



# Youth for Action KRISHI VIGYAN KENDRA

Madanapuram, Mahabubnagar Dist, T.S-509110



October -December 2023

Newsletter

No. 04

## Areas covered

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- Skill trainings under UNNATI project
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- Farmer Awards
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- KVK initiatives in farm and demo units
- Kisan Sarathi Mobile advisories
- Soil Testing analysis

Administrative Cum Office Building



## Training Programmes

A total of 24 training programmes conducted (Online/Offline) during the period October to December 2023 on different aspects related to crop production, plant protection in Agriculture, Horticulture and aspects related to Farm Mechanization, Agril. Extension and Women empowerment through income generation, value addition and nutrition for farmers, farm women, rural youth and extension functionaries of Mahabubnagar district. 1009 trainees were benefitted from these training programmes.



### Plant protection

#### FLD: Management of Tikka Leafspots and stem rot disease for Rabi Groundnut

- **Area and Beneficiaries covered:** 2.8ha with 7 farmers
- **Location:** Nirvin and Willam Konda Village
- **Technological intervention:** Soil treatment with Tebuconazole @ 1gm/ Kg seed Prophylactic Spraying of Hexaconazole @2ml/lit. at vegetative stage followed by Tebuconazole +Trifloxystrobin @0.4gm/lit. and at pod formation stage
- **Output:** Increase in yield by 41.71 % over farmer practice and by reducing the 2 fungicide sprays and save dRs.7750/- per Ha.

#### FLD: Management of Wild bores in Rabi Groundnut

- **Area and Beneficiaries covered:** 5ha with 10 farmers
- **Location:** Nirvin village
- **Technological intervention:** Spraying of egg solution 25 ml/lit of water upto10-14days followed by Scaring Wild boars with “Bio-acoustic equipment” (Kethi Rakshak) found effective up to 1.5 kms
- **Output:** 20-22 acers of groundnut crop was saved using this technology

#### FLD: Management of Fall Army Worm in Maize

- **Area and Beneficiaries covered:** 4ha with 10 farmers
- **Location:** Nelvidi and Chennaram village
- **Technological intervention:** Seed treatment with Cynatraniliprole 19.8%+ Thiamethoxam 19.8% @ 4ml/kg and need based spray with Azadiracthin 1000pppm@1ml at 15DAS, Metarhizium anisopliae @5gms per lit. of water was found effective
- **Output:** Crop is at grain filling stage



### Crop Science

#### CFLD: CFLD Blackgram in Rabi (TBG 129 and GBG 1)

- **Area and Beneficiaries covered:** 30 ha with 75 farmers
- **Location:** Gummadam, Ayyavaripalli, Pathapalli, Nirvin and Chennaram
- **Technological intervention:** Seed distribution and trainings on INM & IPM
- **Output:** Tolerant to YMV. TBG 129 recorded average 15.61 qtls/ha and 57.83 % increased yield over local check(T-9) whereas GBG 1 recorded 14.49 qtls/ha and 40.95 % increased yield over local check (T-9)





## Agriculture Engineering

### OFT: Assessment of Direct Seeder in Rice

- **Area and Beneficiaries covered:** 0.3 ha., 03 beneficiaries

### OFT: Assessment of Shedder cum Mulcher in cotton

- **Area and Beneficiaries covered:** 0.3 ha., 03 beneficiaries

### FLD: Mechanical Harvester in Redgram

- **Area and Beneficiaries covered:** 2.0 ha., 05 beneficiaries

## Horticulture

### OFT: Assessment of High yielding early variety in Water melon

- **Area and Beneficiaries covered:** 0.3 ha., 03 beneficiaries

### OFT: Assessment of Broccoli in Rabi under ID condition

- **Area and Beneficiaries covered:** 0.2 ha., 02 beneficiaries

### FLD: IPM for fruit fly Management in Cucumber

- **Area and Beneficiaries covered:** 0.6 ha., 03 beneficiaries

## Home Science

### OFT: Assessment on Millet based Complementary food mix as an enterprise

- **Location:** Chennaram village.
- **Participants types:** Women farmers -5 member and Lactating mothers 10 members
- **Activity description:** Explained Method of preparation of Millet Complementary food mix, nutritional values and health benefits. And also Conducted a consumer acceptability as per standard scale for overall acceptability.



