



# e-NEWSLETTER



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## OUR SERVICES...

- Seed production in major pulses, oil seeds, cereals and millets
- Vermi-compost and vermi culture
- Soil and water testing facility
- Bio-cultures production
- Improved poultry breeds
- Incubator facility for hatching eggs
- Custom hiring centre for small and marginal farmers
- Drone facility for Agro-Chemical spraying
- Poly house and shade net facility for raising of vegetable nurseries
- Grafting of mango (Banganapalle) and fruit nursery facility
- Entrepreneurial development programmes under farm and non-farm sector
- Need based capacity building programmes for farmers, rural youth and extension functionaries
- RAWEP/Internship programmes for B.Sc. Agriculture students
- Agro-advisory services for Agri & allied sectors



**Shri Hanumantharaya Educational and Charitable Society**  
ICAR-ATARI-Zone-X, Hyderabad

**Krishi Vigyan Kendra**

Yagantipalle (V), Banaganapalli (M), Nandyal Dt. A.P-518124

## Capacity building Programmes

### Training on soil health management and vermicompost production

On 27.06.2024, Shri K.V. Ramanaiah, SMS (Soil Science) conducted training program on soil health management and vermicompost production to the farmers. Explained about soil sampling procedure and nutrient management based on soil test results. He also emphasized on nutrient management in major crops like Paddy, Ground nut, black gram etc. and distributed the critical inputs under technical programs.



### Training programme on production technologies in DSR Method of paddy cultivation

On 09.07.2024, Shri. M. Sudhakar, SMS (Agronomy), conducted training programme on direct seeding in paddy at Pandurangapuram village explained about need of direct seeding, advantages of over transplanting and management practices of direct seeding i.e seed rate, seed treatment, weed management, water management and fertilizer management etc. Later conducted farmer-scientist interaction session on weed management in all major crops in the area.



### Training on Natural Farming to MAOs and ADAs of Department of Agriculture

On 27.08.2024, KVK organized awareness cum training programme for MAOs and ADAs of Agril. department for integration of the concept into conventional farming. Sri. D. Balaraju, SMS (Plant protection) explained about the nine universal principles that guide the natural farming along with scientific evidences for 365 GDC, Polycropping, Mulching. And also explained about various natural farming inputs, their preparation and use for different purposes. Exposed the participants to live demo of Natural farming at KVK Vegetable block and explained the principles in adoption. Successful NF farmers have shared their experiences with the participants and answered some of their queries. In the Q & A session answered the questions of the participants to clarify various doubts in NF.







### Capacity building to RSK In-charges of Nandyal Dt.

On 7.08.2024 KVK Organized division wise one day capacity building programs to 411 RBK in-charges to meet the current needs of the farmers by covering 6 agriculture divisions of the district. Sri. Y. Muralikrishna, DAO, Nandyal participated in Allagadda and Dhane divisions, emphasized significance of extension functionaries especially RSK staff at panchayat level for transferring technologies to farmers. Sri. M. Sudhakar, SMS (Agronomy) explained crop production technologies for major crops of the divisions and climate resilient varieties for the same. Sri. K.V. Ramanaiah, SMS (SS) explained about Soil health management and nutrient management in major crops. Sri. D. Balaraju, SMS (PP) explained on use and integration of bio inoculants for sustainable agriculture. Sri. M. Adinarayana, SMS (Horti.) explained on production technologies in horticulture crops. Later RSK-In-charges interacted with scientist on different pest and disease, nutrient management practices in major crops in their jurisdiction.



### Production technologies in mango, turmeric and green chilli

On 02.08.2024, Sri. M. Adinarayana, SMS (Horticulture) conducted training on production technologies in horticulture crops. Briefed the ICM practices in Chilli, Mango and Turmeric crops. Conducted diagnostic field visit to chilli and mango suggested IPM practices for pest and diseases management. Explained the services and activities of KVK conducting through different technical programs. later Sri. M. Sudhakar, SMS (Agro.) highlighted the DSR method of paddy cultivation.



