Youth for Action
KRISHI VIGYAN KENDRA
Madanapuram, Wanaparthy Dist, T.S-509110



AREAS COVERED

Capacity building Programmes

OFTs and FLDs

Collaborative and sponsored programmes

Significant events

Agro -advisories (Farmer-scientist Visits and Kisan Sarathi)

Soil analysis

Capacity building for staff

Capacity building programmes

Capacity building programmes include Trainings and Skill trainings organized during January to March, 2024. A total of 16 capacity-building programs, both online and offline, were conducted. These programs were conducted from different discipline including Plant protection, Horticulture, Agril. Engineer, Agricultural extension, and Home science. The training targeted farmers, rural youth, extension workers, and farm women in Mahabubnagar district, benefiting a total of 535 participants.

Trust area	Discipline
Vertebrate pests management	Plant protection
Pest and disease management in Agriculture and Horticulture crops	Plant Protection
Vermicompost production technology	Plant protection
Organic farming	Plant protection
Good Agronomic practices for Horticulture	Horticulture
Exports in Horticulture	Horticulture
Utilization of Farm machinery in Agriculture	Agri.Engg
Soil health Management	Agril.Extension
Avenues in Agri-business entrepreneurship for rural youth and women farmers	Agril.Extension
Value addition in fruits and vegetables	Home science
Low cost complementary foods	Home Science

OFTs, FLDs and Extension studies

From January to March 2024, YFA-KVK conducted 02 OFTs(On Farm Trails) and 04 FLDs (Front Line Demonstrations) across different disciplines. In addition to these activities, the center also conducted a comprehensive extension studies, further enhancing its outreach and impact in the technologies.

OFTs

Title	Technology advised during January - March	Area (Ha.)	No. of farmers beneficiaries
OFT: Assessment of suitable intercrops in young Oil palm orchards	-Oil palm is cultivated on about 13,000 acres in the KVK area. -During the juvenile phase, a significant portion of the area remains open (95% in year 1, 85% in year 2, and 70% in year 3) as the palms don't fully cover the land. -Intercropping can increase output and optimize resources like land and water, while also reducing weed growth and soil erosion, improving soil health and fertility. -Chilli intercropped with oil palm yields an additional income of ₹77,420 per acre, while groundnut provides ₹17,922 per acre.	2.0	05
Assessment on Development of Millet based Supplementary weaning mix	-A consumer acceptability study for a millet-based supplementary weaning mix was conducted in Kothapalli village, as part of an on-farm trial. -Feedback was gathered using a sensory evaluation scorecard.	-	15

FLDs

Title	Technology advised during January - March	Area (Ha.)	No. of farmers beneficiaries
FLD: Management of Fall Army worm (FAW) in Rabi Maize	-Seed treatment with Cyantrinipole 19.8%+ Thiamethoxam 19.8% @ 4ml/kg -Seed and IPM with bio agents and neembased chemical spray up to 60DASfound very effective -20.79 % increase yield recored and farmers reduced 3 chemical sprays and saved Rs. 9450/- per ha.	4.0	10
Demonstration of Integrated pest Management for control of fruit fly in Cucurbits (Ridge gourd)	-Insecticide use for fruit fly control disrupts ecosystems, necessitating an integrated approach. -The male annihilation technique effectively suppresses fruit flies. Using Cuelure traps (15 per acre), removing cotyledonary leaves, and applying chemicals (spinosad @60ml/acre, emamectin benzoate @80g/acre, or Azadirachtin 3000 ppm @1L/acre) reduces fruit fly incidence to 12%, compared to 28% with traditional practices.	1.6	08

