

# Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

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## Fortnight Focus

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## From Vice- Chancellor's Desk

"Meri Maati Mera Desh" is an ambitious program initiated by the Government of India with the aim of fostering a profound sense of patriotism and environmental consciousness among its citizens. This multifaceted initiative combines two essential aspects: a deep-rooted love for the nation and a commitment to safeguarding its natural resources.

The program encourages citizens to connect with their homeland, recognizing it as a nurturing mother figure. It emphasizes the importance of conserving India's rich ecological diversity and heritage while promoting sustainable practices. Citizens are encouraged to actively participate in afforestation drives, cleanliness campaigns, and heritage preservation activities.

All the institutes of Dr. YSR Horticultural University actively participated in the "Meri Maati Mera Desh" campaign from 09.08.2023 to 15.08.2023. Various programs, such as plantation drives, PANCHA PRAN PLEDGE, felicitations to Ex-army persons, construction of plaques in villages in memory of freedom fighters and army, Har Ghar Thiranga etc., showcased a strong commitment to both environmental conservation and patriotism. Plantation drives are instrumental in increasing green cover, improving air quality, and contributing to overall environmental health. These efforts not only beautify the surroundings but also play a crucial role in mitigating climate change. Taking the PANCHA PRAN PLEDGE is a significant step towards raising awareness about the interconnectedness of the five vital elements - Earth, Water, Fire, Air, and Space - with our lives.

Through these activities, the University is not only fulfilling its environmental responsibility but also fostering a sense of belongingness among all its scientists, staff and students towards the Nation. Such initiatives.

***Jai Jawan-Jai Kisan-Jai Vigyan***

**Dr T.Janakiram  
Vice-Chancellor**

## The Events

77<sup>th</sup> Independence Day Celebrations at Dr.YSRHU:



### **MERI MAATI MERA DESH**

On 9.08.2023 'MERI MAATI MERA DESH' Programme organized at adopted village Bontavaripalem and Nukavaram grama panchayati, Voletivatipalem mandal, SPSR Nellore district by SFU NSS cell, Dr. YSRHU-COH, Chinlataripi. As a part of 'Vasudha Vandhan' programme took oath on 'Panch Pran' and planted indigenous plants in both villages and dedicated a Shilapalagam. Finally, programme was ended up with Flag hoisting and National Anthem. Dr. V. Vijaya Bhaskar, In-charge Associate Dean, Mr. M. Narasimhudu, Assistant Professor (Ento), Dr. M. Shireesha, Assistant Professor (Economics), Dr. N. Avulaiah, P.D and Students participated in the programme. Dr. Y. Yohan, NSS Programme officer co-ordinated the programme.



Dr. YSRHU-College of Horticulture, Parvathipuram conducted "Meri Matti Mera Desh" Programme in Santhoshapuram village of Garugubilli Mandal, Parvathipuram Manyam Dist., from 9.08.2023 to 15.08.2023 as a part of the Clarian call from ICAR, New Delhi towards 77<sup>th</sup> Independence day celebrations.

Dr. YSRHU-College of Horticulture, Venkataramannagudem conducted plantation drive on the occasion of 77<sup>th</sup> independence day celebrations and Mera Matti Mera Desh programme, in which Hon'ble Vice-Chancellor, Dr. T. Janakiram; along with the other university officers Dr. YSRHU and Associate Dean, Dr. M. Madhavi, NSS Programme Officers (Dr. C.P. Vijji; Dr. U. Shiva Kumar and Ms. Udaya Sree), college staff and students of COH, VRgudem were engaged in planting fruit trees like citrus, jamun, custard apple in and around the college premises.



Dr.YSRHU – HPT, Nuzvid, organized “Meri Maati Mera Desh” programme at adopted village, Mittagudem by conducting special activities, i.e Pledge, morning walks, collection of soil sample and planting saplings in and around Anganwadi Centre. Dr. P.Vijaya Lakshmi, Dr. Kanchana and Mr. V. Srinivasa Rao along with Self Help Groups of the Adopted village were participants.



