



# e-NEWSLETTER



**Shri Pendekanti Venkata Subbaiah**  
Former Minister of State for Home & Parliamentary Affairs, Governor of Bihar and Karnataka, Founder of SHE & CS., Sanjamala.

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- 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
- Animal health camps
- Incubator facility for hatching eggs
- Custom hiring centre on farm machinery to small and marginal farmers
- Drone facility for Agro-Chemical spraying
- Establishment of food processing units

- 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 RY, PF, FW& EF
- 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

## Krishi Vigyan Kendra

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

# Capacity Building Programs



## Training to extension functionaries on soil sampling, testing and interpretation

On 11.04.2023, Sri. K.V. Ramanaiah conducted training program to extension functionaries of the department of agriculture on soil sampling, testing and interpretation. Explained on soil test based nutrient management and precautions to overcome nutrient deficiencies in major crops of the district. Conducted method demonstration on Quartering method of soil sampling collection. The District Agricultural Officer, Nandyal, Asst. Directors of Agriculture, Mandal Agricultural Officers and RBK In-charges participated in training programme.



## Kharif -2023 Preparedness programmes

KVK Organized Kharif preparedness programmes at Nandikotkur, Rudravaram and Dhone mandal head quarters. Senior Scientist & Head SMS (Soil Science), SMS (Agronomy) and SMS (Extension) participated and briefed about the importance of soil testing and cost reduction aspects of soil test based fertilizer management. Briefed the management practices for soyabean -bengalgram sequence cropping for better income. GAP practices for rainfed agriculture were also dealt and initiated CFLDs in Dhone division. Later interacted with farmers and discussed on significance of collective farming for better price realization.



## Training program on HDPS Cotton at Devanur in 30 DAS

KVK Organized a Training program on HDPS Cotton under special cotton project of ICAR-CICR for targeting technologies to agro-ecological zones in large scale demonstrations with best practices to enhance cotton productivity at Nandikotkur and Midthur mandals. The technology was demonstrated in 50 ac area with 19 farmers by following 90x15 cm spacing with by involving Rasi Seed Pvt. Ltd. under rainfed situation. Briefed about the project and advantages of HDPS in comparative to conventional spacing in red or light black soils under rainfed conditions. Explained about INM, IPM and crop canopy management practices.

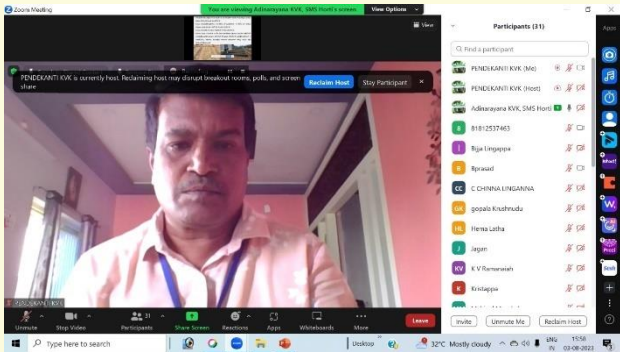






### Training on Management of Critical Pests and diseases in Chillis

Sri. D. Balaraju, SMS (Plant Protection) conducted online and offline trainings on pest and disease management in chilli. Discussed about various problems faced during last season in chilli cultivation and gave the strategy to be followed this year for better management of the crop with respect of soil management, pests and diseases, IPM strategies, use of bio inoculants etc. Stressed 5 points viz., 1. Application of FYM or Growing Green manure crop and its incorporation before sowing/transplanting, 2. Application of Trichoderma, Pseudomonas, NPK consortium, Beauveria and Metarhizium along with FYM/Compost at the time of sowing, 3. Continuous use of Jeevamritham along with Pesticide sprays, 4. Use of Beauveria, Verticillium, Metarhizium, Pseudomonas in sprays alternately with chemicals, 5. compulsory use of Sticky traps (Yellow, Blue and White @ 40, 30,30/acre) well early in the crop season and growing Jowar/Bajra/Maize as border (3 or 4 solid rows) to prevent cross movement of pests and drift of sprays and viral particles.



