

# Dr YSRHU e-Newsletter

Fortnightly e-Newsletter of Dr Y.S.R.Horticultural University



Vol.X, Issue-19

Dr YSRHU e-Newsletter

1-15 October 2024



## Fortnight Focus

- The Events
- Education
- Research
- Extension
- General

## From Vice- Chancellor's Desk

### SWATCHATA PAKHWADA

Swachhata Pakhwada, meaning "cleanliness fortnight" in Hindi, is a special campaign initiated by the Indian government to promote cleanliness and sanitation across various sectors of this society. It is observed annually as part of the Swachh Bharat Mission, focusing on making sanitation and cleanliness a mainstream activity within government institutions and programs. During this pakhwada, special emphasis was made to improve current cleanliness levels in all the office premises of Dr. YSRHU, i.e. disposal of scrap/waste materials, say no to single use plastics, weeding of unnecessary files and records, segregation of non functional e-waste and special drive to improve green cover in the campuses.

The message of Hon'ble Prime Minister, that the Swachh Bharat Mission is beyond politics, inspired by patriotism, on 2<sup>nd</sup> October all the staff pledged that '*na mai gandagi karoonga, na mai gandagi karne doonga*' (I shall not litter and won't allow anyone to do so). We further flagged off a walkathon in the main campus, which will continue forever, as part of the Swachh Bharat campaign, which is not just a slogan, but our responsibility.

Strongly believing in the Gandhiji's idea of cleanliness, all the 44 institutions under Dr. YSRHU are implementing the Swachath-He-Seva programme in order to keep the working environment clean and green. Special drives as per the directions of government of Andhra Pradesh are organised on campaign mode.

**"One step towards cleanliness is one step towards progress"**

  
**Dr. K.Gopal**  
Vice-Chancellor

## The Events

### Mahatma Gandhi's 155<sup>th</sup> Birth Anniversary

The 155th birth anniversary of Mahatma Gandhi was celebrated across all institutions under Dr. Y.S.R. Horticultural University with great enthusiasm and reverence. The events highlighted Gandhi's principles of truth, non-violence, and self-reliance, connecting them with sustainable agricultural practices and rural development.



## Education

On 01.10.2024, as part of Swachhata Hi Seva Campaign, NSS volunteers involved in cleaning the Government institution premises. They collected and removed the single use plastic waste and weeds around the Village Secretariat premises in Oguru village. The NSS volunteers sprayed bleaching powder in the drainages and wet places of Oguru village. Mrs. Durga, Panchayat Secretary, NSS volunteers and villagers have actively participated in the programme.



Second year students, NSS volunteers of HPT, Kalikiri harvested 3.5 Kg of green Chillies on 15-10-2024 and sold to staff and hostel kitchen mess, as a part of PHMP 101 course work and Dr.YSRHU Year of Chilli 2024 activity.



## Extension

### Polam Pilustundi

On 01.09.2024, Dr. M. Raghavendra Reddy, Scientist (SS&AC) Dr YSRHU -KVK Venkataramannagudem participated in the "Polam Pilustundi" programme at Garavavaram and explained about the nutrient management of Paddy and Oil Palm.



On 01 October 2024, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram participated in Polam Pilustondi program at Sydapuram village & mandal, Nellore District and explained about better cultivation practices and pest & disease management in Acid lime. Mr. E. Anand, Horticulture Officer, Podalakur, MAO of Sydapuram and farmers are participated.



On 01.10.2024, Dr. S. Firoz Hussain Scientist (Hort.), KVK, Vonipenta attended Polam Pilustomdi at Mittamanupalle and Pappanapalle villages of Mydukur mandal organised by Dept. of Agriculture and explained about cultivation details of major horticultural crops like turmeric, banana, onion chillies, tomato etc and also discussed about nutrient management and plant protection measures.

