Youth for Action
KRISHI VIGYAN KENDRA
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AREAS COVERED

Capacity building Programmes

OFTs and FLDs

Significant events

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

Soil analysis

Capacity building programmes

Capacity building programmes include Trainings and Skill trainings organized during July to September, 2024. A total of 14 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 686 participants.

Trust area	Discipline
Good Agriculture practices in field crops	Plant protection
Soil health management	Plant Protection
Integrated Pest and disease management in Khari crops	Plant protection
Export quality measures in fruit crops	Plant protection
Good Agriculture practices in major fruit and vegetable crops	Horticulture
Seed to seed mechanization in field crops	Agri.Engg
Sustainable agriculture practices through IFS	Agril.Extension
Integrated Nutrient Management in field crops	Agril.Extension
Sensitization on digital solutions in agri and allied sectors	Agril.Extension
Nutritional security for Farm women and Children	Home science
Value addition in vegetables and Fruits	Home Science

OFTs and FLDs

From July to September 2024, YFA-KVK conducted 6 OFTs (On-Farm Trials) and 6 FLDs (Front Line Demonstrations) across various disciplines, focusing on major district crops like Paddy, Cotton, Chilli, and Millets, as well as horticultural crops like Mango, Oil Palm, and Cucurbits

OFTs

Title of the event	Activity conducted/ advisory given under OFTs	Area (Ha.)	No. of farmers beneficiaries
Management of South Asian Flower Thrips in Chilli	Installation of White, Blue sticky traps@40/acre, spraying with Azadiractin 1500PPM@5 ml/lit., need based spray of Spinosad@0.3ml and sparying of Cholopyriphas 50EC@1.5ml on soil reduced the pest incidence. Crop is at fruiting stage.	2.4	06
Management of Bollrot disease in Cotton	Collection and destruction of disease bolls from the field. Spraying of Azoxystrobin 18.2%+Difenconazole 11.4% @1 ml to manage external boll rot and sparying of Streptocycline@ 1gm+Copperoxychloride (COC) 50WP@30gms. in 10 lits. Of water check the boll rot diseases. Crop is at Boll formation stage.	2.4	06
Assessment of Integrated Pest and Disease management in Rice	-Formation of Alleyways and implementing alternative wetting and drying -Erection of pheromone traps @ 3 per acre and light traps 1 per acre September incidence for monitoring -Application of Chlorantraniliprole 0.4G granules @ 4kg/acre, need based spraying with pymetrozine 50 %WG @ 0.6g against BPH and spraying of trifloxystrobin + tebuconazole 1 gm. /lit. helped in control sheath blight, Neck and False smut disease effectively. Crop is at Grain filling stage.	3.2	08
Assessment of suitable inter crops in young Oil palm orchards	-During Oilplam Juvenile phase, lot of area is left open (1st year- 95%, 2nd year- 85% and 3rd year-70%) hence, -Advised to intercrop with Chilli (Treatments T1: Oilpalm + Chilli) -Advised to intercrop with groundnut (Treatment T2: Oilpalm + Ground nut) -Farmers practice: Oil palm (sole cropping). As utilization of inter space to produce more output per unit area.	2.0	05
Assessment of hand-operated portable grader for millet processing	-Assessed a hand-operated portable grader for millet processing. It showed that this grader cleans Finger millet, Sorghum, and Pearl millet more efficiently than traditional methods, reducing grain loss and saving time and labour.	-	05
Assessment on Development of Millet based Supplementary	-Five women farmers from Pamireddy Palli and Chikkaepalli were demonstrated to developed a millet weaning mix using Finger millet, known for its high calcium content (344 mg) and easy	-	05

weaning mix	digestibility, Pearl millet, rich in iron, and Foxtail millet, the highest in protein. -A trial was demonstrated to the farmers on the formulated mix and evaluated physical parameters such as bulk density and water absorption.		