On 09.07.2023, Dr. YSRHU-KVK, VR Gudem initiated the campaign of “Meri Maati- Mera Desh”, a campaign instructed by Government of India as part of Independence Day celebrations by collecting the soil from instructional farm. With handful of soil, the photos were taken at selfie point organized at KVK, In this

Programme Dr B. Srinivasulu, Registrar Dr. YSRHU-KVK, E.Karuna Sree, Principal Scientist & Head, Dr.K Venkatasubbaiah Scientist (Hort), Mr. G Shali Raju, Scientist (Entomology) and Dr K Venkata Satish (Hort) participated. This programme was coordinated by Dr. M. Raghavendra Reddy, Scientist (SS&AC) Dr. YSRHU-KVK, VR Gudem.

Smt. I.Rajeevana, Scientist (Soil Science) conducted MERI MATTI-MERA DESH programme from 09.08.2023 to 15.08.2023 in villages of KVK operational area. As a part of programme on 09.08.2023 planted ‘SIMA ROUBA’ plants at KVK instructional farm as a part of VASUDHA VANDHAN of MERI MATTI- MERI DESH programme. ‘SIMA ROUBA’ plants are used to reclaim the waste lands. As a part of the programme on 10.08.2023 at Vallivedu village of Venkatagiri



mandal conducted following activities like DEDICATED SHILAPHALAKAM to FREEDOM FIGHTERS, PANCHA PRAN PLEDGE in the presence of local people and local leaders. On 11.08.2023 HOISTING OF NATIONAL FLAG and Collection of soil was done at Chelikampadu village of Venkatagiri mandal. On 15.08.2023 MERI MATTI- MERI DESH was conducted at 9 th APSP Betalian, Venkatagiri. As a part of the programme DEDICATED SHILAPHALAKAM to FREEDOM FIGHTERS, VEEROKA VANDAN, PANCHA PRAN PLEDGE and VASUDHA VANDHAN activities were conducted. Dr.B.GovindaRajulu, Principal Scientist & Head and Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) participated in the programme.



On 11.07.2023, as part of campaign “Meri Maati- Mera Desh”, Dr. YSRHU -KVK, VR Gudem conducted the various events in the village Madhavararam, Tadepalli Gudem. Dr T. Janakiram, Vice-Chancellor, Dr YSRHU graced the event by addressing the participants on soil health management, environmental safety and food security. Dr E Karuna Sree, Director of Extension, Dr YSRHU addressed the gathering on Agricultural Drones and Nano fertilizers. Mr. Naravula Venkateswar rao, Ex- Army man who is successfully adopted agriculture as his occupation after retiring from the Army service was felicitated by Dr T. Janakiram, Vice-Chancellor, Dr YSRHU and other guests presented in the programme. In this programme, ZPHS school children, teachers, Village Sarpanch, Mandal Agricultural Board Chairman Mr. M. Venkatarami Reddy, Agricultural Officer Mr. Prasad and his team along with farmers participated. Later, All the dignitaries and students together planted the saplings in the ZPHS school premises and paid floral tributes to Military men at the AMAR JAWAN STATUE in the Village. This programme was coordinated by Dr. M. Raghavendra Reddy, Scientist (SS&AC) Dr. YSRHU-KVK, VR Gudem.



On 11.08.2023, Krishi Vigyan Kendra, Pandirimamidi scientists and staff conducted Meri Maati Mera Desh Campaign, as part of campaign KVK planted 75 saplings of indigenous trees and created amrit vatika at Irlapalli village of Rampachodavaram mandal 10 villagers joined this program.



On 11.07.2023, as part of campaign "Meri Maati- Mera Desh", Dr. YSRHU-KVK, VR Gudem met the farmers and paid tributes to ex-army people in the village Neeladripuram, Tadepalli Gudem, at Shilaphalakam prepared in the village as indicated by Government of India. In this programme, Dr. E.Karuna Sree, Principal Scientist & Head, Dr. M. Raghavendra Reddy, Scientist (SS&AC), and Mrs. Satyanarayananamma, Assisatnt, Dr. YSRHU-KVK, VR Gudem were interacted with farmers.

On 14.08.2023, Scientists and staff of Krishi Vigyan Kendra, Pandirimamidi conducted Meri Maati Mera Desh Campaign, students of agricultural polytechnic joined and honored the freedom fighters who sacrificed for the nation and families of braves and also hoisted the flag.



On 11.08.2023 Dr. N. Srividya Rani (Scientist & Head), Dr. M. Harsitha (SMS-Soil Science), Dr. S. Lavanya (RA-Livestock Production) conducted "Meri Maati Mera Desh" at Vonipenta preliminary school and explained about the freedom fighters that have made supreme sacrifice for the country and planted trees under the campaign. Dr. M. Harshitha conducted Soil sampling and taken soil samples for analysis from the fields of Pappanapalle.

