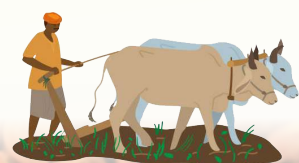




ICAR-KVK, THRISSUR

STRENGTHENING AGRICULTURAL PRACTICES: SCSP PROGRAMME FOR VELLAKARITHADAM FARMERS

In a significant step towards enhancing agricultural practices and promoting inclusivity, 15 farmers from Vellakarithadam participated in a SCSP programme at KVK Thrissur in collaboration with ICAR-CCARI Goa. The collaboration with ICAR-CCARI Goa has been instrumental in providing technical support and resources for the SCSP programme. The programme focused on several aspects, including comprehensive training on the scientific management of layer poultry. This training covered topics such as housing, feeding, disease management, and general care practices to ensure optimal production and health of the birds. Additionally, bird feed and cages were distributed to the farmers as a part of the programme. This support is crucial for ensuring the nutritional needs of the birds, leading to healthier and more productive poultry.



SUCCESSFUL IFS FARMER

Name of the KVK	:	KVK Thrissur
Name of the IFS Farmer	:	Padmakumar CR 
Address with Contact No.	:	Meeras, Maramcode Agricultural Society, Velikullangara PO, Chalakkudy, Thrissur 9497484805
Landholding	:	Total : 8 ha Under IFS : 8 ha
Farming situation	:	Dry and wet land
IFS Model adopted	:	Agri+hort+livestock+aquaculture+ ecotourism
Innovations adopted	:	<ul style="list-style-type: none"> • Ecotourism • Farm based organic manures
Annual Net Income from IFS	:	20 lakh
Awards received	:	<ol style="list-style-type: none"> 1)Kheeramitra award, dairy department 2)Best farmer award
Interventions of KVK in fostering IFS	:	<ol style="list-style-type: none"> 1)Master trainer in NABARD KAU project 2)CFLD 2022-23 beneficiary 3)CDB FOCT trainee





ICAR-KVK, THIRUVANANTHAPURAM

INTERSTATE TRAINING PROGRAMME ON INTEGRATED WATERSHED MANAGEMENT

A training programme, in three batches spanning two days, was conducted for 155 farmers on “Integrated Watershed Management” at Thiruvananthapuram KVK to train farmers from Ramanathapuram District, Tamil Nadu on 29-01-2024 to 30-01-2024 & 06-02-2024 to 07-02-2024.

Shri.V.Balaji (Technical Officer), Smt.K.Sathya Priya (Agronomist), Smt.K.Pavithra (Agronomist), and Smt.S.Anupriya (Agronomist) from DWRA were the officials who led the farmers’ team from the village. The programme was inaugurated by Dr. Binu John Sam, Senior Scientist & Head, KVK.


On the first day of each training programme, Er.Chithra.G, Agricultural Engineering SMS handled session on watershed management engineering structures, rain water harvesting system, use of single drop of water for more crops, sustainable use of natural resources for increase in livelihood security and socioeconomic upliftment of farmers in the watershed area.

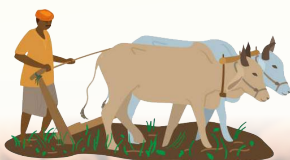
Mechanization in agriculture topic was also covered as part of the programme. Farmers interacted about the machines what they are using for their farming activities and what can be newly adopted in the coming seasons for addressing labour problem and to reduce the cost of cultivation. Then trainees visited the technology hub, demonstration units like micro irrigation systems, rain shelter, plant nursery and minimal processing unit at KVK.

On the second day, an exposure visit was conducted to ICAR-CTCRI, Sreeekaryam under the supervision of Dr. Sheela Immanuel, Principal Scientist. Visited crop museum, incubation centre, crop protection lab and field crops at CTCRI. Dr. R.Muthuraj, Principal Scientist, Crop Production and Technical Officer from Crop utilization handled sessions on tuber crop varieties, management, and crop protection and utilization activities conducted at institute. According to farmers’ feedback the training was useful as they were exposed to new technical interventions that can be replicated in their village.