Demonstration of Groundnut digger cum shaker in Groundnut	-A trainings cum demonstrations conducted in collaboration with RARS, Palem & FIM Scheme, PJTSAU, Hyderabad and ICICI Foundation. -As part of the events, explained farmers with series of research done by scientists to improve the efficiency of the machine and the uses of groundnut digger in terms of labour saving and labour cost drudgery reduction in harvesting of groundnut.	2.0	05
FLD on Demonstration on Value addition to Groundnut as an enterprise	-An Oil extraction (cold pressed) machinery for groundnut was facilitated under PMFME scheme in Madanapuram village, Wanaparthy District. -Advised and guided on oil culinary processes, cost analysis, machinery operation, and branding and marketing strategies.	-	01

Extension Studies

Title	Locations	No. of respondents
Impact of Technologies disseminated by the KVK in IPM in Cotton and IPDM in Rice, since 2019 (Network Studies)	Palem, Nervein, Nelvidi and Kervena	80



OFT: Assessment of suitable inter crops in young Oil palm orchards



OFT: Assessment on Development of Millet based Supplementary weaning mix



FLD: Management of Fall Army worm (FAW) in Rabi Maize



FLD: Demonstration of IPM for fruit fly in Cucurbits (Ridge gourd)



Demonstration of Groundnut digger cum shaker in Groundnut



FLD on Demonstration on Value addition to Groundnut as an enterprise







Data collection on IPM in Cotton and IPDM in Rice, since 2019

Collaborated and sponsored programmes

YFA-KVK organized a total of 5 sponsored skill training programs from January to March 2024, conducted by SMS (Plant Protection), SMS (Horticulture), and SMS (Agricultural Engineering). These programs were designed to enhance the skills of farmers, farmwomen, and rural youth in Wanaparthy district. Collectively, these training sessions benefited 134 participants, equipping them with valuable knowledge and practical skills in their respective fields.



Strengthening of FPO through Good Agricultural Practices (Project)-3days training Programme

YFA-KVK organized 3-day training program for Pebbair FPO from January 29 to 31, 2024, on “Strengthening of FPO through Good Agricultural Practices.” Sponsored by PJTSAU and NABARD, the event was led by the Sr. Scientist and Head and SMS-Agril. Extension, with key contributions from Dr. Madhubabu, Project In-Charge from Prof. EEI, Hyderabad, Mr. Srinivas Chary (DDM, NABARD). Through this training Participants received free soil testing machines and agricultural knowledge materials.



Buyer seller meet for FPOs in collaboration with PJTSAU and NABARD

On March 15, 2024, YFA-KVK facilitated the FPOs to take part in buyer seller meet to connect FPOs to Market for fruits and vegetables. FPOs showcased mangoes and sweet lemons, vegetables and engaging with buyers from ITC, ZEEPTO, Ratnadeep, and others. Chief Guest Suseela Chintala from NABARD's Telangana Regional Office and dignitaries from PJTSAU, Hyderabad, also attended the event, which included panel discussions on services and requirements. SMS (Agril.Extension) and SMS (Horti) took part in the event.

RAWEP activities (College of Community Science, PJTSAU, Hyderabad and School of Agril. Science MRU, Hyderabad)



An Orientation Programme was held on January 9, 2024, at YFA-KVK, Madanapuram, by SMS (Home Science) for RAWEP students, College of Community Science, PJTSAU, Hyderabad. YFA-KVK facilitated student-led events including Rythu sadassu for MRU Agriculture students and an Exhibition/Valedictory program at Chennaram on March 4, 2024. They also arranged industrial attachments and conducted Viva voce exams at KVK

Groundnut Value Chain Development project in collaboration with PJTSAU and ICRISAT



YFA-KVK, in collaboration with PJTSAU and ICRISAT, launched the "Groundnut Value Chain Development" project with Kashimnagar Farmer Producer Company Ltd. in Wanaparthy. SMS (Agril. Extension) led the project from KVK and organized a group meeting attended by Dr. Janila from ICRISAT, Dr. Purshotham from PJTSAU, Dr. Srinivas (project head from PJTSAU), Mr. P. Akhil from NABARD DDM Wanaparthy, KVK staff, and FPO directors and CEO. The meeting focused on finalizing the project's action plan, including fund transfer details and implementation strategies.