On 01.10.2024, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram participated in Polam Pilusthondi programme organized by Department of Agriculture, Venkatagiri Division at Yathaluru and Vallivedu Villages, Venkatagiri Mandal, Tirupati Dist and explained about high yielding varieties in Paddy, Blackgram and Groundnut, Seed treatment, Rajashri poultry birds rearing as backyard poultry and importance of soil testing and usage of bio-fertilizers.



On 01.10.2024 Sri.G.Shali Raju, Scientist (Entomology) Dr.YSRHU-MRS,Nuzvid participated in the Polam Pilustondi programme at Annavaram Village in Nuzvid Mandal, Eluru District and explained about Importance of bio - fertilizers and bio- pesticides in paddy and horticulture crops.

On 03 October 2024, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram participated Polam Pilustondi programme organized by Department of Horticulture at Papamambapuram village, Venkatagiri mandal, Tirupati District and explained about better cultivation practices and pest & disease management in Acid lime.



On 03.10.2024 Dr.I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram Participated in Polam Pilusthondi programme of Dept. of Agriculture, Govt of A.P at Alimili and Nindali villages of Balayapalli mandal of Tirupati district and explained about suitable high yielding varieties in Paddy, Black gram, Groundnut, Integrated crop management, Integrated nutrient management and dry root rot management in Acid lime.

On 03.10.2024, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. B.S. Kanthi Sri, Scientist (Home Science), KVK, Vonipenta participated in Polam Pilustondi programme organized by Department of Agriculture, Mydukur at Veeraballe Village. Enlightened the farmers about package of practices in tomato and suggested the control measures to be taken to control insect pests and diseases in tomato and explained the farmers about the control of fruit flies in mango



On 03.10.2024, Dr.Venkata Satish Kuchi, Scientist (Horticulture), Dr YSRHU-KVK, Venkataramannagudem attended as resource person to Polam Pilustondi programme organised by Agriculture department at East Chodavaram village of Nallajerla Mandal. Delivered lecture on cultivation of cucurbitaceous vegetables.



On 08-10-2024, Dr. B.Vijayasree, Scientist (Home Science), Dr.YSRHU- KVK, Nellore 2 (Periyavaram) participated in Polam Pilusthundi programme in convergence with Department of Agriculture at Jangalapalli & Petlur villages of Venkatagiri mandal, Tirupati District and created awareness on Horticultural crops especially on cultivation of vegetables and establishment of nutri-gardens for ensuring nutritional security for farm families

On 08.10.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta participated in Polam Pilustondi programme organized by Department of Agriculture, Mydukur at Kothapalli Village and suggested the farmers to spray the following chemicals to control sigatoka leaf spot in banana.



On 08.10.2024, Dr. B. K. M. Lakshmi Principal Scientist (Pl. Path) Dr.YSRHU-MRS,Nuzvid participated in the "Polam Pilustondi programme" at Vadlamanu Village in Agiripalli Mandal, Eluru District and explained mango nutrients and pest management

On 09.10.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta participated in Polam Pilustondi programme organized by Department of Agriculture, Mydukur at Annaluru Village, suggested the farmers to spray Thiamethoxam @ 0.5 gram per litre to control Fall army worm in Maize and enlightened the farmers about the importance of seed treatment and installation of blue sticky traps in vegetable crops.



On 09.10.2024.Sri.G.Shali Raju, Scientist (Entomology) Dr.YSRHU-MRS,Nuzvid participated in the Polam Pilustondi programme at Mukkallapadu Village in Nuzvid Mandal, Eluru District and explained about Good Agricultural Practices in Mango.

### Swachhata Hi Seva Program

On 02-10-2023, Dr.YSRHU- KVK, Periyavaram, scientists conducted Swachhata Hi Seva Program at KVK premises and at instructional farm of KVK, Periyavaram, Venkatagiri, Tirupati District on the occasion of Swachh Bharath Diwas celebrations.



02.10.2024: Dr.YSRHU- Krishi Vigyan Kendra, VR Gudem has conducted the Swachhata He Seva program conducted in the campus and cleaned around the KVK Admin block building.