SUCCESSFUL IFS FARMER

Name of the KVK	:	ICAR KVK, Mitraniketan-Thiruvananthapuram
Name of the IFS Farmer	:	Simi A J 
Address with Contact No.	:	Ramla Manzil, Kallode, Kuttichal P.O. 7907480021
Landholding	:	Total :0.57 ha Under IFS : 0.16 ha
Farming situation	:	Irrigated
IFS Model adopted	:	Agri+Horti+Livestock
Innovations adopted	:	<ul style="list-style-type: none"> • Fruit bearing plants in buckets • Collection of 150 varieties of Bougainvillea.
Annual Net Income from IFS	:	Rs.9,23,300/-
Awards received	:	<ol style="list-style-type: none"> 1)State Level Best Farmer Award-2017 2)Best Terrace Garden Farmer Award ATMA -2018
Interventions of KVK in fostering IFS	:	<p>She is an enthusiastic women farmer who visits ICAR KVK, Mitraniketan for various trainings. She was ready to take up organic farming in her 40 cents area and terrace cultivation with the guidance from KVK experts.</p> <p>She started cultivating crops using organic and bio-fertilizers along with application of organic bio pesticide and insecticide. She is a role model in terrace gardening and integrated farming system with fruit plants, floriculture, vegetables, livestock, poultry and rabbitry.</p>





ICAR-KVK, WAYANAD

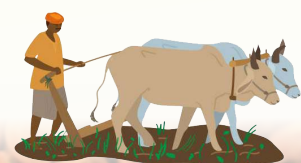
HELPING HANDS TO SC POPULATION UNDER SCSP PROJECT

KVK Wayanad conducted one day training and awareness programme to SC farmers on Pest and disease management of vegetables and application of micronutrients as part of SCSP programme. The programme aims on technological intervention to strengthen food, nutrition and livelihood security to scheduled caste beneficiaries through Integrated Farming approach. . The programme was inaugurated by Smt. Sheela Punchavayal Nenneneni, Grama Panchayath President at Chittorkunnu Presidential address was delivered by Smt. Jayalalitha Vijayan, Ward 8 member and Sri. Tigi Cheruthottil, Panchayath Vice President. Classes were dealt by Dr. Deepa Rani C.V, SMS,KVK Wayanad. Distribution of vegetable seedlings, micro nutrients and fertilizer were also done to the 41 selected SC beneficiaries. Vote of thanks was delivered by Smt. Sruthi Krishnan, KVK Wayanad.




Training on Value addition and licensing

Scientist from KVK Wayanad conducted one day training on value addition at Veengeri block. In this event, classes were dealt by Dr. Safia N.E, Senior Scientist and Head , KVK Wayanad on topics like licensing procedures, FSSAI, AGMARK rules, packaging, labelling, branding, food additive, cooling and flavoring agents. Topics on preservations and FPO Formation were also explained in detail. Around 50 farmers actively participated in the event.



SUCCESSFUL IFS FARMER

Name of the KVK	:	KVK Wayanad
Name of the IFS Farmer	:	Sri. Sunil Kumar M 
Address with Contact No.	:	Mathoorkulangara (H), Kallingara, Thazhathur PO, Cheeral, Sulthan Bathery. Pin- 673595 Mob: 9447437285
Landholding	:	Total : 7.28 ha Under IFS : 4.30 ha
Farming situation	:	Integrated Farming System
IFS Model adopted	:	Agri+ Horti+ Livestock
Innovations adopted	:	1)Conserving 71 traditional rice varieties from across the country on 18 acres of rented land. 2)Organic farming
Annual Net Income from IFS	:	Rs 4 - 5 lakhs
Awards received	:	1)Central Government's Plant Genome Saviour award for the year 2020-21 2)Best farmer award from Biodiversity Board
Interventions of KVK in fostering IFS	:	1)KVK Wayanad did a helping hand by providing necessary technical guidance, seed, bio -control agents, micro-fertilizer mixtures. 2)Sunil Kumar is one of KVK's IFS farmer. He is a permanent member of Scientific Advisory Committee of KVK Wayanad. 3)He is an organic farmer using organic products like Jeevamrutham, Panchagavyam, neem-based formulations and other bio-control agents purchased from KVK.





CATTLE BREED OF KARNATAKA

MALNAD GIDDA

Origin

- ▲ The breed is native to the hilly, rainy and densely forested Malenadu region of the Western Ghats in the state of Karnataka in India.
- ▲ Main breeding tract of the Malnad Gidda cattle include Chikkamagaluru, Dakshin Kannada, Hassan, Kodagu, Shimoga, Uttar Kannada and Udupi districts of Karnataka.

Characteristics

- ▲ Predominant black coat color with light shades of fawn on thigh and shoulder area.
- ▲ They have a small and compact body frame.
- ▲ Both bulls and cows usually have horns, and their horns are generally small in size, straight, outward, upward and inward.
- ▲ They have small hump and udder of the cows is small and bowl shaped.