Awareness cum Distribution programme on Biofortified Zinc rich Rice varieties with ICAR-IIRR, Hyderabad.

YFA-KVK, conducted awareness cum distribution program on Biofortified Zinc-rich Rice variety DRR DHAN-48 at Chennaram, Wanaparthy District. Dr. AVSR Swamy and Dr. C.N. Neeraja from ICAR-IIRR, SMS Home Science and SMS Plant Protection from KVK took part in the event. The event concluded with the distribution of DRR Dhan 48 rice to the local Anganwadi center. 93 farmers were participated in the programe



Groundnut farmers-Scientists and exporters interaction meeting (Kisan mela-Groundnut)

On January 31, 2024, RARS, KVK-Palem, ICRISAT, YFA-KVK Mahabubnagar, and IOPEPC Mumbai organized a Groundnut Farmers-Scientists and Exporters Interaction Meeting. Dr. P. Raghu Ram Reddy from PJTSAU and Dr. Sudha Rani from PJTSAU were the Chief Guest and Guest of Honour, respectively. Dr. Malla Reddy from RARS-Palem initiated the program, followed by discussions led by Dr. P. Janila from ICRISAT on groundnut oilseed trends and global demand for value-added products. Dr. Raghu Ram Reddy emphasized Good Agricultural Practices for enhancing export-quality production.



Vermiculture and Vermi compost making, organic products and Mass multiplication of bio pesticides.

YFA-KVK conducted a two-day skill training program from January 8 to January 9, 2024, for tribal youth. The training covered topics such as vermiculture, vermicompost production, organic inputs, and the mass production of biopesticides. This initiative was sponsored by the RAMKY Foundation through NABARD funding and was held at KVK. The program was overseen by SMS Plant Protection, who provided both theoretical sessions and practical demonstrations on preparing organic inputs and the significance of mass-producing biofertilizers.

Skill training to MGNREGS workers in Vermiculture and Vermi compost making under UNNATI project

YFA-KVK organized a two-day skill training program from March 20 to March 21, 2024, targeting MGNREGS workers as part of the UNNATI project sponsored by DRDA. SMS Plant Protection led sessions that included lectures and practical demonstrations on the uses and preparation of vermicompost and organic inputs and discussed about nutritional benefits, application techniques, and recommended doses for different crops.





Skill training to MGNREGS workers under UNNATI project

YFA-KVK, Mahabubnagar, joined 3-day skill training from January 6-8, 2024, for MGNREGS workers on vermiculture and vermicompost making. Held at Mirasipalli Village, Kothakota Mandal, Wanaparthy Dist., Telangana, in collaboration with DRDA under the Unnathi project. SMS Agril. Engineering covered vermiculture, vermicompost introduction, tools, machinery, its operational cost, maintenance, and shared success stories of vermicompost entrepreneurs



Skill Training to Rural youth (STRY) in Organic farming.

YFA-KVK, held a week-long STRY skill training in organic farming from March 27 to April 3, 2024, at KVK for rural youth from Wanaparthy district. The program was inaugurated by Shri. Chandrasekhar, ADA Pangal, Department of Agriculture, Wanaparthy, V. Rajendrakumar, the course instructor, conducted classes and practical sessions throughout the week, covering topics such as natural/organic farming principles, components, and green manures. 15 participants from various mandals attended the training.