## PM-KISAN

On 05.10.2024, live screening of release of 18th instalment of funds under PM-KISAN was conducted by KVK, Periyavaram. Conducted Farmer-Scientist interaction programme. Explained about importance of soil health in Horticulture crop production.



On 05.10.2024, KVK, Vonipenta organized Live screening on release of 18<sup>th</sup> instalment of Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme.

## Training programmes organized

On 03 October 2024, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted a training program on "Flower regulation in Acid lime for getting higher yields during summer- Cycocel spraying" as a part of Impactful interventions in Acid lime for the year 2024-25 at KGR palem village, Sydapuram mandal, Nellore District.



On 04.10.2024, KrishiVigyan Kendra, VR Gudem has initiated the 15 days Skill training program on Banana fibre extraction at Vhinjaram. 20 women participants were took part in the program.

On 05.10.2024, Dr. B.S. Kanthi Sri, Scientist, Home Science, KVK, Vonipenta conducted a programme on Poshan Maha Programme with Cluster ICDS officers and Anganwadi workers at KVK,Vonipenta. . Dr. M. Balakrishna, senior scientist and Head chaired the programme.



Two days training programme cum exposure visit on "Natural farming" was conducted by. M. Raghavendra Reddy, Scientist (SS&AC), Dr YSRHU-KVK Venkataramannagudem on 05<sup>th</sup> and 08<sup>th</sup> October 2024.

On 7.10.2024 Dr.I.Rajeevana, Scientist (Soil Science) conducted Training programme on "Importance of soil testing and methodology of soil sample collection" at M.D.Kandriga village of Venkatagiri mandal.



On 10 October 2024, Dr.D.Thirupal, Scientist (Horticulture), KVK, Periyavaram conducted a farmers training programme on "Cultivation practices of Tissue culture banana" at Kotambedu and Jarlapadu villages, Balayapalli mandal, Tirupati District.

## Training programmes participated

On 01 October 2024, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram attended as a resource person in training program on "Rejuvenation of old Acid lime orchards" which is organized by Department of Horticulture at KGR Palem village, Sydapuram mandal, Nellore District.



## TSP and SCSP



On 05.10.2024 the Scientists of KVK, Vonipenta provided Mango plants to the selected SC farmers under SC Sub plan.

On 1.10.2024, Dr YSRHU-KVK, Venkataramannagudem distributed mulching sheets to farmers under SCSP and TSP and PSB and Azotobacter to coconut and oilpalm farmers. The programme was coordinated by Dr.Venkata Satish Kuchi, Scientist (Horticulture). Dr.A.Devivaraprasad Reddy, Scientist (Fisheries) participated in the programme.



On 04.10.2024, Dr.E.Karunasree, PS & Head, KrishiVigyan Kendra, VRGudem has distributed the kitchen garden kits to the households of Vhinjaram tribal women. Dr.A.Devivaraprasad Reddy, Scientist (TSP Nodal Scientist) has coordinated the program.

04.10.2024, Dr.E.Karunasree, PS & Head, Krishi Vigyan Kendra, VR Gudem distributed the kitchen garden kits to the households of Kondrakota, LND Peta, Polavaram Mandal. Dr.A.Devivaraprasad Reddy, Scientist (TSP Nodal Scientist) has coordinated the program.



Dr. E.Karuna Sree, Principal Scientist and Head KVK, V.R.Gudem and Dr V.Deepthi, Scientist (Agril extension), KVK, Venkataramannagudem conducted a training programme on Red gram cultivation and improved vegetable cultivation on 8.10.2024 later on red gram seed and kitchen garden kits distributed to the Koida farmers under tribal sub-plan for the year 2024-2025.

On 09.10.2024 Dr.E.Karuna Sree, Principal Scientist and Head, Dr V.Deepthi, Scientist (Agril extension) and Dr.A.Devivaraprasad Reddy, scientist (Fishery Science), KVK Venkataramannagudem have supplied Red gram seed and vegetable seed kit to the LND Peta SC farmers under SC-SP for the year 2024-2025.