On 14.08.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted "Mera Maati Mera Desh" program at RBK, T. Kothapalli village in Mydukur Mandal and sought their involvement and active participation for the program and involved them in Panch Pran Pledge. In this programme Sarpanch-Sri Bandi Nagendra Prasad, MPDO, Village Horticultural Assistant-Sri M.Pavan Kumar and Forest department officials and 32 members were attended.



On 14-08-2023, Dr.YSRHU-KVK, Venkataramannagudem conducted Meri Maati-Mera Desh program at RBK, Telikicherla village. In this distributed Acid lime and Custard apple plants and planted the same in the premises of RBK office. This program was co-ordinated by Dr.Venkata Satish Kuchi, Scientist (Horticulture) and Dr. K. Venkata Subbaiah, Scientist (Horticulture).

### Har Ghar Tiranga

On 14.08.2023, in the village Gopalapuram, Bhimadolu Mandal has witnessed inspiring event "Har Ghar Tiranga" program, orchestrated by KVK Venkataramannagudem. The program's focal point was the spirited initiative to ensure that every household proudly displayed the Indian national flag, fostering a profound sense of unity and patriotism. With a dedicated focus on promoting this noble cause, the program extended its reach to the village's Raithu Bharosa Kendras (RBKs) and MPP School, Gopalapuram premises. The Pledge taken, plantation drive, where participants enthusiastically planted the saplings of fruit plants. This program was organised and coordinated by Sri G.ShaliRaju, Scientist (Entomology) and Dr. A.DeviVara Prasad Reddy, Scientist (Fishery Science), Dr.YSRHU - KVK,V.R.Gudem.



## Education

On 10.08.2023 National De-worming programme was conducted at CoH, Chinataripi. All the students and staff attended the programme. Dr. Y. Yohan, NSS Programme officer co-ordinated the programme.



A guest lecture was organized to all the teaching, non-teaching staff and students on "Awareness and measures to curb Cyber crime against women" by Dr. Keerthy Bollineni, President, Vasavya Mahila Mandal, Vijayawada on 09-08-2023 by the Women Protection Cell, Dr.YSRHU- College of Horticulture, Venkataramannagudem.

### NSS Activities

Dr.YSRHU-College of Horticulture, Anantharajupeta organised "Meri Mati - Mera Desh" Maati ko Naman – Veeron ka Vandan" programme at adopted village K.R.Kandriga, of Kodur Mandal of Annamaiah Dist. on 09. 08. 2023. As a part of this programme, all participants took "panch pran pledge".



The felicitation was done to two defence personnel Sri Muddunuru Praveen Kumar and Sri C. Krishna Reddy, both of them worked in Indian Army for a period of 18 and 30 yrs respectively. They shared their experiences as black commandos, bomb dismantling team, instructor in Defence College of Engineering. Planting program was conducted and indigenous saplings viz. Neem, Pongamia, Manorangitham, Amla, Fig etc. were planted by all participants. Dr. Ruth, Professor (Pl Path ) & Associate Dean i/c, Dr. K.Swarajya Lakshmi, Professor (Horti.), Dr.Y.Deepthi Kiran, Asst. Prof (Agro.) & Dr.A.Nischala, NSS Programme Officers and UG & PG students participated in the programme. Sri M. Subba Rama Raju, Agricultural Market Committee Chairman and Sri Visweswara Raju, Agri Advisory Board Chairman, Sri Rajesh, VHA, Progressive farmers of the village and rural Youth participated in the program.



Dr.YSRHU- HPT, Kalikiri, conducted Vanamahotsavam at Govt. Z.P. High School, Indiramma Colony, Kalikiri on 09-08-2023.

### Anti-Ragging week

In accordance with the University's guidelines, the Dr. YSRHU-College of Horticulture, Anantharajupeta, organised an anti-ragging week from August 12<sup>th</sup> to August 18<sup>th</sup> 2023. As a part of this initiative, conducted various competitions on August 14<sup>th</sup>, viz: essay writing, slogan writing, poster making, and logo designing, centred around the theme of anti-ragging. The students actively engaged in these competitions, and the winners were honoured with prizes during the Independence Day celebration.



