



e-NEWSLETTER



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Overall Best Performing KVK-2024 of ICAR-ATARI, Zone-X, Hyderabad

OUR SERVICES...

- Seed production in major pulses, oil seeds, cereals and millets
- Vermicompost and vermiculture
- Soil and water testing facility
- Bio-cultures production
- Improved poultry breeds
- 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

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Sri 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 Integrated Crop Management in Onion and Chilli



On 09.04.2025, Sri M. Adinarayana, SMS (Horticulture), conducted training on production technologies in horticultural crops with special focus on onion at Malyala and Tarthuru villages of Nandikotkur Mandal. He explained INM practices and the irrigation schedule along with the role of foliar nutrition during bulb development. Farmers were guided on suitable onion varieties and quality nursery raising techniques. The importance of IPM practices for sustainable onion cultivation was also stressed. An interactive session followed, where farmers' doubts on nutrient management, irrigation, varieties, and pest control were clarified effectively.

Training program on preparation of value added products with millet



On 24.06.2025, Smt K. LakshmiPriya, PA (Home Science), organized a training program for SHG women on preparation of value-added millet products. She highlighted the nutritional importance of various millets and demonstrated recipes for breakfast and lunch items. The program enhanced participants' knowledge and skills, promoting millet-based diets for improved health and livelihood opportunities.

Training on PMDS and its Importance



On 24.04.2025, KVK organized a training program on Pre-Monsoon Dry Sowing (PMDS), where the SMS (Plant Protection) highlighted its importance in utilizing vacant lands between seasons. The session covered the composition of the seed kit with 30 diverse varieties, their significance, dosage, sowing time, pelletization techniques, biomass production, equivalent organic manures, and benefits for the ensuing crop season. Methods of sowing were also demonstrated. A total of 400 PMDS seed kits, each weighing 15 kg, were prepared and distributed to NF farmers in Nandyal and Anantapur districts. Demonstrations were conducted in 104 farmers' fields, each covering one acre. Selected farmers also participated in the study to assess soil health before and after PMDS, with initial samples currently being collected.





Capacity building to RSK In-charges of Dhone Division of Nandyal Dt.

On 16.07.2025, KVK organized a capacity-building program for RSK In-charges of Dhone Division to address the current needs of farmers. Dr. G. Dhanalakshmi, Sr. Scientist & Head highlighted the importance of rainfed farming and the role of KVK in promoting oil seed and pulse production. Sri M. Sudhakar, SMS (Agronomy), discussed crop production technologies and climate-resilient varieties. Sri K.V. Ramanaiah, SMS (SS), emphasized soil health and nutrient management in major crops. Sri D. Balaraju, SMS (PP), elaborated on the use of bio-inoculants for sustainable agriculture, while Sri M. Adinarayana, SMS (Horti.), explained improved production technologies in horticultural crops. The session concluded with an interactive discussion, where RSK In-charges shared field-level problems and sought solutions on pest, disease, and nutrient management practices relevant to their operational areas.



Training programme on production technologies Oilseed crops

On 09.07.2025, Sri M. Sudhakar, SMS (Agronomy), conducted training programme on production technologies for oil seeds at Dhone village explained about suitable varieties for rainfed agriculture and production technologies 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 programme on Scientific management of lambs and kids to reduce mortality

On 09.09.2025, Sri K.V. Ramanaiah, SMS (Soil Science) conducted training program on soil Test based nutrient management in cotton and explained INM practices in Cotton. 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 Scientific management of lambs and kids to reduce mortality



On 18.08.2025, Sri A. Krishna Murthy, SMS (AH), Conducted a training programme at Gosanipalle and Thimmapuram villages of Dhone mandal. Farmers were educated on care and management of lambs and kids during the pre-weaning stage, importance of minerals, and benefits of salt licks. Conducted demonstration on use of milk replacer developed by NIANP, Bangalore. Salt licks along with milk replacer were distributed to 20 shepherds.