## Agricultural Extension

### Extension studies: Impact of Technologies disseminated by the KVK in IPDM rice and IPM in Cotton since 2019 (Network Studies)

**Name of the activity;** Data collection on IPDM in rice and IPM in cotton

- **Area selected:** Apparala, Nelvidi and Kanimeta
- **Respondents type:** Beneficiaries

### Extension studies: Documentation of Success stories

- **Name of the activity;** Documentation of success stories on Kitchen Garden and WDSR and DDSR
- **Area selected:** Apparala, Chennaram
- **Respondents type:** Beneficiaries



### Skill training programmes

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

YFA-KVK, Mahabubnagar took part in the oneweek skill training program from 12.10.2023 to 19.10.2023 to MGNREGS workers in Vermiculture and Vermi compost making in collaboration with DRDA, Gadwal under Unnathi project at Undavelli Mandal, Gadwal District. Inaugurated by Mrs. Uma Devi DRDO, DRDA Gadwal and Sr. Scientist and Head, YFA-KVK. During Technical session, SMS-Agril. Extension conducted lectures on Organic farming, Sustainable farming components and role of earthworms /Vermi worms in Agriculture, site selection, preparation of vermicompost and vermiwash, precautions to be taken and spoke about cost structure of enterprise and created awareness on government support programmes in agri and allied sectors. To the programme DRDO Mrs. Uma devi, DRDA, Gadwal, Unnathi project officer, APOs were attended along with the trainees/MGNREGS beneficiaries.







### **Skill training to MGNREGS workers in Processing of Fruits and Vegetables**

YFA-KVK, Mahabubnagar took part in 05 days skill training program to MGNREGS workers in Processing of Fruits and Vegetables in collaboration with DRDA, Gadwal from 26.10.2023 to 31.10.2023 under Unnathi project at Undavelli Mandala and Shanthinagar village, Vaddepalli mandal, Gadwal District. The topics covered during technical session by SMS -Home Science were making of Tomato Ketchup, Sauce, types of pickles, curing techniques, defects and remedies, Jams and jellies preparation and its difference and Food safety Standards in Fruits and Vegetable preservation, Good Handling Processes (GHP).



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

YFA-KVK, Mahabubnagar took part in 03 days skill training program from 16.11.2023 to 18.11.2023 to MGNREGS workers in Vermiculture and Vermi compost making in collaboration with DRDA, Gadwal under Unnathi project at Shanthinagar village, Vaddepalli mandal, J. Gadwal District. During Technical session SMS -Agril.Extension specialist about Organic farming, Sustainable farming components and Role of earthworms /Vermi worms in Agriculture was explained to the trainees. DRDO, DRDA, Unnathi project officer DRDA-APOs were attended along with the trainees/MGNREGS beneficiaries.



## Significant events

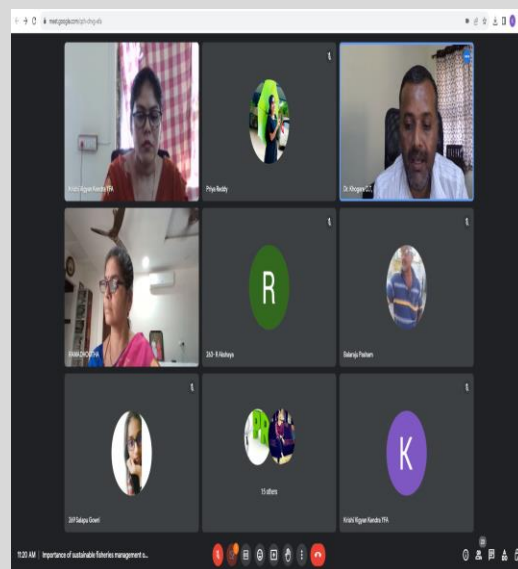
### World Food Day and Mahila Kisan Diwas

YFA-KVK, Madanapuram observed World Food Day and Mahila Kisan Diwas on 16.10.2023 at Chennaram of Revalli mandal of Wanaparthy district. As Part of it SMS (Home Science) Spoke about significance of World food day and Mahila Kisan Diwas and explained the role of Biofortified varieties in Nutritional security Followed by Sr.Scientist and Head, YFA-KVK enlightened the Importance of Kitchen Garden, Role of Organic farming in Nutritional security, Health Benefits of millets in a regular diet and encouraged women farmers towards entrepreneurship development. Later, Felicitated women farmers in the villages



### World Fisheries Day

YFA-KVK, Madanapuram organized Webinar on "Importance of Sustainable Fisheries Management" on the Eve of World Fisheries day on 22.11.2023 in order to bring the attention towards theme of 2023 i.e., "Celebrating the Wealth of Fisheries and Aquaculture". SMS (Agril. Extension) initiated with welcoming address and briefing about the importance of event. Sr. Scientist & Head encouraged the farmers, rural youth in taking up the fish farming as an enterprise. Prof. Dr.D.Nagalakshmi Associate Dean, College of Fisheries, Pebbair under PVNTVU, Hyderabad highlighted the sustainable fish farming technology Mr.D.Venugopal former Deputy Director lectured on Aquaculture and scientific fish rearing S.A.Rahman DFO Wanaparthy explained subsidy programme of state & central Govt. under fish sector