FLDs

Title of the event	Activity conducted/ advisory given under FLD	Area (Ha.)	No. of farmers beneficiaries
Management of Para Wilt disease in Cotton	Imposed treatments with drenching with Carbendazium+Mancozeb@2.5gm/lit spraying of 2% urea foliar spray and provide adequate drainage to avoid water logging the field during heavy rains. Crop is at boll formation stage.	4.0	10
Integrated pest Management for Rhinoceros beetle in Oil palm	-Application of course sand at the basin of young plants -Keep Naphthalene balls in perforated sachets in inner most leaf axils. -Application of Metarhizium anisopliae into breeding sites (FYM, dead logs etc) -Installation of pheromone traps (oryctalure) @ 1 per acre. -Spray application of Lamdacyhalotrin @ 1 ml per litre of water	2.8	07
Integrated pest Management for fruit fly in Cucurbits	-Removal of cotyledonory leaves, Mass trapping with Cuelure traps (15/acre) + Chemical spray application (spinosad @60ml/acre or emamectim benzoate @80 gms/acre, -Azadirachtin 3000 ppm @ 1 lit/ acre)	1.6	08
Integrated Crop Management in Mango	-Pruning (Canopy Management) in June-July months, application of 50 kg FYM, 2 kg urea, 5 kg SSP and 1.5 kg MOP per tree, -Foliar application of micro nutrient mixture in august- September months. -Advised Integrate Pest and Disease Management.	3.2	08
Demonstration of Cono weeder in management of weed in direct seeded Paddy.	-Demonstration was held in Thirumallai Palli village to introduce the cono weeder for effective weed management in direct-seeded rice fields. Direct seeding, especially with drum seeders, poses weed control challenges. The cono weeder efficiently manages weeds, reduces labour, and enhances soil fertility. Farmers were informed about these benefits and taught how to use the cono weeder in their fields.	-	01
Demonstration on performance of solar drying equipment for dehydration of moringa leaves	-Tested solar drying for dehydrating moringa leaves. It achieved faster drying due to high internal temperatures, stabilizing weight loss after 2.5 hours at ambient temperature. This method effectively produces quality moringa leafy spice powder.	-	05



Management of Bollrot disease in Cotton



Management of South Asian Flower Thrips in Chilli



Assessment of Integrated Pest and Disease management in Rice



Hand-operated portable grader for processing



Millet based Supplementary weaning mix



Management of Para Wilt disease in Cotton



ICM in Mango



Solar drying equipment for dehydration of moringa leaves



Cono weeder in management of weed in direct seeded Paddy.

Significant Events

1. Skill training programmes under 100 days action pan of ATARI Zone X.

A. Skill training on Millet processing, Value addition and its market feasibility



From July 15 to 20, 2024, a skill training program focusing on millets was conducted by SMS (Home Science) who discussed the nutritional benefits and market potential, as well as bakery techniques for millet products, including hands-on cookie preparation. SMS-PP covered millet cultivation, while SMS-Agricultural Extension addressed government support schemes for agribusiness development and marketing. The training also included cost analysis for processing equipment, focusing on operation and hygiene standards

B. Skill training on Organic farming and production of organic inputs.



A Skill training on organic farming and production of organic inputs was organized by SMS (Plant Protection) from 12.09.2024-19.09.2024, began with an overview of organic practices, including organic manures, composting methods, green manures, and bio-fertilizers. farmers made to visit organic farms and a practical demonstration of vermicompost preparation. The training also covered the role of earthworms in soil fertility, the vermicomposting process, its cost-effectiveness, and business opportunities besides they made a visit to KVK vermicomposting unit for hands-on experience and also learned about the preparation of organic inputs

C. Skill training on Plant protection equipments



A 05 skill development training program on plant protection equipment was conducted for 50 participants, including 25 farmers, farm women, and 25 rural youth, from September 12 to 18, 2024, as part of a 100-day initiative. SMS (Agri.Engineering) and program in-charge, discussed current trends in farm machinery and advancements in plant protection machinery, providing an overview on different sprayers.

Key benefits included hands-on troubleshooting techniques and insights into drone spraying entrepreneurship, also explained the differences between licensed and unlicensed drones. Dr. Vidhu Kumpurath, Joint Director NIPHM, Hyd. spoke about drone operation and safety. Participants also visited a local drone pilot, enriching their learning experience. The program concluded with a certificate distribution ceremony, where participants provided positive feedback.

D. Skill training on OilPalm Production-Good Agronomic Practices



From September 13 to 19, 2024, SMS-Horticulture conducted Skill training on Oil Palm Production-Good Agronomic Practices as part of the 100 days Initiative. DHSO, and other officials shared information on government schemes for oil palm. Followed by SSH (i/c), emphasized the need for skill programs in horticulture. SMS Horticulture, covered key practices like water and nutrient management, pest control, and harvesting. In later part of the programme, DGM of Per Unique Oil Palm Company, addressed farmers' queries. As part of skill training, a visit to the oil palm nursery was made to learn about seed production and nursery management.