Capacity building Training to FPO members at Jupadu bungalow and Kothapalli

On 22.09.2025, 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 Seedling dip method of Paddy with pseudomonas

KVK Conducted demonstration to ensure better growth, better tillering and resistance against pest and diseases in paddy. Rice seedlings of age 30-35 DAS were dipped in bio-inoculum solution (Pseudomonas + NPK Consortium @ 1 lit. each per 100 sq. feet) for 15 to 20 minutes before transplanting. For this a 10*10 sq.feet nursery plot is prepared allowing 2 inches of water to stand in it. In this Pseudomonas + NPK Consortium are added @ of 1 lit./each and mixed well. The rice seedling, plucked from the nursery are kept in the bed for 15 to 20 min. for absorbing the bio-inoculant solution and then transplanted. Same nursery field used for treating three batches of nursery seedlings. Observations on plant growth, No. of tillers, root density were recorded at 30, 45 DAT. It is recorded that as below.



Intervals	Plant Height (cm)		No. of Tillers/hill		Root density	
	Treated	Untreated	Treated	Untreated	Treated	Untreated
30 DAT	102	84	28	19	Thick	Sparse
45 DAT	118	95	39	21	robust	Weak

Observations regarding the yield, yield parameters & pest resistance will be recorded in due course of time.

Demonstration of BBF Method of soybean cultivation



KVK Organized demonstration of Broad Bed Furrow (BBF) method of soybean (Basara variety) cultivation under FLDs in 50 ha at Sathanakota and Malyala villages of Nandikotkur mandal. Soybean cultivated by using six 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 furrow. Farmers reported that, it helped to drain the excess water and conserve moisture during drought situations. In addition, they expressed it improved 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 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 5 cm 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 on application of trichoderma culture for management of fusarium wilt in chrysanthemum

Sri M. Adinarayana, SMS (Horticulture), conducted a demonstration on the management of Fusarium wilt using Trichoderma culture at Seetharamapuram village of Bethamcherla mandal in Kharif 2025. In the demonstration a mixture of FYM (90 kg), Neem cake (10 kg), and Trichoderma (1 lit.) was prepared and incubated for 15 days before application to the field, prior to transplanting. He also, recommended spraying COC @ 3 g/lit. or Captan @ 3 g/lit when wilt symptoms are observed in the field. He also advised farmers to adopt crop rotation with non-host crops like Sorghum, Maize, Blackgram, Sesame, Mustard etc. Also advised seedling dip treatment with Trichoderma solution and COC at the time of transplanting for effective wilt management and healthy crop establishment.



Special Events



Live webcasting of 20th installment of PMKISAN

KVK Organized live telecast of 20th installment of PM KISAN SAMMAN NIDHI. Briefed about the benefits of PM KISAN program. Organized farmer scientist interaction meeting on major Agri and Horticulture crops of the district. Emphasized the importance of soil health management, pest and disease management for major crops. Chief guest Sri Bhupal Reddy, Special Deputy Collector, SRBC, Nandyal, Sri Rajasekhar Reddy, Chairman, Water user Association, Sri Syed Mohammed Ali, Zonal manager, Coromondal Ltd. Emphasized the importance of agriculture and chemical less farming.

Poshan Pakhwada campaign-2025



Conducted Poshan Pakhwada 2025 from April 8th to May 22nd under Mission Poshan 2.0 to promote nutrition, health, and hygiene. Dr. G. Dhanalakshmi (SS&H) and Smt K. Lakshmi Priya (PA, HSc.) actively participated in the campaign and highlighted the objectives and significance of the Poshan Pakhwada initiative. Awareness was created on the importance of nutrition during the first 1000 days of life and the adoption of a healthy lifestyle to prevent childhood obesity. Exhibits showcasing value-added food products and green leafy vegetables were displayed to emphasize their nutritional benefits.

Celebration of ICAR Foundation Day

On 16.07.2024, ICAR Foundation Day was celebrated at Dhone Division, highlighting ICAR's significant contributions to agricultural research, education, and development in India. Dr. G. Dhanalakshmi, SS&H, and M. Sudhakar, SMS (Agronomy), participated and emphasized global production scenarios of major crops and ICAR's Transfer of Technology (TOT) schemes. The programme witnessed active participation of 65 farmers and 40 extension functionaries from the Department of Agriculture, fostering awareness on ICAR's pivotal role in agricultural advancement.



Swachhata Hi Seva campaign 2025

In the spirit of special Swachhata Hi Seva campaign 2025, KVK carried out cleanliness and sanitation drive on daily basis from 17th September, to 2nd October 2025. Taken SHS -2025 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.