### Distribution of Srinidhi Poultry Birds (ATARI -SCSP)

YFA-KVK, Madanapuram organized Srinidhi poultry birds distribution under ATARI SCSP for the year 2023 on 6.11.2023. As part of the programme. SMS (Home Science) explained about Role of Backyard Poultry in Human Nutrition, making low cost Poultry feed for Productivity. Further under SCSP 100 no.of Srinidhi birds of Backyard Poultry have been distributed to 20 women farmers from Chennaram village of Revalli mandal Wanaparthy dist.





### **District stakeholders' workshop on Millet cultivation and value addition**

YFA-KVK, Madanapuram took part in District level stakeholder workshop on Millet Cultivation and Value addition organized by DA & FW, GoI Officials and District stakeholders with District collector, Mahabubnagar on 17.10.2023. During the workshop on behalf of YFA-KVK, Sr. Scientist and Head presented KVK activities on Millet cultivation and value addition. In later part of the programme DA & FW, GoI Officials interacted with District stakeholders and conducted field visit to Ragi field and millet processing unit in Mahabubnagar. SMS Plant Protection and SMS Agricultural Extension took part in the event



### **Attended Kisan Mela cum Agriculture Exhibition under special project on HDPS cotton.**

YFA-KVK, Madanapuram took part in Kisan Mela cum Agriculture Exhibition under special project on HDPS cotton at KVK, Palem on 4.11.2023. As part of it YFA-KVK Sr. Scientist and Head participated as Chief guest and delivered lecture on "Role of HDPS cotton technology for increasing yield for farmers income"



Dr.V.Sudha Rani, Director of Extension, PJTSAU, Dr.M.Malla Reddy (ADR,RARS,Palem), Dr.M.Pushpavathi (Associate Dean, Agril.College, Palem), Dr. Khogare D.T. SSH, KVK, Madanapuram, Sri.S.Vanisree (PS, Oilseeds), Dr.D.Shashi Bhushan (PS, Millets), Sri.K.Chandra Sekhar (DAO, Nagarkurnool), Sri.K.Lavanya Ramana Reddy (REC Member), Sri.D.Narayana (REC Member) and Dr.T.Prabhakar Reddy, (Programme Coordinator, KVK, Palem) are the guests of the programme. KVK, RARS, APT, AGC and DAATTC, Palem staff were participated.

### **Live telecast of PM Kisan Samman Nidhi**

YFA-KVK, organized "Live telecast of PM Kisan Samman Nidhi" of 15th installment under PM Kisan Samman Nidhi Programme on 15.11.2023. Arrangements were made for the viewing the speech of Hon'ble Prime Minister by the farmers and staff of the KVK. A total of 35 farmers, farm women and rural youth attended the programme along with KVK staff



### **Field day in Black gram Var:GBG-1**

YFA-KVK, conducted Farmers Field Day on Black gram variety GBG-1 on 16.12.2023. As part of the programme SMS-Plant Protection along with Sr. Scientist and Head explained about GBG.1 Varietal Characters, Shown incidence of Maruca pod borer, S.litura and Powdery Mildew disease and Suggested Suitable Management practices to farmers



### **National Farmers Day**

YFA-KVK, Madanapuram observed National farmers day on 23.12.2023 in Vivekananda Junior College, Kothakota. Sr. Scientist and Head highlighted the career opportunities in agriculture for the rural youth and the importance of skill trainings. SMS (Agri.Engg) explained importance of farmers day and its current year theme. SMS (Horticulture) has explained about the KVK mandated activities and the scope in the agriculture sector as an entrepreneurship



### **Swachhata Hi Sewa (Special Campaign 3.0)**

YFA-KVK, Madanapuram organized one month Swachhata activities Special Campaign 3.0 on campus and off campus. As part of this one-month (01.10.2023-06.11.2023) programme, KVK organized various activities concerning the primary objective which were centered around expeditious disposal of pending matters, efficient space management and the promotion of a clean and green environment and promoted the same with daily tweets of the activities in social media platforms.