Performance parameters

- ▲ Malnad Gidda cattle are draught animals. They are also raised for milk production.
- ▲ They are known for their short stature, adaptability to native climates and disease resistance capability.
- ▲ They can be sustained solely on grazing the forests and rural terrains.
- ▲ They are highly adapted to harsh climate including heavy rainfall. The cows are pretty good milk producers. Elite cows can produce about 3-5 litre of milk daily.
- ▲ They are also raised in zero input system in some areas where they sustain solely on grazing.
- ▲ The milk and urine of these cattle is considered to be of medicinal value.



(D. V. Kolekar,
Scientist, ICAR-ATARI Bengaluru)

BUFFALO BREED OF KARNATAKA

DHARWADI

Origin

- ▲ Originated from Dharwad and North Karnataka districts
- ▲ Dharwadi buffalo is distributed in North Karnataka districts Bagalkot, Belagavi, Dharwad, Gadag and Vijayapura.

Characteristics

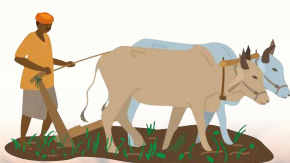
- ▲ Medium in body size
- ▲ Coat colour black and straight head
- ▲ Horns are semi-circular almost touching the withers
- ▲ Cylindrical shape teats, ears are erected
- ▲ Medium size udder
- ▲ Body weights 250 – 300 kg

Performance parameters

- ▲ Average milk yield 972 ltrs with 6.9 % average fat during lactation period
- ▲ These buffalo milk is used for making of famous Dharwad pedha
- ▲ This breed suits for low rain fall area



(D. V. Kolekar,
Scientist, ICAR-ATARI Bengaluru)





Anthrax : An important bacterial disease of dairy animals

Introduction

- ▲ It is a peracute, acute and septicaemic disease of cattle leading to sudden death.
- ▲ It is a zoonotic disease spread from infected animals to human.
- ▲ *Bacillus anthracis* is a pathogenic strain causing anthrax in both human and animals.
- ▲ The organism produces spores when exposed to external environment and can live for a prolonged period outside the host in the environment.
- ▲ Mortality, reduced milk yield and the expenses incurred for vaccination leads to severe economic loss.
- ▲ Disease is spread through contaminated soil, environment, infected excretions and secretions from animals.

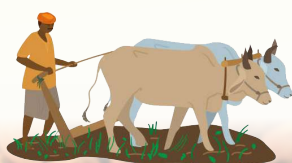
Symptoms

- ▲ High body temperature of about 104-108°C.
- ▲ Rapid and deep respiration, increase heart rate
- ▲ Depression, animal refuses to eat, bloat
- ▲ Muscle tremor with the advancement of disease
- ▲ Extreme aggressiveness following depression
- ▲ Distressed breathing at the end at the end
- ▲ Mouth breathing due to oxygen hunger
- ▲ Animal is extremely depressed. Animal shows distressed breathing.
- ▲ Extreme dyspnoea leads to mouth breathing due to oxygen hunger.
- ▲ There is oozing of blood from natural orifices following death.
- ▲ Animal may be found dead without any premonitory signs and death usually occurs within 48 hours.
- ▲ Animal refuses to eat and there is development of bloat.
- ▲ Oedema may predominantly notice under the neck, brisket region, thorax, abdomen and flank.
- ▲ In per- acute form animals may be found dead without any premonitory signs.

Prevention and Control

- ▲ Prevent introduction of infected animals to areas free from anthrax
- ▲ Use fly repellent to minimize flies and mosquitoes population.
- ▲ Periodical and regular vaccination should be done.
- ▲ Strict quarantine measures in anthrax prone areas.
- ▲ Preventing the introduction of infected animals into disease free areas.
- ▲ Carcasses should not be opened as it may contaminate the pasture.

(D. V. Kolekar,
Scientist, ICAR-ATARI Bengaluru)





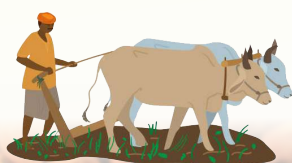
General guidelines for feeding of diseased dairy animals

Feeding of diseased animal is important for quick recovery of diseased animals and re-attainment of proper health and productivity, which in turn influence profitability of farmers.