### Management practices of chrysanthemum and banana

On 16.08.2023, Sri. M. Adinarayana, SMS (Horticulture) Conducted training programme on management practices of chrysanthemum and banana at Setharamapuram village of Bethamcherla mandal. Explained about the soil health management with integrated nutrient management, cultural practices in chrysanthemum like pinching, mulching, drip irrigation etc, briefed about the pest and disease management in banana and chrysanthemum. And distributed the critical inputs like GA3 for vegetative growth and flower yield in chrysanthemum and Propiconazole, Mancozeb for management of sigatoka disease in banana under FLDs.



### Training programme on Backyard poultry farming for additional income and nutrition security

On 16.09.2023, Sri. A. Krishna Murthy, SMS (AH), Organized training programme to SC farmers at Vipana Gandla village of Nandikotkuru mandal with the objective of promoting backyard poultry farming for additional income and nutritional security in specific. Explained about importance and advantages of backyard poultry and Characteristics of Rajasri poultry and its performance at backyards. Explained about the project on backyard poultry to be implemented in the village under NAARM SC SP programme..





## Training Programme on Importance of Nutricereals in daily menu



On 07.06.2023, at Dornipadu, Organized Training Programmeto farm women on Types of Millets, Processing Of Millets, and Establishment of Mini Millet Processing Units at Village level for Income generation, Nutritional and Health Benefits Of Nutricereals, its Importance in Combating Malnutrition and Life Style Diseases etc. Orientation was also given on Various Recipes with Millets like breakfast, lunch and dinner items and ready to drink beverages.

## Capacity building program to FPOs at Bollavaram village, Nandikotkur Mandal.

Sri. E. Ravi Goud, SMS (Extension) conducted Capacity building Training program to FPO members of Shri Bhramarambika Sree Sakthi FPO at Bollavaram of Nandikotkur Mandal. SS&H, SMS (AH), and SMS (Horti.) participated and explained on services and activities of KVK. Briefed on Advantages and entrepreneurial opportunities of FPOs, Govt. supporting schemes for sustaining FPOs, benefits of NLM scheme and Horticulture subsidy schemes to FPOs.



## Demonstrations

### Demonstration of rejuvenation in old and senile mango orchards

Sri. M. Adinarayana, SMS (Horti.) Conducted demonstration on rejuvenation of old and senile mango orchards at Banaganapalle. Sensitized the process of rejuvenation by removal of old twigs and restoration of new shoots, and created awareness on thinning of shoots in rejuvenated plants. Intertwingle, diseased and dead branches were removed; thereafter undesirable branches of unproductive trees are marked. At the end of September, these marked branches are beheaded at 1.5 to 2.0 meter from distal end and the cut portions are coated with copper oxychloride solution. During November-December, number of new shoots will emerg around cut portions of the pruned branches. Only 3 to 4 healthy and outward growing shoots will be retained at proper distance for a good frame-work development in the following years.





## Demonstrations

### Demonstration of climate resilient technologies in NICRA Project

on 29.08.2023, Demonstrated in situ soil moisture conservation practices by formation of conservation furrow in between rows of red gram field for improving the soil moisture availability at the root zone. A marine weed extract solution called Bio-prime was sprayed using drone technology into the Korra fields, which were suffering from moisture stress due to the prolonged dry spell. Smt. G. Dhanalakshmi, SS&H, Sri. M. Sudhakar, SMS (Agro.), P. Vishnu mohan Reddy, SRF, NICRA and M. M. Sohil, Agri. Engineer were participated and convinced farmers to follow the in-situ moisture management practices.



### Demonstration of Mating disruption technology for pink bollworm management in cotton

On 30.09.2023, Sri. D. Balaraju, SMS (PP), conducted method demonstration on application of CREMIT paste for PBW management at Nandikotkur. It is an innovative pheromone based technique that interferes with the reproductive cycle of PBW. Applied 250 mg/plant at 10-15 cm from the top of the plant and covered 400 plants/ac using 125 gm of paste. If needed, it should be applied at 60, and 90 DAS. It is an environmentally acceptable and economically advantageous method of control for pink boll worm in cotton



## Entrepreneurship Development Programs

### Promotion of Intensive sheep and goat farming

Sri. A. Krishna Murthy, SMS (AH) Conducted training programme to the farmers and rural youth on "Intensive Sheep and Goat farming" on 27.5.23. Explained about the advantages of intensive farming, National Livestock Mission programme for sheep and goat farming, double layer livestock system. Visited demonstration units. Explained about the incubator developed at our KVK.