On 09.10.2024, Dr. YSRHU- Krishi Vigyan Kendra, VRGudem distributed the Bengal goat units (2+1) towards enhancing livestock productivity in tribal regions to farmers of LND peta, Polavaram mandal.

### Diagnostic Visits

On 04.10.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted diagnostic field visit to Banana at T. Kothapalle village of Mydukur mandal.



On 07.10.2024, Shri. A. Kireeti, Scientist (Horticulture), HRS, Ambajipeta visited farmer's field in Kurukuru, Tadiparru and Undrajavaram villages of East Godavari district, practicing Natural Farming in Coconut based cropping systems.

On 07.10.2024, Dr.M.Balakrishna, Sr. Scientist & Head, Dr. B.S.Kanthi Sri, Scientist, Dr.Srividya Rani .N, Scientist, KVK, Vonipenta visited Nutri- garden (Surya Mandalam and ATM Model), observed the problems like sucking pest complex and suggested to spray Neem oil and observed newly established ATM model and observed the germination percentage.



On 15.10.2024 Dr V.Deepthi Scientist (Agril extension), KVK, V.R.Gudem conducted a diagnostic visit to Black gram fields at Telikicherla village Nallajerla mandal.

### Field demonstration

On 03 October 2024, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram distributed the Cycocel growth retardant hormone to the beneficiary farmers at Kommipadu, Chaganam and Rapur villages as a part of "Flower regulation in Acid lime" program under Impactful interventions in Acid lime for the year 2024-25 and demonstrated it's application.



On 10.10.2024 Dr.I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram analyzed six soil samples to the farmer and distributed soil health cards to the farmers.

### On farm trials

On 04.10.2024, Dr. M. Balakrishna, Sr.Scientist & Head and Dr. B.S.Kanthi Sri, Scientist (Home Science) and Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta had provided two varieties of Black gram seeds LBG-884 and GBG-1.



On 06.10.2024, Dr. E. Karunasree, Principal Scientist and Head, and Dr. V. Deepthi, scientist (Agril Extension) KVK, V.R. Gudem conducted a follow-up visit to organic Paddy and vegetable fields. They observed the growth and condition of the crops and suggested suitable management practices.

On 08.10.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. M. Balakrishna, Senior Scientist and Head, KVK, Vonipenta and Dr. N. Srividya Rani, Scientist (Agriculture Extension), KVK, Vonipenta conducted follow up visit to OFT regulation of flowering in Chrysanthemum at T. Kothapalli village, Mydukur Mandal.



On 9 October 2024, Dr.D.Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram visited the Acid lime field of beneficiary farmers at Lalapet village, Venkatagiri mandal, Tirupati District as a part of follow up field visit to OFT on " Assessment of Fertigation Schedule in Acid lime".

Dr. S. Firoz Hussain, Scientist (Horticulture) from KVK, Vonipenta provided 13-0-45 and 0-0-50 fertilizers to the farmers and suggested the farmer to spray 13-0-45 @ 5.0 grams per litre and 0-0-50 @ 5.0 gram per litre to improve the bunch quality.