Skill Training to Rural youth (STRY) in Nursery Management

YFA-KVK, organized a one-week STRY skill training in nursery management in horticulture from March 27 to April 3, 2024, at KVK for rural youth from Wanaparthy district. The program was inaugurated by Shri. Chandrasekhar, ADA Pangal, Department of Agriculture, Wanaparthy,K. Suresh Kumar, SMS-Horticulture specialist, led the course sessions and practical, covering different topics related to developmant and management of nurseries. A total of 15 rural youth from across the district attended the training



Significant Events



Scientific Advisory Committee Meeting (SAC) of YFA-KVK, Mahabubnagar-I

The SAC meeting of YFA-KVK, was held on March 14, 2024, at KVK Madanapuram. Chaired by Dr. Malla Reddy from PJTSAU, Hyderabad, the meeting included Dr. B. Savitha, Mr. Dhamodhar, Mr. J. Sudhakar, Mr. Govindha Naik, Mr. Akbhar, Mr. Sulthan, and representative farmers from various villages. The committee visited instructional farms, demo units, and inaugurated a QR code board. Dr. Khogare D.T., Senior Scientist and Head, presented new initiatives and technical programs during 2023-24. Subject Matter Specialists from Plant Protection, Horticulture, Agricultural Extension, Agriculture Engineering, and Home Science also presented their work of 2023-24 and action plans for 2024-25. The meeting concluded with the release of YFA-KVK Quarterly Newsletter.



National Science Day

YFA-KVK, celebrated National Science Day on February 28, 2024, with College of Fishery Science, Pebbair, at KVK. Focusing on explaining the significance of Fishery Science for farmers and rural youths. The event concluded with visits to demonstration units

Viksit Bharat Sankalp Yatra (VBSY)



The Viksit Bharat Sankalp Yatra (VBSY), aimed at promoting Central Government schemes, began in Mahabubnagar district, Telangana, on December 16, 2023. YFA-KVK actively participated from January 3 to January 26, 2024, hosting on-campus and attending off-campus programs. The initiative included thousands of virtual participants nationwide, with over 2,000 VBSY vans, Krishi Vigyan Kendras (KVKs), and Common Service Centres (CSCs) involved. Beneficiaries shared their experiences with schemes like Pradhan Mantri Jan Dhan Yojana, Ayushman Bharat, and others across various mandals. Drone demonstrations highlighted technology's role in boosting agricultural productivity.

Distribution of Kitchen Garden kits under ATARI SCSP

YFA-KVK distributed vegetable seed kits to 45 Scheduled Caste households in Pamireddypalli village, Pedamandadhi mandal, Wanaparthy district under the ATARI SCSP project for 2023-24 by SMS (Agril.Extension). This initiative aims to improve nutrition and supplement income through kitchen gardening, with KVK providing training on Kitchen Garden maintenance.



Swachhata Activities

YFA-KVK, organized awareness cum cleanliness drive under the Swachhta Hi Seva Programme at Chennaram village on February 27, 2024. SMS (Home Science) emphasized the importance of hygiene and sanitation at the village level. Sr. Scientist and Head, highlighted the significance of Swachhata Hi Seva and discussed KVK's activities related to cleanliness initiatives





PM Live telecast on PM-Kisan (16th instalment fund release.)

YFA-KVK organized a live telecast of PM Narendra Modi's address on February 28, 2024, at KVK Madanapuram, regarding the release of the 16th instalment of funds under the Pradhan Mantri Kisan Samman Nidhi (PM-Kisan) scheme. The event coincided with his visit to Yavatmal, Maharashtra, benefiting over 9 crore farmers nationwide. Participants included KVK staff, farmers, and rural youth



National Horticultural Fair 2024 by IIHR, Bangalore, Karnataka.

National Horticultural Fair 2024 held by the Indian Institute of Horticultural Research in Bangalore on March 5, 2024, From YFA-KVK, Maldhakal FPO from J.Gadwal district, Telangana, was honored as the best FPO for its focus on Sweet Orange production and marketing. Mr. Manohar, Director, was felicitated by Honorable DDG (Horticulture), Honorable Director of IIHR, and other dignitaries with an Award of Excellence for his role in the FPO's successful horticultural endeavours. SMS Horticulure took part in the programme.