### Orientation on Farm and Non-Farm Based Livelihoods For EDP Promotion

On 19.05.2023, Smt. K. Lakshmi Priya, PA (Home Science) Organized orientation Programme on Farm and Non-Farm based Livelihoods for Income generation. Addressed participants on establishment of individual women led enterprises in the area of Farm and Non-Farm sector. Project Director, DRDA, Area Managers, Assistant Project Managers and Cluster Coordinators Participated in the program.



## Special Events



### 100th Episode of Mann ki Baat

On 30.04.2023, KVK Organized live streaming of 100th episode of PM's Mann ki Baat programme. Honble PM Modi described his connection with the popular monthly radio programme and said that it has become a 'spiritual journey' for him. Addressing multiple social groups such as women, youth and farmers and has spurred community action. 82 participants form different areas of district were attended and listen the program.

### Celebration of world environment Day

On 05.06.2023 celebrated world environment day by plantation and cleaning of KVK premises. Scientists and students participated actively and removed the plant debris and other plastic materials in the premises and converted it to NADEP compost for further decomposition. Later organized meeting and sensitized the importance of world environment day and mission LiFE campaign to the participants.



## Field Day

### Field day on Management of fruit fly and bagging of fruit covers in mango

On 08.05.2023, Sri. M. Adinarayana, SMS (Horticulture) Conducted field day on management of fruit fly and bagging of fruit covers in mango at Krishnagiri village. Briefed about the importance of fruit covers and pheromone traps to management of fruit flies in mango. Showcased the difference of fruit color, quality, appearance, pest & diseases, market prices in bagging fruits.



**95th ICAR Foundation and Technology Day:** On 16/07/2023, Celebrated 95<sup>th</sup> ICAR Foundation and technology day by exhibiting stall depicting the new technologies in agriculture. Explained about significant achievements of ICAR in advancing of Indian agriculture and betterment of farming community. Later watched live streaming of foundation day celebrations from NASC Complex, New Delhi. Second day conducted training program on natural farming importance in current farming situations. Third day organized training on direct seeded rice to reduce cost and water usage and pest .





# Special Events



## Awareness program on 14<sup>th</sup> installment of PM KISAN Samman Nidhi

On 27.07.2023 organized live webcasting on release of 14<sup>th</sup> installment of PM KISAN benefits from Sikar ,Rajasthan. One hundred thirty seven farmers participated in farmer –scientist interaction session with honest conversation on natural farming and best management practices to reduce cost of cultivation in rainfed conditions.

## Meri Maati Mera Desh Program

Organized Meri Maati Mera Desh program on 14.08.2023. During the ceremony, Collective pledge was taken with soil in hand and uploaded in the dedicated website. Created awareness on importance of the program and conducted swachhata activity by cleaning the campus premises by involving the trainees of APSSDC and scientist of KVK.



## Parthenium awareness week at Balapanur

17.08.2023, Sri. M. Sudhakar, SMS (Agronomy) and Sri. E. Ravi Goud, SMS (Extension) conducted parthenium awareness week at Balapanur village and created awareness on harmful effects and briefed on biological, chemical management practices to control the weed. Also demonstrated 20 per cent salt solution for controlling parthenium.



## Celebrations Of National Nutrition Week at Kasturbha Gandhi Balika Vidyalaya

On 02.09.2023, Smt. K. Lakshmi Priya, PA (Home Science) Organized National Nutrition Week Celebrations at Kasturbha Gandhi Balika Vidyalaya, Banaganapalle with the theme of Healthy Diet Gaining Affordable for All. Delivered messages on Nutritional importance of different food groups, nutritional deficiency disorders, importance of balanced diets, diet during adolescence, nutritional importance of nutria cereals, Hazards of junk foods etc..







### Interface Meeting with Director ATARI-Zone-X, Hyderabad

On 11.05.2023 Director Dr Shaik. N. Meera, ICAR-ATARI-Zone X, visited the different demo units of the KVK, and inaugurated the incubator designed and manufactured by KVK. In this connection inter face meeting was held which was presided by Sri. P. Balaji, Secretary SHE&CS, KVK. Director interacted with the farmers and farm women regarding the agriculture practices to meet the present marketing demand and supply through advanced ICT tools. Released booklets on Management practices for DSR method of Rice cultivation and concoctions preparations in Natural farming. Officials involved: Dr. Shaik N. Meera, Director, ICAR-ATARI-Zone-X, Hyd., Dr. J. V. Prasad, Principal Scientist, ICAR-ATARI, Zone-X, Sri. P. Balaji, Secretary, SHE&CS KVK, Yagantipalli, Smt. G. Dhanalakshmi, SS&H, Sri. G. Suresh Kumar, AO, SHE&CS, and Scientists of KVK.