### Phone-in-Programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the first fortnight of October 1-15 (3-4 PM).

Date	Topics	Scientist Name
01.10.2024	అరటిలో జీవ శిలీంధ్ర నాశినుల ప్రాముఖ్యత	Dr.M.Sunil Kumar Scientist, BRS, Pulivendula
03.10.2024	బీరను ఆశించే పురుగులు మరియు వాటి సమగ్ర సస్యరక్షణ	Dr.L.Ranjith Kumar, Scientist (E), CRS, Petlur
04.10.2024	పందిరి చిక్కుడు రకాలు మరియు సాగు	Dr. R. Naga Lakshmi, S.S(H), HRS, Lam
05.10.2024	జీలుగ టాపింగు మరియు నీరా సేకరణ పద్ధతులు	Dr.K.Rajendra Prasad, Sr. Scientist & Head, HRS, Pandirimamidi
07.10.2024	మిరపలో సమగ్ర ఎరువుల యాజమాన్యం	Dr.J.Phani Kumar, Scientist, HRS, Lam
08.10.2024	సీతాఫలం సాగులో మెళుకువలు	Dr.T.Shantha Kumari, Asst. Prof., HPT, Kalikiri
09.10.2024	అరటి శాఖీయ దశలో చేపట్టవలసిన పోషక యాజమాన్యం	Dr. K. Ravindra Kumar, Senior Scientist , HRS, Kovvur
10.10.2024	కూరగాయల సాగులో మల్చింగ్ ప్రాముఖ్యత	Dr. M .Ravindra Babu, Senior Scientist (Hort.), HRS, VR Gudem
14.10.2024	మిరపనారుమళ్లు - జాగ్రత్తలు	Dr. Radhika Ramya, Scientist, HRS, Lam
15.10.2024	మామిడిని ఆశించు రసం పీల్చు పురుగుల యాజమాన్యం	Sri. G. Shali Raju, Scientist (Ento.), MRS, Nuzvid

## Technical support to RBK Channel

Following Scientists of Dr YSRHU are deputed for recording technical content at Integrated Call Centre, Gannavaram through RBK Channel during the October first fortnight, 2024.

Date	Topics	Scientist Name
04.10.2024	క్యాబేజీ, క్యాలీఫ్లవర్, బ్రొకొలీ సాగులో మెళకువలు	Dr. V. Siva Kumar Scientist (Horticulture), HRS, Chin-
07.10.2024	పసుపులో పోషక లోపాలు సమగ్ర యాజమాన్యం	Dr.M.Balakrishna, Senior Scientist &
09.10.2024	ఉల్లిలో సమగ్ర సస్యరక్షణ చర్యలు	Dr.B.Neeraja, Scientist, HRS, Amba-
13.10.2024	బొప్పాయి సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.T.Kranthi Kumar scientist KVK, Pandirimamidi

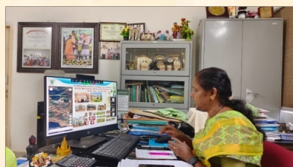
## General

Dr.K.Swarajya Lakshmi, Professor (Hort), College of Horticulture, Anantharajupeta transferred and posted as Principal at Horticultural Polytechnic, Kalikiri and reported for duty on the forenoon of 10-10-2024, relieving Dr. C.N.Byanna. All the staff and students participated in the meeting organized on the occasion.

On 14.10.2024, Dr E.Karuna Sree, Principal Scientist and Head, Dr.V.Deepthi Scientist (Agril extension& ARYA Nodal Scientist) and Dr A.Devivaraprasad Reddy (Fishery Scientist) KVK, V.R.Gudem inaugurated the Sri Sakthi millet based production outlet under ARYA project at Timmannapalem village Nallajerla mandal.



## Meetings



Dr.YSRHU, KVK, Venkataramannagudem has presented Impact Acceleration Series presentation conducted by ICAR-ATARI, Zone-X, Hyderabad. Dr E.Karuna Sree, Principal Scientist and Head presented the impactable technologies and demonstration conducted by the KVK, Venkataramannagudem from 2014 to 2024. Dr.Chandraiah Gowda, Principal Scientist, ICAR-ATARI, Bengaluru was the chief guest, in the presence of Dr.Sk.N.Meera, Director, ICAR-ATARI, Zone-X, Hyderabad. The entire series was coordinated by Dr.J.V.Prasad, Principal Scientist & Nodal Officer, ICAR-ATARI, Hyderabad.

On 05.09.2024, Dr. M. Raghavendra Reddy, Scientist (SS&AC) Dr YSRHU-KVK Venkataramannagudem coordinated the interaction meeting on "Wireless automated systems in precision farming". Dr B. Govinda Rajulu, Director of Extension presided the meeting, Dr M. Madhavi, Director of Research, Dr E. Karuna Sree, Principal Scientist & Head, progressive farmers were interacted with Mr M Chandrasekhar Reddy, Sales Manager, Mobitech Wireless Solutions Pvt Ltd., on automated systems use, efficiency, cost and performance in precision farming.