### **VBSY (Viksit Bharath Sankalp Yatra)**

The Viksit Bharat Sankalp Yatra, a nationwide outreach initiative aimed at informing and empowering citizens about the Central Government's flagship schemes has started its campaign in Mahabubnagar district of Telangana, inaugurated on 16-12.2023

YFA-KVK arranged On-Campus PM live telecast in addressing this programme on 09.12.2023 and 16.12.2023, invited farming community to witness the programme besides thousands of VBSY beneficiaries from across the country virtually joined the programme. More than 2,000 VBSY vans, thousands of Krishi Vigyan Kendras (KVKs) and Common Service Centres (CSCs) from across the country were also connected. A large number of Union Ministers, MPs, MLAs and local-level representatives also joined the programme.



YFA-KVK Madanapuram took part from the day one of the campaign which were arranged in different villages of Atmakur and Amarchinth mandals.

Yatra is showcasing the positive impact of the Prime Minister's flagship schemes, with beneficiaries of Pradhan Mantri Jan Dhan Yojana, Ayushman Bharat, Kisan Samman Nidhi, PM PRANAM, Ujjwala Yojana, Jan Oushadhi, Khelo India, and Farmer Producer Company sharing their first-hand experiences in various mandals.

The drone demos were also being conducted in various places as part of the yatra showcasing the effective use of technology to enhance agricultural productivity.



### Farmers Producer Organizations (FPOs) activities

#### **Strengthening of FPO through Groundnut value chain**

YFA-KVK Organized Awareness cum farmer-scientist interaction programme at Kashimnagar village on Strengthening of FPO through Groundnut value chain on 7.11.2023. Sr. Scientist and Head, SMSs from YFA-KVK and Scientists from ICRISAT and PJTSAU interacted with farmers of Kashimnagar FPO concerning to Groundnut value Chain development, as more than 50 percent of the FPO beneficiaries are Groundnut growing farmers and created awareness on ICRISAT support in strengthening the Groundnut production and processing through CHC and oil extraction unit establishment. Besides, created awareness on the advantage for farmers about enrolling in FPOs, marketing opportunities, and technical demos provided by ICRISAT and PJTSAU. Participants: A total of 34 groundnut farmers, FPO directors, Dr. Purshotam Manager, AIP ICRISAT, Dr. Srinivas Associate Prof. PJTSAU, Dr. Navatha Scientist, Agronomy, RARS, Palem. Dr. Khogare SSH, Dr. G. Bhavani SMS-Agril. Extension, R. Anitha SMS Home Sci., Dr. Rachana, Research Associate, ICRISAT were participated.



### **Group meeting of FPOs on Custom Hiring Center development through ICICI foundation**

YFA-KVK, Madanapuram arranged group meeting on 12.10.2023, on campus among FPO farmers, Directors, involving Sr.Scientist and Head, SMS-Agril.Extension and SMS- Home Science with ICICI foundation team on CHC establishment within FPOs. SMS-Agril. Extension introduced the FPOs and their present working status and major crops grown, area irrigation facilities available projects linked etc.. Later Sr.Scientist and Head explained the activities of KVK and the technical support provided to FPO by KVK, later ICICI Foundation team explained their objectives of visit and interacted with FPO on CHC, later on planned a follow up meeting with FPO farmers in the village level.



### **WorkShop on Groundnut Value chain development in FPOs with ICRISAT.**

YFA-KVK, Madanapuram took part in Groundnut Value Chain workshop organized by ICRISAT on 10.10.2023, As part of the meeting, Sr. Scientist and Head, YFA-KVK gave information about Role of KVK in Groundnut value chain development. Dr. P. Raghu Rami Reddy (DOR, PJTSAU Hyderabad), Dr. Mala Reddy (ADR, RARS Palem), Dr. Janila Pasupuleti (Pr. Scientist, ICRISAT), Harshavardhan Mane (Associate Manager, ICRISAT), Dr. Ram Reddy (Dr. Ram Reddy, Scientist, RARS Palem), Dr. Srinivas Reddy, PJTSAU Hyderabad were participated.





### **Facilitating Market linkage to FPOs**

YFA-KVK, Madanapuram facilitated Market linkage to FPOs through ICRISAT-IFDC on 12.12.2023. As part of the programme, Ayekart, digital marketing platform, strengthening traditional businesses and agricultural value chain with finance, technology, and service. It is directly and indirectly associated with more than 22,000 farmers by supporting 31 FPOs. An agreement with YFA-KVK FPOs was prepared for future business through this digital platform



### **District level Review Committee on FPOs**

The Meeting was chaired by Shri Tejas Nandlal Pawar, IAS, District Collector & Magistrate, Wanaparthy on 20.12.2023, YFA-KVK, Madanapuram represented FPOs and shared their views in strengthening of FPOs through seed production and Processing activities and Honorable Collector appreciated the efforts of KVK and advised DAO, Wanaparthy to coordinate and facilitate in agribusiness and seed production activities with KVK for FPOs