### Training programme on Backyard poultry management

Sri. A. Krishna Murthy, SMS (AH), Organized training programme for 30 farmers under NICRA project on Backyard Poultry management. Explained about housing, feeding and health management of Rajasri birds at backyards. Emphasized the importance of Azolla in poultry feeding and also its cultivation. Participants Visited livestock demonstration units. Later Supplied 625 Rajasri chicks of five weeks age to 25 farmers for demonstration under NICRA project by the hands of Dr. JVNS Prasad, Coordinator, AICRPDA and Dr. Kinjang, Regional project coordinator, C-SUSeS Project.





## Training Program to SHG women on Preparation of Masala Powders



On 17.09.2024, Smt. K. Lakshmipriya, PA (Home Science) organized Training program to SHG women on Preparation of Masala Powders as income generating activity at RS Rangapuram village. Imparted training on preparation of different Masala powders, packing, labeling and branding in a business mode as a livelihood intervention for SHG women.

## Capacity building Training to FPO members at Jupadu bunglow

Sri. E. Ravi Goud, SMS (Agril. Extn.), conducted training program and briefed the services and activities of the KVK. Explained the business opportunities and schemes for financing to the FPOs. Sri. M. Sudhakar, SMS (Agro.) explained the crop varieties in black gram, bengal gram and weed management practices for the same crops. Sri. D. Balaraju, SMS (PP) sensitized on good agricultural practices in management of pest and disease and usage of bio inoculants.



# Demonstrations

## Demonstration of Climate Resilient Technologies under C-SUCSeS Project



KVK Implemented Climate smart agriculture practices under Consortium for Scaling-up Climate Smart Agriculture in South Asia (C-SUCSeS) project in Kharif-2024. Demonstrated in situ soil moisture conservation practices by formation of conservation furrow in between rows of red gram for improving the soil moisture availability at the root zone. Promoted drought tolerant varieties in red gram (PRG-176) in 60 ac, short duration foxtail millet (SIA 3088) in 30 ac, and inter cropping

system with red gram+ foxtail millet (1:5) in 45 acres at katikavanikunta village. Constructed one of the effective, simple and relatively low-cost ex-situ rainwater harvesting structure i.e Farm Pond at Cherlokotturu village for efficient utilization of rainwater as well recharging of ground water. On 20.8.2024 Dr. Kinjang, Regional project coordinator, C-SUCSeS Project visited project implemented villages along with Dr. JVNS Prasad, Co-ordinator, AICRPDA to assess the climate smart agriculture practices. The team interacted with both scientists and farmers discussed the progress and scaling up the project.





## Demonstration of BBF Method of soybean cultivation



KVK Organized the demonstration of Broad Bed Furrow (BBF) method of soybean (Basara variety) cultivation under oilseed model village project in 100 ha at Sathanakota village of Nandikotkur mandal. Soybean cultivated by using four tyne raised bed planter to maintain elevated bed with 1.8-meter width. Deep furrows were made after every four rows to serve as conservation furrows. Farmers reported that, it helped to drain the excess water and conserve moisture during drought situations. In addition, they expressed it improves crop aeration resulting in insect & pest attack reduction with enhanced pod yields by 20% (120-130 pods/plant) with better quality coupled with reduction in seed rate by 15 percent.

## Demonstration of Organic farming practices in Paddy

KVK Organized demonstration on organic farming practices at Jillella and Govindapalli villages in 5 acres during kharf-2024. Provided critical inputs like vermicompost -200 kgs, Neem cake 100kgs, Neem oil 300 ppm 1 lit, NPK Consortium-1 lit. and pseudomonas 1 lit per acre to the farmers.