E. Promotion of Agri -Entrepreneurship for FPO women farmers

As part of implementing 100 days activities in Promotion of Agri - Entrepreneurship for FPOs and SHGs, SMS (Agril. Extension) organized a programme for Women FPO -Mathamahila FPO of Narayanpet which was formed under the financial support of NABARD, Hyd. wherein SMS-Home science, took part in the programme, FPO primary dealing with the commodities such as Pulses (Black, Green and Redgram), paddy and groundnut, sesamum with small area under vegetable and fruits. As there is a scope to create and develop stronger business models and entrepreneurial strategies in the FPO. SMSs discussed the Agri-entrepreneurial opportunities suitable for the FPO such as Processing units for agricultural produce, Agro service centers and other agri-enterprises ideas such as seed production in millets and groundnut, commercial vermicomposting units, vegetable cultivation and marketing and extraction of edible oils from groundnut and sesamum.



F. Awareness on Natural Farming

Conducted awareness programme on Natural farming to women farmers of 7 villages. All SMSs & Staff participated and explained about the importance of Natural farming, Organic farming and Soil Health Management. SMS(PP) explained about components of Organic/Natural farming. He also explained in detail about Fermented Organic Manures, Compost making Methods, Vermi compost, Bio-Fertilizers, Green Manures and Liquid Fermented Organic Manures (Panchakavya, Jeevamurtham, Cow dung+urine, waste decomposer) preparation and use in field and Horticultural crops. Shown Natural farming Videos to farmers. Later women farmers were taken to Vermi Compost unit and explained about Preparation and use of vermi Compost.



2. SCSP Activities



Distribution of Ragi Var: PRS-38 seed to 10 SC women farmers under ATARI SCSP 2024-25





Distribution of vegetable seedlings for SC farmers and farm women under ATARI SCSP 2024-25



Distribution of Battery sprayers and Tarpaulin sheets to 72 SC farmers and Farm women under ATARI SCSP 2024





Distribution of Marigold seedlings and drumstick seedlings to farmer under ATARI SCSP 2024-25

3. Parthenium Eradication week

From August 16-22, 2024, an awareness and eradication program was conducted on-campus at KVK and off-campus at the village level and Primary Health Center to raise awareness about the importance of the Parthenium eradication program. KVK staff, along with farmers and the general public, participated in uprooting Parthenium throughout the week across various villages. SMS-Agri. Extension led the program, with all KVK staff and SMSs contributing to its successful organization



4. Global campaign on plant4Mother (Ek Ped Maa Ke Naam)



On August 21, 2024, an awareness and plantation event was held at KVK Instructional Farm for World Environment Day. Shri Nagi Reddy, DHSO, Wanaparthy was the Chief Guest and emphasized the benefits of plantation. 25 farmers and KVK staff participated. 80 saplings, including Badam, Drumstick, and Dragon fruit, were planted and distributed to farmers

5. Millet Recipe Contest

On August 30, 2024, a Millet-Based Recipe Contest was held in Pidampalli village, Narayanpet district, to promote millets in daily diets and encourage women's entrepreneurship. SMS (Home Science), spoke about the health benefits of millets and motivated women to explore millet-based businesses. Local women participated by preparing various millet recipes, which were evaluated by a panel including the Panchayat Secretary, Headmaster, and department officials. Prizes were awarded to the top five participants.



6. Poshan Maah

On September 5, 2024, as part of Poshan Maah celebrations, SMS-Home Science highlighted the importance of a balanced diet for healthy fetal development during pregnancy. She also discussed Nutri-Gardens, encouraging women to grow organic produce at home for better nutrition and self-sufficiency. CDPO of Atmakur, emphasized the need for food hygiene to prevent infections, especially for pregnant and lactating mothers, and encouraged regular antenatal check-ups



7. Swachhta Hi Seva



The Swachhata program was held from July to September, during which the KVK organized various cleanliness drives and awareness programs both on and off campus. These initiatives involved schools, the general public, farmers, officers, hospitals, SHGs. The KVK identified CTU site and worked on its transformation. Additionally, health check-ups for sanitation workers were conducted, and sanitation workers were honoured. The SMS extension took the lead in coordinating the program, with the active participation of all staff.

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

Scientist visit to Farmers fields

From July to September 2024, YFA-KVK, Madanapuram conducted 30 Scientist visits to farmer fields, advising 160 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, Pangal and Kashimnagar FPOs provided guidance on groundnut seed production, cold press oil units, and establishing marketing linkages.













Farmers visits to KVK

From April to June 2024, YFA-KVK received visits from 362 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 40 messages were sent to the 2,64,727 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 July to September 2024.

Soil and Water analysis

A Total of 381 soil and water samples were analysed during the months of July to September 2024.

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