### Exhibition in G-20 Summit at Hyderabad

On 4.09.2023, Organized exhibition in G-20 summit at Hyderabad with regard to Technical workshop on Climate change in agriculture organised by CRIDA on behalf of the zone X. Displayed climate resilient crop varieties and live sample of proso, barnyard, foxtail, bajra and value added products of millets. Posters were displayed with regard to participatory seed production activities and calf registration programme at NICRA villages. And also participated in the workshop.



### KVK facilitated as FET Centre for 113th FOCARS of newly recruited ARS scientists.

KVK Facilitated FET Training to the newly recruited ARS Trainees from 113<sup>th</sup> FOCARS team of NAARM, Hyderabad. Field Experience Training was conducted for 19 days, by allotting Cherlokothur village. Provided opportunity for gaining first-hand experience and insight into agricultural and rural development scenario in general and the farming situation in respect of the theme based enterprises in particular. Scientist-trainees e interacted with the farming community and gained insight into their livelihoods through multi-disciplinary and participatory approach and presented possible solutions in village seminar.





## Long duration Trainings



### 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 thirty Adolescent girls and Women at JMJ Social Service Society, Koilakuntla under SCSP componen. Imparted drafting and stitching of Long petticoats, petticoats, Skirts, Middies, Nighties, Panjabi dresses of 5 types and blouse making.

### DAESI Training Programme to Input Dealers

KVK initiated one year DAESI Training Programme to input dealers on 17/06/2023. Oriented on location-specific crop production technologies of broad-based agriculture with reference to field problems. Briefed guidelines of the programme to dealers and explained significance of program in terms of cost reduction. Smt. Varalakshmi, PD, ATMA & DAO, Kurnool Dt., Sri. T Mohan Rao, DAO, Nandyal participated as chief guest for the inaugural program and briefed on the importance of the input dealers on supply of quality agro-chemicals (seed, pesticides and fertilizers). Forty dealers from from surrounding mandals joined the programme.



### Nursery worker Skill training under APSSDC

KVK, organized 2 months skill training program to unemployed youth with aim of building key competences to run the nursery in horticulture crops under APSSDC. Sri. M. Adinarayana, (SMS) Horticulture was the course in-charge. Created best learning situation with 40 percent theory classes and 60 percent practical classes. Seed and seedlings identification, mother block maintenance, propagation techniques, designing aspects of different structures in nursery and nutrient, pest and disease management were taught and students gain hands on experience on major propagation techniques like grafting, air layering, cuttings, Budding etc.

### Promotion of Climate-Smart Agriculture (CSA) Practices in rainfed farming

Conducted demonstrations on climate resilient technologies at Katikavanikunta under C-SUCseS (Consortium for Scaling-up Climate Smart Agriculture in South Asia) project by promoting cultivation of climate resilient varieties of medium duration varieties in Red gram (PRG-176, LRG-105)in 15 ha, Setaria (Suryanandi) in 25 ha and inter cropping of Red gram + Setaria with 1: 5 ratio in 15 ha, and other millets (bajra, Proso millet, little Millet) in rainfed farming.



## Group Discussions



### Group discussion with farmers about establishment of sheep units under National Livestock Mission

On 25.09.2023, Sri. A. Krishna Murthy, SMS (AH) Conducted group discussion with the farmers from Nandikotkuru and Dhone mandals about establishment of sheep and goat units under National Livestock Mission. Explained in detail about the process of application. Mr. Goutham, Business Manager, Union Bank of India, Kurnool explained about bank loan process.

### Group discussion on performance of Banana FPO

On 15.09.2023 Sri. M. Adinarayana, SMS (Horticulture), Sri. E. Ravi Goud, SMS (Extension) Conducted group discussion performance of banana FPO at Bukkapuram village, Mahanandi mandal. Interacted with FPOs famers and explained about best management practices in banana like fertigation schedule, bunch feeding, bunch covers, varieties, and value added products. Suggested remedial measures to overcome pest and diseases in banana.