## Demonstration of HDPS Cotton sowing with manual push seed planter

Demonstrated HDPS (High Density Planting System) cotton sowing with twelve teeth manual push seed planter in 15 acres at Tharthuru village of Jupadu bunglow mandal. The average time taken for sowing of one acre with one single labour was 40 minutes. Accurate intra row spacing of 15 cm was observed and depth than manual sowing in HDPS cotton. Farmers opined that the technology is easy to operate and cost of the equipment is affordable. On an average with this equipment six to seven acres can be covered in a single day, which can overcome labour scarcity in peak season and cost effective to the farmers.



## Demonstration of spraying of GA3 for flower regulation in acid lime

Sri. M. Adinarayana, SMS (Horticulture) conducted demo on spraying of GA3 for flower regulation in acid lime in Marripalli village of Allagadda mandal. Supplied critical inputs Gibberillic acid, explained about flower regulation with Hormones in acid lime. Demonstrated foliar spraying of GA3 50 ppm in acid lime crop. Sensitized about nutrient deficiencies, pest & diseases management practices



## Special Events



### Awareness program on 17<sup>th</sup> installment of PM KISAN benefits

Organized live webcasting on release of 17<sup>th</sup> installment of PM KISAN benefits to the farmers on 18.06.2024. Conducted a farmer-scientist interaction on crop production technologies in rainfed crops and in situ moisture conservation practices for the same. One hundred and seventeen farmers participated in the event.

### Celebration of Breast-feeding week

World Breastfeeding Week was held in the first week of August every year, supported by WHO, UNICEF and Ministry of Health and civil society partners. The theme for 2024 is Closing the gap: Breastfeeding support for all. As a part of this, on 03.08.2024, Smt.K. Lakshmi Priya, PA (Home Science), conducted an awareness programme on Breast Feeding Week in collaboration with ICDS at Anganwadi Centre, Tellapuri. Explained about Importance of Breast Feeding, Balanced diets during lactating period and Importance of infant and young child feeding practices. Anganwadi workers, Supervisors, Pregnant and Lactating mothers participated in the Program



### Celebration of Golden jubilee year of KVKs

From 24.07.2024 to 25.07.2024 celebrated golden jubilee year of KVKs by lighting the golden jubilee torch symbolizing the spirit of KVK services to the farming community. In the programme explained about the historical events since inception of KVKs in the Indian agricultural extension system. Farmers from different parts of the district participated and shared their traveling with KVK in adoption of the technologies. On the second day programme was held at Nandikotkur division with HDPS cotton farmers. The historic movement started with taking over the symbolic torch from KVK Darsi and ended with handing over to KVK Banavasi on 25.07.2024 evening.



### Swachhata Hi Seva campaign 2024

In the spirit of special swachhata Hi Seva campaign 4.0, KVK carried out cleanliness and sanitation drive on daily basis from 17<sup>th</sup> September, to 2<sup>nd</sup> October 2024. Taken SHS -2024 pledge with aim to foster greater awareness and encourage community proactive actions towards building a cleaner and healthier India. Organized awareness programs at schools and adopted villages, by cleaning the premises and dumped segregated wastage into NADEP compost unit for conversion of waste to wealth.





## Awareness program on World Youth Skill Day-2024



On 15.07.2024, organized awareness program on world youth skill day-2024 with the theme of “youth skills for peace and development”. Explained the importance and need of skill to youth for advancement of society. Dr. G. Dhanalakshmi, Sr. Scientist & Head highlighted the significance of digital learning to meet the emerging opportunities. Addressed the challenges facing by present youth and offered suggestions. E. Ravi Goud, SMS (Extension) briefed the skill and entrepreneurship development initiatives taken by state and central govt.