- ▲ Bitter or unpalatable medications should not be given before feeding or in the ration of diseased animals.
- ▲ Oral supplementation of nutrients is preferable if animal voluntarily consume adequate nutrient.
- ▲ Offer a variety of foods.
- ▲ Offer freshly cut succulent grasses.
- ▲ Fresh grass is very palatable and is often the last feed to be refused.
- ▲ If painful oral or pharyngeal lesions are present, sweetened soups made of mashes of complete feeds can be fed.
- ▲ Some sweetening agents like molasses or gur can be added with diet or some chemical or herbal stimulant to appetite can be fed.
- ▲ Addition of salt @ 0.2-0.5% of diet enhances palatability and stimulate intake. Administrations of B vitamins are useful in stimulating intake.
- ▲ Soybean or groundnut cake meal, vegetable oil, molasses, propylene glycol, and casein may be added to increase energy and protein density.
- ▲ It is important to feed small quantities at a time to avoid gorging on highly palatable feeds.
- ▲ If an animal is unable to eat (due to pharyngitis, botulism causing paralysis of buccal muscles, etc.) or unwilling to eat and has normal GI function can be administered supplemental nutrients (complete feed pellets) as slurry through stomach tube.
- ▲ Intravenous alimentation is often required when other forms of supplementation are grossly inadequate or not possible in case of recumbency.
- ▲ Animals suffering from severe enteritis and diarrhoea often need intravenous alimentation. The underlying causes of diarrhoea (e.g. too much milk, infection, parasitism or change of feed) need to be determined and corrected.

- ▲ Dehydration should be corrected with electrolytes, and acidosis with bicarbonate.
- ▲ Transfaunation from rumen of another animal may be helpful in an animal that has been off fed or following toxic insult such as grain overload.
- ▲ Microbial culture probiotics (e.g. Lactobacillus, yeast) may also be fed to an animal that has been off fed.
- ▲ Pregnant animals in late gestation should be handled carefully and forced oral medication should be avoided, especially those animals raised on pasture, because of their susceptibility to stress abortion. Medications needed at this time should be administered in feed or water, if possible.

(D. V. Kolekar,
Scientist, ICAR-ATARI Bengaluru)





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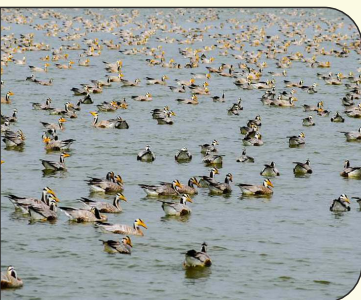
KSRDPR University Nagavi, Gadag



Sanjivini Betta, Kappadgudda, Singatalur, Gadag.



Veeranarayana Temple



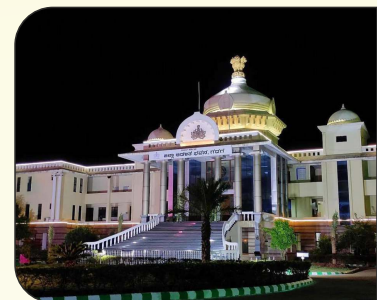
Magadi Bird Sanctuary



Mahatma Gandhi at Sabarmati Ashram, Nagavi, GADAG.



Nanneshwar Devasthan Lakkundi



GADAG DC Office



Trikuteswar Temple



Gadag Zoo



Anubhava Mantapa Tontadarya Math, Gadag



Bheeshma Lake, Gadag



KVK TIMES



A special Issue on Integrated Farming System
A window to KVKs of ICAR-ATARI, Zone XI
Vol – 02 Issue 16 16-29 February, 2024

PATRON

Dr. V. Venkatasubramanian

Director, ICAR-ATARI, Zone –XI, Bengaluru

COMPILATION AND EDITING

Dr. Sudha V. Mankani

Senior Scientist and Head (I/c)

Mrs. Hemavati R. H.

Scientist (Horticulture)

Dr. B. M. Murgod

Programme Assistant (Animal Husbandry)

Mr. M. B. Jakkanagoudra

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Mr. T. K. Sai Swaroop Rao

Stenographer

Shri N.H. Bhandi

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Mrs. Lalita S. Asuti

Computer Programmer

Mr. Suresh L. Halemani

Farm Manager

Mrs. Savita Karadani

Field Assistant

Dr. K. Thimmappa

Principal Scientist (Agriculture Economics) & Nodal Officer,
ICAR-ATARI, Zone XI, Bengaluru

Dr. D. V. Kolekar

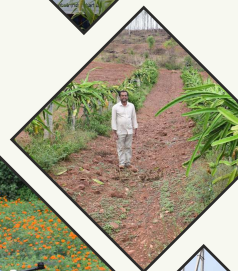
Scientist (Agriculture Extension), ICAR-ATARI, Zone XI, Bengaluru

Published by

ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti-582205,
Gadag District

Under the guidance of

ICAR-ATARI, Zone-XI, Bengaluru





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**ICAR-K.H. Patil Krishi Vigyan Kendra,
Hulkoti, Gadag Dist.
Website: <https://kvkgadag.icar.gov.in>
E-mail: kvkhulkoti@gmail.com, kvk.Gadag@icar.gov.in.
Tel.: 08372-289325**