### **RAWE Programme activities**

#### **Village attachments**

School of agricultural Science, Malla Reddy University collaborated with YFA-KVK, Madanapuram for RAWE programme, engaging 56 girl students of final year B.Sc. Agriculture on 28.10.2023. As part of village attachment 9 Villages and Host farmers were selected and be allotted to the students by each SMS. Each SMS is been coordinating each allotted village for the conducting RAWEP activities

#### **Orientation Programme at YFA-KVK, Madanapuram**

An Orientation Programme organized on 17.11.2023 at YFA-KVK, Madanapuram to make students get acquainted to the surroundings in the KVK campus, Gave them the overview of the KVK and about RAWEP and the related activities. Dr A Raji Reddy-Dean of Agriculture, MRU., Dr. Manohar Rao HOD Horticulture, MRU., Dr. Khogare D. T Sr. Scientist and Head., A. Masthanaiah SMS Agril. Engg., K. Suresh Kumar SMS Horticulture., R. Anitha SMS Home Science and Dr. G. Bhavani, SMS Agril. Extension, Dr. Greeshma Coordinator RAWEP, MRU. took part in the programme.

#### **Field Visits and Reviews**

YFA-KVK SMSs made a field visit with RAWE Students to different fields viz., Maize, Paddy, Cotton, Chili in their villages and recommendations were given accordingly, besides Monitoring Visit to the Villages of RAWEP Students were conducted by SMSs along with RAWEP coordinators from Mallareddy University.



### Farmer Scientist visits

**Scientist visits to farmers Fields:** YFA-KVK, Madanapuram conducted 50 scientist visits to farmer fields from October to December, 2023 during their visits, 347 farmers were advised on crop production and protection, the major advisories on leaf eating Caterpillar, Tikka leaf spot in groundnut, IPM in CFLD redgram, Fruit and Vegetable cultivation technology major advisories on IPDM measures such as powdery mildew, fruit rot, Black thrips in Chilies, ICM in mango besides under farm Mechanization water management in cotton and chilli and value addition in millet advisories provided, visits made to IFS units and collected data on impact of KVK technologies and made a visit to Pebbair and Kashimnagar FPO to witness the activities at provided advisory on groundnut seed production, cold press oil unit development CHC establishment and marketing linkages.







**Farmer visit to KVK:** From October to December 2023, 357 farmers, Farm Women & Rural youth visited YFA-KVK to get advises on crop production and plant protection aspects covering major crops in the season like paddy, groundnut, redgram, Mango, Acidlime and information of seed, sampling material, Farm Mechanization, Farmer Production Organizations and Value addition etc.

### Farmer Awards

Mr. Ravi Sagar, from Wanaparthy District received the Millionaire Farmer of India Awards 2023 organized by Krishi Jagran on Dec, 2023 6<sup>th</sup> to 8<sup>th</sup> at IARI, Pusa, New Delhi. He is an enthusiastic young farmer who took steps towards organic farming in Horticulture besides entered in to Processing sector, he started enterprise on cold pressed oils (Sesame, Groundnut, Coconut) and created his own enterprise named “Sahaja Angadi”. He is earning Rs. 27,32,350/- annually.



He is the proud farmer of YFA-KVK, Madanapuram who is ambitious, hard working with inquiring mind.

### DA&FW, GoI officers visit to KVK

On October 18, 2023, DA & FW, GoI representatives made a visit to KVK and had meeting with the SMSs regarding Krishi Mapper application for CFLDs at YFA-KVK, Madanapuram. As part of the visit, Sr. Scientist and Head gave a presentation on KVK technical activities during the meeting, and gave them a tour of the demonstration units and instructional farms at KVK. During the visit, GoI personnel demonstrated the Kishi Mapper application in a field setting in the selected CFLD farms accompanied by KVK SMSs besides DA & FW officers received input on the application from the staff.



### Initiatives taken for KVK instructional farm and Demonstration units

During this quarter i.e., October to December, under Farm activities weed management in Paddy seed production farm, Sapota, Mango orchards and then removed unwanted plants from KVK farm as whole. Under demonstration units, for vermicompost production purchased 15 tractors of FYM and paddy straw for initiated bed filling in the units.



### Kisan Sarathi & M-Kisan Messages

A Total of 54 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 October to December 2023

### Soil Testing Analysis

A Total of 83 soil samples were analyzed during the months of October to December 2023.

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