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

- ✚ SMS (Soil Science) Participated in National Seminar on **Biochar-Stats & opportunities** at National Institute for Micro Small and Medium Enterprises, Hyderabad, during 17-18, August, 2023.
- ✚ SMS (Plant Protection) attended training program on **Fall army worm management in Maize** at NIPHM, Hyderabad during 11-12, September, 2023.
- ✚ SMS (Agril. Extension) participated in National Conference on '**NexGen Extension for Evolving Resilient Agri-Ecosystems**' (NEERAE2023) at PJTSAU, organized by EEI, Southern region, 25-27, September, 2023.

### 2. Awards/Honors:

- ✚ KVK Received **Best KVK Rolling Trophy** award for the year 2022 by receiving **19 appreciation certificates** from different categories, presented during the annual zonal workshop of KVKs of ICAR-ATARI-X held at TNAU, Coimbatore during 17-19-August, 2023.
- ✚ SMS (Animal Husbandry) received Eruvaaka Foundation award in the category of **Best Veterinary extension professional**, during 19<sup>th</sup> August, 2023 at KL University, Vijayawada.





### 3. Exposure Visits to KVK:

Sl. No.	Organization	No. of Participants
1.	Sri Krishnadevaraya College of Agriculture Sciences, Ananthapur	43
2.	G.M. Ag. Poly technique College, Nandyal	57
3.	Priyadarsini E.M. School, Banaganapalli	136
4.	Pendekanti Public School, I.K Peta, Banaganapalli	60
5.	DAESI Batch from Yemmiganur, Kurnool dt.	40
6.	Watershed farmers from SRED, Kalachatla Village through NABARD	40
7.	Shri Kotturu Bhasaweswara Women Farmer FPO, Raichur, Karnataka	34
8.	Shepherd Training Centre, Dhone	45
	<b>Total</b>	<b>455</b>

### 4. Summarized data on KVK activities (From April 2023 to September 2023):

Sl. No.	Activity	No. of programmes	No. of Beneficiaries
1.	Field Days	1	57
2.	Training Programmes	100	4006
3.	Exposure visits to KVK	8	455
4.	Diagnostic field visits	150	461
5.	Animal health camps	5	107
6.	Swachhata Pakhwada	12	224
7.	Mobile Advisory services	84	42800
8.	Press Coverage	98	-
9.	Important day celebrations	10	557
	<b>Total Beneficiaries</b>		<b>48,667</b>

### 5. Product and Services:

Sl. No.	Inputs	Quantity
1.	Seed	1327.16 qtl
2.	Vermi compost	148 ton.
3.	Vegetable seedlings	15,44,625 No's
4.	Fruit plants	2091 No's
5.	Poultry chicks	1905 No's
6.	Ram lambs and goats	23 No's
7.	Vermiculture	1196 Kgs
8.	Vermiwash	5.00 lt.
9.	Soil samples tested	990 No's
10.	No. of soil health cards issued	2061 No's
11.	Water samples	37 No's
12.	Bio-inoculants	2515 lt.
13.	Incubators	4 No's

## 6. Literature Published:

Sl. No.	Title of the literature	Discipline	Nature of publication	No. of Pages
1.	Flyer on Drone services of KVK	Agril. Extension	Pamphlet	1 page
2.	Poster on KVK Services	Agril. Extension	Poster	1 page
3.	Integrated Crop management in Vegetable Crops (Telugu)	Horticulture	Popular Article (Dr. YSR Rythu Bharosa Magazine)	May-34-35
4.	Commercial cultivation of Roses (Telugu)	Horticulture	Popular Article (Dr. YSR Rythu Bharosa Magazine)	July 20-21

## 7. Research Publications:

Sl. No	Title of the paper	Author of publication	Name of the journal	Year & Volume
1.	Empirical Evidence of climate smart agricultural practices in scarce rainfall zone of Andhra Pradesh	G. Dhanalakshmi, M. Sudhakar & A. Krishna Murthy	The Pharma Innovation Journal	2023, SP-12 (9): 521-527
2.	A Field Study on UAV Technology in Agro-Chemical Spraying	E. Ravi Goud, G. Dhanalakshmi, M. Adinarayana and M. Sudhakar	International Journal of Agriculture Sciences, ISSN (E): 0975-9107	2023:15(7): 12476-12478
3.	Relationship of BCS, physical and post-mortem parameters with live body weight and dressing percentage in Nellore Brown rams	A. Krishna Murthy	The Pharma Innovation Journal	2023: 12(7): 328-332

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