## National nutritional week celebrations

Organized National nutrition week Celebrations On 04.09.2024 at KVK Campus with the Theme: “Nutritious diets For Every One”. Oriented on importance of nutrient rich diets for healthy life. Importance of balanced diets for different age groups, awareness on importance of low-cost Nutrient rich diets, nutritional deficiency disorders, Importance of nuri-cereals etc. thirty-three women farmers from surrounding villages participated in the programme



## Parthenium Awareness week at ZPHS High School, Nandavaram

On 19.08.2024, KVK Conducted parthenium awareness week at ZPHS School, Nandavaram village. Created awareness on the harmful effects of parthenium weed to humans, crops and milch animals. Briefed on Biological and chemical control measures for eradication of parthenium. Demonstrated spraying of slat solution (200 gm/lit water) for control of parthenium at school premises. Sri. K.V. Ramanaiah, SMS (SS), Sri. M. Sudhakar, SMS (Agro.), Sri. E. Ravi Goud, SMS (Agril. Extn.) participated in the program.



## Tree plantation event under # Ek Ped Maa Ke Naam # Plant 4 mother

KVK conducted plantation event as a part of mission LiFE and in connection with Ek Ped Maa Ke Naam campaign- A Tree in the name of mother-by planting 21 plants at KVK Premises and created awareness on importance of plantation for global sustainability. Created awareness to the school children's and farmers on importance of plants on maintaining sustainable weather conditions and removal of plastic wastage.





## Skill Training Programmes



### Skill Training Programme on Basic & Advanced Tailoring

Smt. K. Lakshmipriya, PA (Home Science) conducted Long Duration Skill Training Programme on Basic & Advanced Tailoring for Adolescent girls and Women, under Viksit Bharat 100 day's action plan program. Imparted drafting and stitching of long petticoats, Skirts, Middies, Nighties, Panjabi dresses of 5 types. Thirty women participants were trained under this programme for a period of one month.

### Skill Training Programme on Pickle Making for SHG Women

Organized three Days Skill training Programme on Pickle making as Income generating activity for SHG Women. Imparted training on home made based Pickle Making as entrepreneurial activity, briefed on process and raw materials used in pickle making and its importance in shelf-life enhancement. Demonstrated pickle making of Mango, Tomato, Brinjal, Drumstick, Green chillis, Onion, Cabbage, Mixed Vegetable, Coriander and Ginger.



### Skill Training to Rural Youth on Profitable sheep and goat farming

Organized five-day training programme to 30 SC rural youth on Profitable sheep and goat farming at KVK during 21<sup>st</sup> to 25<sup>th</sup> May 2024. Participants gained theoretical and practical knowledge on sheep and goat farming, including business models, disease management, feed management, and available loans and subsidies. Final day conducted field visit to different sheep farms at Kaipa, Shantinagaram and Balapanur. Inaugurating the training program, the chief guest Dr. Ch. Srinivasa Rao, Director of ICAR-NAARM highlighted the significance of sheep and goat farming in generating income and providing alternative employment in rural areas. He emphasized its contribution to the national economy through meat, fiber, and wool production. Dr. M. Balakrishnan, Principal Scientist and Chairman of SCSP at ICAR-NAARM, gave an overview of the SC Sub Plan program and encouraged trainees to pursue sheep and goat farming as a viable income source. During the valedictory session, participants received feeds and other necessary inputs, along with a booklet on intensive sheep farming management. The program was coordinated by Shri Krishnamurthy, SMS (Animal Husbandry),





## Workshops



### Workshop on Conservation Agriculture

A workshop on the prospects of conservation agriculture in the district was organized on 20.04.2024 with aim to embrace the conservation agriculture by addressing crucial aspects like soil health quantification, livestock integration, nutrient management, and scaling strategies. Scientists highlighted the need for sustainable farming practices to ensure long-term soil health, water conservation and enhance crop productivity. Explained components of conservation agriculture and emphasized on soil and water conservation practices in rainfed situations. Briefed the suitable implements which are used for conservation agriculture through Custom hiring center of the KVK. Later farmer who has cultivated bengal gram with raised bed planter shared experience on advantages of raised bed planter in maintaining of optimum moisture in the field.