National nutritional week celebrations

National Nutrition Week was celebrated on 03.09.2025 at Kasturba Gandhi Balika Vidyalaya, Sirvella with the theme “Eat Right for a Better Life.” Students were oriented on the importance of nutrient-rich diets and balanced nutrition for different age groups. Sessions highlighted adolescent nutrition, food groups, deficiency disorders with emphasis on anemia, and the hazards of junk food, underscoring the significance of National Nutrition Week. The programme was coordinated by Smt K. Lakshmipriya, (PA), H.Sc.



Parthenium Awareness week at ZPHS High School, Nandavaram

On 22.08.2025, KVK Conducted parthenium awareness week and 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 salt solution (200 gm/lit water) for control of parthenium at school premises. Sri M. Sudhakar, SMS (Agro.), Sri M. Adinarayana, SMS (Horti.) and Sri E. Ravi Goud, SMS (Agril. Extn.) participated in the program.



Viksit Krishi Sankalp Abhiyan (VKSA) Kharif-2025

Conducted Viksit Krishi Sankalp Abhiyan from May 29th to June 12 20225 with an objective to create awareness on modern agriculture practices, disseminate information about Govt. Schemes, use of soil health cards, Judicious use of chemical fertilizers and collect feedback from farmers on the grass root innovations. The campaign covered 19,463 farmers across 136 villages in 28 mandals of Nandyal district. Scientists from ICAR-IIMR, Hyderabad, and officials from State Department of Agriculture actively participated. The inaugural session was graced by the District Magistrate of Nandyal, Smt G. Rajakumari. She urged farmers to integrate agriculture with dairy and livestock sectors for diversified income and long-term sustainability.



Skill Training Programmes



Skill Training Programme on Basic & Advanced Tailoring

Smt K. Lakshmi Priya, PA (Home Science) conducted long duration Skill Training Programme on Basic & Advanced Tailoring for rural adolescent girls and women with objective of enhancing skill & creating a sustainable income source at Dhone from 17.06.2025 to 18.07.2025. Imparted drafting and stitching of long petticoats, Skirts, Middies, Nighties, Panjabi dresses of 5 types. Thirty women were trained under programme for a period of one month.

livestock entrepreneurs meet on Profitable sheep and goat farming

Organized entrepreneur meet to 30 rural youth on Profitable sheep and goat farming at KVK on 26th May 2025. Dr. A. Krishnamurthy, SMS (AH) coordinated the programme and participants gained theoretical and practical knowledge on sheep and goat farming, including business models, disease management, feed management, and available loans and subsidies. In the Inaugural session Dr. G. Dhanalakshmi, SS&H, highlighted the significance of sheep and goat farming in generating income and providing alternative employment in rural areas. She emphasized its contribution to the national economy through meat, fiber, and wool production.



Workshops



Workshop on Soil test based nutrient management

Organized a workshop on the soil test based nutrient management on 24.04.2025 with an aim to create awareness on STCR based nutrient management in major crops of the district. Session highlighted nutrient deficiencies of major crops and their management. Programme was coordinated by Sri K.V. Ramanaiah, SMS (Soil Science) and participated by 180 farmers from different villages.



Exhibition at Diamond Jubilee celebrations of ANGRAU, Lam Guntur

On 29.04.2025, as part of the Diamond Jubilee celebrations of ANGRAU, Lam, Guntur, organized an exhibition stall showcasing posters on NICRA interventions, HDPS cotton, and value addition activities. The stall also featured KVK literature, bio-inoculants, and millet-based value-added products.

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, with an objective to provide hands on experience in finding gaps in farming and application of extension strategies to overcome the gaps. Each student was 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.



Exposure visits to KVK

From April 2025 to Spetember-2025 485 farmers, 326 students and 80 extension functionaries visited to KVK and gained first hand information about the demonstration units.



1. Awards/Honors:

- ✚ KVK Received **Best KVK Rolling Tropy award** for the year 2024 by receiving 10 appreciation certificates for different categories, presented during the annual zonal workshop-2025 of KVKs Zone-X organized at VIT, Vellore, Tamil Nadu, 02-04-September, 2025.
- ✚ **Dr. G. Dhanalakshmi, SS&H**, Received Eruvaka Foundation **Best scientist- Extension Professional 2023**, presented during Kisan Mahotsav at K L University, Guntur September 25-26, 2025.
- ✚ **Smt K. Lakshmipriya, PA (H.Sc.)**, Received Eruvaka Foundation **Best Scientist- Extension Professional 2024**, presented during Kisan Mahotsav at K L University, Guntur, 25-26, September, 2025.