On 11.10.2024, Dr.A.Devivaraprasad Reddy, Scientist (Vety.) incharge was participated in the celebration of World Egg Day conducted by the Buffalo Research Station, SVVU, Venkataramannagudem.



### Exposure Visits



Sky College students from Srikakulam and staff visited Dr.YSR Horticultural University Museum on 1.10.2024 to know the activities at Community Radio Station, Electronic Wing, Awareness Creation Centre, Virtual Farmers Training Centre etc to the participants. The visit was coordinated by Dr V.Deepthi, Scientist (Agril Extension),KVK, Venkataramannagudem

On 05.10.2024, AKRG Degree college students from Nallajerla and the staff visited under UdyanaYatra to Dr.YSR Horticultural University on 5.10.2024. The program was coordinated by Dr V.Deepthi, Scientist (Agril Extension) and Dr A.Devivaraprasad Reddy, Scientist(Fishery Science) KVK, VR Gudem.



On 08.10.2024, DAESI trainees from Ramachandrapuram visited DrYSRHU-HRS, Ambajipeta and scientists explained the cultural practices along with pest and disease management.

### Visits

On October 14, 2024, the Honourable Vice Chancellor, Dr. YSR Horticultural University, Dr. K. Gopal, visited the Horticultural Research Station (HRS), Mahanandi, emphasized the need to prioritize the production of sweet orange, acid lime, pomegranate and mango planting material for the year 2024-25 to meet the farmers demand and to generate more income to revolving fund and also directed the establishment of Nematology Laboratory at new office building to take up works under sanctioned AICRP on Nematodes scheme.



Dr. K. Gopal garu, Hon'ble Vice Chancellor, Dr.YSRHU, VR Gudem visited Dr.YSRHU-Horticultural Research Station, Mahanandi on 14-10-2024. Dr. M. Tagore Naik, Principal Scientist (Hort.) and Dr. Ch. S. Kishore Kumar, Senior Scientist (PP) explained the ongoing research projects and other activities. Later, Hon'ble Vice Chancellor

visited nursery and experimental plots in the farm. During the visit, suggestions were made to improve nursery activity and also instructed the scientists to contact NABARD and ITDA for financial assistance.



### Publications

V. Govardhan Rao, B. Neeraja , N. B. V. Chalapathirao , T. Rajashekaram , A. Kireeti and V. Anoosha. *In vitro* studies on the development of microbial consortia for the management of major diseases in coconut and citrus. Journal of Biological Control. 38(3): 284-301, 2024, DOI: 10.18311/jbc/2024/43762.

B. Neeraja, V. Govardhan Rao, N. B. V. Chalapathirao , V. Anoosha. A. Kireeti. Adhika varshalalo coco nu asinche kaya kullu tegulu. Rythu nestham. October, 2024 pp. 28.

N. B. V. Chalapathirao, V. Govardhan Rao, B. Neeraja, A. Kireeti, V. Anoosha and M. Madhavi. Mum-puku guraina kobbari thotalu udhyana pantallo jagrathalu. *Eruvaka*, October 2014. pp 50-52.

K. Nissi Olive, K. Radha Rani, M. Madhvi and B. Kanka Mahalakshmi. Study on phenology of mango (*Mangifera indica* L.) commercial varieties of coastal Andhra Pradesh. *International Journal of Advanced Biochemistry Research* 2024, 8(10): 45-51.

*Patron:* **Dr K.Gopal**, Vice-Chancellor

*Editors:* **Dr L. Naram Naidu**, Dean of Horticulture

**Dr.M.Madhavi**, Director of Research

**Dr B.Srinivasulu**, Registrar

**Dr E. Karuna Sree**, Director of Extension

*Sub-Editor* : **Sri K.Ratna Kishore Babu**, Public Relations Officer

**Dr Y.S.R. Horticultural University**

**Administrative Office, Venkataramannagudem-534 101,**

**West Godavari district, Andhra Pradesh**

Visit our website at <https://drysrhu.ap.gov.in>