### Brainstorming session on implementing GAP practices in cotton to meet Globalvalue chain

On 07.07.2024, KVK organized brainstorming session on possibilities of implementing the GAP practices in cotton cultivation to meet global cotton value chain. Karin Wilms, Sr. Institutional Business Developer, HNL, Netherlands, Dr. Shyam Kumar Katta, Program Director, PGPL, Hyderabad. Dr. AnamikaPriyadharshini, Director: Knowledge Management, Research & Design, PGPL, New Delhi. participated in the program and explained value chain management in cotton. Conducted Interaction session with farmers about the possibility of local varieties of cotton cultivation through environment friendly practices. Earlier Dr. G. Dhanalakshmi, SS&H, briefed the activities and services conducted through KVK in the district. Later visited demo units of KVK (Seed hub, Poly house, IFS units, Vermicompost units, Soil testing lab, Bio lab).

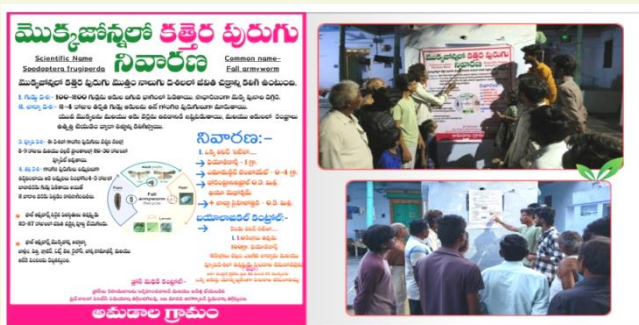




## Other Extension activities

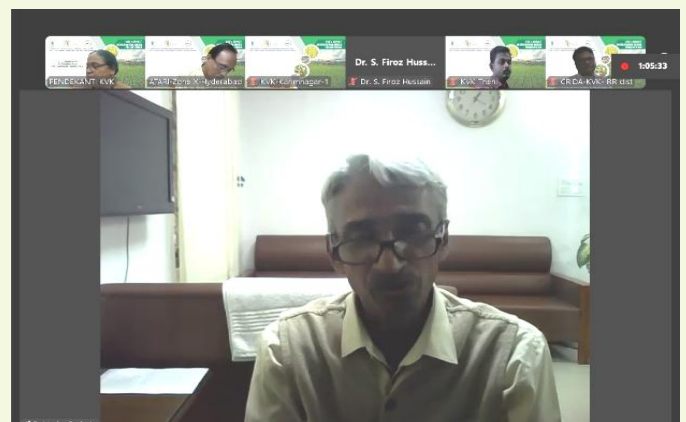
### Rural agricultural work experience program

KVK organized RAWE program to the final year students of B.Sc. (Hons.) Agriculture of ITM, Gwalior, & Sanskrit University, for 35 students with objective to provide hands on experience in finding gaps in farming and application of extension strategies to overcome the gaps. Each student attached with host farmer/family for 3 months to work with them to identify production, protection and marketing constraints. Students organized trainings, information corners to give real time agro-advisories, conducted agri-exhibition to showcase the solutions for the problems in the village. KVK conducted fortnight reviews of the activities, where students presented the gaps between farmer practice and recommended practices. Students were also briefed with regard to production, protection aspects of various crops cultivated by the farmers.



### Impact acceleration series presentation

On 27.09.2024 Dr. G. Dhanalakshmi, Sr. Scientist & Head, presented the impactful interventions undertaken by the KVK over years. Dr. Rabindra Nath Padaria (Joint Director, Extension, ICAR-IARI, New Delhi) joined as guest of honour congratulated the KVK for taking up activities that are of national importance like STCR, Seed production, Fodder bank, etc. Earlier Dr. Shaik N. Mera, Director, ICAR-ATARI Zone-X, Hyderabad, gave the initial remarks of the program. This series was started in 20.09.2024 in online mode with a time line of 72 weeks-72 KVKs-72 presentations allowing for wider participation and engagement within the KVK Network to facilitate cross learning and knowledge sharing among the KVKs.