- ✦ **Sri T. Naga Seshaphani**, received ICAR-CRIDA **Best Innovative Farmer Award 2025**, presented during 41st Foundation Day of ICAR – CRIDA at Hyderabad-500059, 12th, April, 2025.
- ✦ **Mr. Anjaneyulu** of Veepanagandla village of Miduturu Mandal has received **Best Farmer Award** (under SC sub plan category) from NAARM, Hyderabad.



Sri T. Naga Seshaphani, Illurukothapeta (v), Nandyal (dt.), A.P.
Mr. Anjaneyulu, Veepanagandla (v), Miduturu (M), Kurnool (dt.), A.P.

3. Exposure Visits to KVK (From April 2025 to September 2025):

Sl. No.	Organization/category	No. of Programmes	No. of Participants
1.	Shepherd Training Centre, Puapully, Nandyal Dt.	21	432
2.	DAESI Batch from Adoni and Kurnool	1	80
3.	B.Sc (Ag.) students from SKCAS, ATP, JCDAS-Tadipatri, Agril College, Mahanandi	1	250
4.	students from Sri Ramakrishna Degree clg, Nandyal, Sri vyshnavi college, Dhone	1	76
5.	Farmers from TVS Trust, Allagadda	1	30
6.	CRPs of TATA Trust, Puapully	1	23
Total		27	891

4. Summarized data on KVK activities (From April 2025 to September 2025):

Sl. No.	Activity	No. of programmes	No. of Beneficiaries
1.	Training Programmes	119	20928
2.	Exposure visits to KVK	3	774
3.	Diagnostic field visits	16	98
4.	Animal health camps	3	80
5.	Workshops	1	148
6.	Agril. Exhibitions	1	162
7.	Swachhata Hi Seva-2025	5	116
8.	Mobile Advisory services	693	340084
9.	Press Coverage	324	-
10.	Important day celebrations	5	268
Total Beneficiaries		1170	362658

5. Product and Services (From April 2025 to September 2025):

Sl. No.	Inputs	Quantity
1.	Cereals	1008.10 qtl
2.	Pulses	854.93 qtl
3.	Oil seeds	194.39 qtl
4.	Millets	108.77 qtl
5.	Vermi compost	106.329 ton
6.	Vegetable seedlings	1077858.00 No's
7.	Fruit plants	1452.00 No's
8.	Poultry chicks	1860.00 No's
9.	Ram lambs and goats	11.00 No's
10.	Vermiculture	1244.00 Kgs
11.	Soil samples tested	1466.00 No's
12.	No. of soil health cards issued	3034.00 No's
13.	Water samples	16.00 No's
14.	Bio-inoculants	2460.00 lt.

6. Literature Published:

Sl. No.	Title of the literature	Discipline	Nature of publication	No. of Pages
1.	Siri Pantalu & Vantalu	Agril. Extension	Booklet	54 pages
2.	Kharif preparedness	All disciplines	Folder	6 pages

7. Research Publications:

Sl. No.	Title of the literature	Author	Nature of publication	Journal Name	Volume
1.	Influence of landholding size on the adoption of climate resilient technologies and agro-advisory services	Dr. G.Dhanalakshmi	Research Article	Int. J. Agril Extn. & Socil. Dev.	Volume 8; Issue 5; May 2025; Page No. 808-811
2	Scenario of climate smart Agriculture schemes and pathways for sustainable agriculture in India	Dr. G.Dhanalakshmi	Conference Paper	National seminar on "Climate smart innovations to address the current Agronomic Challenges"	27-28 June, 2025
3	Evaluation of Different Chick pea Based Cropping Sequences in Rainfed Vertisols of Nandyal district of Andhra Pradesh	Sri M. Sudhakar	Conference Paper	National seminar on "Climate smart innovations to address the current Agronomic Challenges"	27-28 June, 2025
4	HDPS cotton: A pathway for higher yields in rainfed situations	Sri E.Ravi Goud	Research Article	Int. J. Res. Agro.	SP-8(7): 252-255
5	Assessing the growth performance of livestock under two layer live stock farming in rainfed farming	Dr.A. Krishnamurthi	Research Article	Int. J. Vet. Sci. Anim. Husband	10(8):368-370

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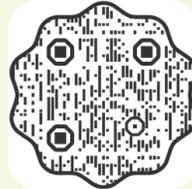
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