International Womens' day

YFA-KVK, celebrated International Women's Day on March 8, 2024, with farm women in Pamireddypally village. The Senior Scientist and Head, along with SMS Agril. Extension and SMS Home Science from KVK, encouraged women to establish various entrepreneurship activities at the village level. They discussed financial support available from government organizations, drudgery reduction technologies, and facilitated three progressive women farmers in the village



Agro advisories (through Farmer scientist visits and Kisan Sarathi mobile advisories)

Scientist visit to Farmers fields

From January to March 2024, YFA-KVK, Madanapuram conducted 38 scientist visits to farmer fields, advising 269 farmers on crop production and protection. Key advisories included managing Fall Armyworm in maize, Integrated Crop Management in Mango, and techniques for fruit and vegetable cultivation. They also focused on Integrated Pest and Disease Management (IPDM), value addition in millets, and assessed the impact of KVK technologies at Integrated Farming System (IFS) units. Visits to Pebbair and Kashimnagar

FPOs provided guidance on groundnut seed production, cold press oil units, and establishing marketing linkages.

Farmers visits to KVK

From January to March 2024, YFA-KVK received visits from 431 farmers, farm women, and rural youth seeking advice on crop production and plant protection. They received guidance on major crops such as paddy, groundnut, drumsticks, mango, and maize, as well as information on seeds, sampling materials, farm mechanization, farmer production organizations, and value addition techniques.








Kisan Sarathi Mobile Advisories

A Total of 36 messages were sent to the 2,64,726 number of registered farmers in the areas of pest and diseases in Agriculture and Horticulture crops, Information on availability of Seed varieties during the months of January to March 2024.

Soil and Water analysis

A Total of 104 soil and water samples were analysed during the months of January to March 2024.

Capacity building programmes for Staff

S.No.	Title of the Programme	SMSs involved	Organizing agency	Duration	Location/ Venue
Training/Vocational trainings					
01	Avocado-Training Program	SMS (Horticulure)	College of Horticulture,	30.03.2024	College of Horticulture,

			SKLTSHU, Hyderabad		SKLTSHU, Hyderabad
02	Training on Innovative training methods for Master trainers and facilitators	SMS (Horticulure)	EEI, Hyderabad	5.02.2024 to 9.02.2024	EEI, Hyderabad
Seminars/ Conferences /Workshops					
03	International conference on "Multidimensional approach for accelerating agricultural extension"	SMS (Horticulure) Presented the Success story on orchard management	MANAGE, Hyderabad.	06.03.2024	MANAGE, Hyderabad.
04	International Conference Food and Nutritional Security through Agriculture Ecosystem conducted	Sr. Scientist and Head Presented paper on "Role of Millets for Nutritional security"	MANAGE, Hyderabad	01.02.2024	MANAGE, Hyderabad
05	Zonal Research and Extension Advisory Committee (ZREAC) 2024-25	Sr. Scientist and Head and SMS (Agril. Extension and Home Science) Presented success story of Progressive farmer (DDSR tech.).	Integrated Collectorate Complex Nalgonda	21.03.2024 to 22.03.2024	Integrated Collectorate Complex

Compilation and Edited by
Dr. G. Bhavani SMS Agril. Extension)

Information received from
V. Rajendra Kumar-SMS (PP)., A. Masthanaiah-SMS (Agril. Engg)., K. Suresh Kumar-SMS (Horti.)., R. Anitha-SMS (Home Sci.), K. Rajesh Kumar Reddy-Prog. Asst (Comp.) & V. Vijay Kumar-Prog. Asst (Soil Science)

Published By
Dr. Khogare Dadasaheb Trimbak
Sr. Scientist & Head, YFA-KVK, Madanapuram, Mahabuabnagr-1

Phone No: 08545-293190
Mobile No: 9581262296
Mail Id: kvk_mahaboobnagar@yahoo.co.in

Address:
Madanapuram (Village & Mandal)
Wanaparthy District
Telangana State-509110