### 1. Seminars/ Conferences/ Workshops attended:

- ✚ Dr. G. Dhanalakshmi, SS&H, participated in 'Workshop on Inclusive access to seed: Catalyzing sectoral synergies and tracking change' held at ICRISAT, Hyderabad from 29th-30th August, 2024.
- ✚ Sri. D. Balaraju, SMS (Plant Protection) Delivered lecture on Role of KVKs in Extension of Natural Farming for MOOCs on Natural farming organized by MANAGE, Hyderabad.

### 2. Awards/Honors:

- ✚ KVK Received **Best KVK Rolling Tropy award** for the year 2023 by receiving 12 appreciation certificates from different categories, presented during the annual zonal workshop-2024 of KVKs Zone-X organized at ICAR-CTRI, Rajahmundry during 25-27-June, 2024.
- ✚ KVK Received outlook group **Out Standing KVK** award at the 5<sup>th</sup> edition of 'Outlook Agritech Summit & Awards 2024' Organized by Swaraj Tractors at A P Shinde Auditorium, NASC complex, New Delhi on 9<sup>th</sup> September 2024 with the theme 'Future of Agriculture: Sowing the Seeds of Change'.



### 3. Exposure Visits to KVK:

Sl. No.	Organization	No. of Participants
1.	Exposure Visit of Animal Husbandry Assistants from Animal Husbandry Department, Govt. of A.P	160
2.	Students from S.V. Agricultural College, Tirupathi	15
3.	DAESI Batch from Adoni and Kurnool	80
4.	N.S Agricultural college, Markapuram	16
5.	JC Diwakar Reddy Agril. College, Tadipatri	39
6.	SKCAS, Ananthapuramu	62
7.	Shepherd Training Centre, Puapully, Nandyal Dt.	68
8.		
Total		445

### 4. Summarized data on KVK activities (From April 2024 to September 2024):

Sl. No.	Activity	No. of programmes	No. of Beneficiaries
1.	Training Programmes	82	3653
2.	Exposure visits to KVK	8	445
3.	Diagnostic field visits	108	363
4.	Animal health camps	4	75
5.	Workshops	1	82
6.	Brainstorming session	1	127
7.	Swachhata Hi Seva-2024	17	232
8.	Mobile Advisory services	563	1108
9.	Press Coverage	110	-
10.	Important day celebrations	9	349
Total Beneficiaries			6,434

### 5. Product and Services (From April 2024 to September 2024):

Sl. No.	Inputs	Quantity
1.	Cereals	488.40 qtl
2.	Pulses	712.79 qtl
3.	Oil seeds	14.76 qtl
4.	Milletts	695.09 qtl
5.	Vermi compost	99.87 ton.
6.	Vegetable seedlings	17,00,353.00 No's
7.	Fruit plants	1936.00 No's
8.	Poultry chicks	32.00 No's
9.	Ram lambs and goats	38.00 No's
10.	Vermiculture	1,052.00 Kgs
11.	Soil samples tested	658.00 No's
12.	No. of soil health cards issued	1,693.00 No's
13.	Water samples	59.00 No's
14.	Bio-inoculants	1,929.00 lt.



## 6. Literature Published:

Sl. No.	Title of the literature	Discipline	Nature of publication	No. of Pages
1.	Leaflet on Services and Activities of KVK.	Agril. Extension	Leaflet	1 page
2.	Backyard Poultry Farming	Animal Husbandry	Booklet	25 pages

## 7. Research Publications:

Sl. No.	Title of the literature	Author	Nature of publication	No. of Pages
1.	Sustainability and Diversification of Farming Systems	Dr. A. Krishna Murthy, SMS (AH)	Book	282 (Lambert Publishing Co.)
2.	Resilient integrated farming system models for doubling farmers income under changing climate	Dr. A. Krishna Murthy, SMS (AH)	Conference paper (National conference on Integrated farming, UAS, Bangalore)	PP. 33-37

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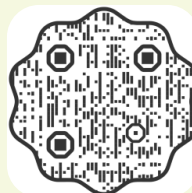
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