## One Day Campaign on Plastic Cleaning in the Campus

Sri Krishnadevaraya College of Horticultural Sciences, Anantapuramu conducted one day plastic cleaning campaign in the campus on 5<sup>th</sup> August by the NSS unit. Awareness was created among students about the overuse of plastic, followed by 'Shramadan' by the volunteers (First year students) who collected plastic waste in the campus and disposed.



## Extension

### Training Programmes Organized

05.08.2023 Sri G.ShaliRaju, Scientist (Entomology) and Dr. K.Venkata Satish, Scientist (Horticulture), Dr.YSRHU - KVK,V.R.Gudem, conducted training programme on "Pest and disease management in vegetables and fertigation in oilpalm" and also created awareness on Digital/Mobile extension services of Dr.YSRHU as a part of VC to village programme at Narayanapuram Village, Eluru district.



On 03-08-2023, KVK, Pandirimamidi initiated 2 days (03-08-2023 to 04-08-2023) Skill Training program on Natural Farming activities to Forest Department Officials at KVK, Pandirimamidi under Out-scaling of Natural farming 2023-24. In this program, both theory and Method demonstration were conducted on preparation of Dhrava Jeevamrutham and Beejamrutham and also visited to Vermicompost, Azolla and Biofloc demo units. During second day of the skill training program, both theory and practicals were conducted on preparation of Ghana Jeevamrutham, Panchagavya and Neemastram. Principal Scientist & Head, KVK, Pandirimamidi, Scientist (Horticulture), Scientist (Fisheries), Master Trainee (ZBNF) and 22 Forest department officials were participated.

On 05.08.2023 KVK, Vonipenta conducted training programme on Value-addition of vegetables and leafy vegetables and their marketing at Vonipenta SC-colony of Mydukur Mandal. The programme was organized by Dr. B.S.Kanthi Sri, Scientist (H.Sc). She explained about the production technologies of value-addition to different locally available leafy vegetables and vegetables to make benefit of them in un-seasons and its marketing techniques.



She also conducted method demonstration on preparation of lemon squash which is a locally cultivated and mostly available fruit at low cost in this season. At the end of the programme provided Nutri garden seed kits to the women.



On 11.08.2023 Dr.B.Vijayasree, Scientist (Home Science), Dr. YSRHU-KVK, Nellore 2 (Pariyavaram) conducted on campus training program on Nutri-gardens for ensuring nutritional security and created Awareness on Establishment of Nutri-gardens at house hold level and institutions (AW centres, NADU- NEDU schools). Explained about the role of organic vegetables, fruits and leafy vegetables in reducing micro nutrient deficiencies and promoting immunity among the vulnerable groups. Dr.B. Govinda Rajulu, Principal scientist & Head distributed Vegetable seed kits to the beneficiaries.

On 02.08.2023, Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) conducted training programme on Central Government schemes related to agriculture at Gonupalli Village, Rapur Mandal, SPSR Nellore Dist. Explained about central Government schemes like Pradhan Mantri Krishi Sinchai Yojana, Paramparagat Krishi Vikas Yojana and e-NAM to the participants.



On 14.08.2023, Smt. I.Rajeevana, Scientist (Soil Science) conducted training to the farmers and farm women of Busupalem village of Venkatagiri mandal regarding usage of Bio-fertilizers and Bioagents in horticulture crops. Explained farmers about Bio-fertilizers, and their uses in supply of nutrients. Explained about various types of Bio-fertilizers like Rhizobium, Phosphorous Solubilising Bacteria, Vascular Arbuscular Mycorrhizae, Potash Mobilising Bacteria and Bio agents like pseudomonas, Trichoderma. Explained about the procedure of mass multiplication with FYM.

On 11-08-2023, Dr YSRHU-KVK, Venkataramannagudem conducted training programme on “Improved vegetable production technologies” at Telikacherla village of Nallajerla Mandal. In this programme, discussed on production of vegetable nursery in portraits and integrated pest management in chilli. The programme was coordinated by Dr.Venkata Satish Kuchi, Scientist (Horticulture) and Shri. G. Shaliraju, Scientist (Entomology), Dr YSRHU-KVK, Venkataramannagudem.



On 01.08.2023, Krishi Vigyan Kendra, Pandirimamidi conducted training and field visit at Katravulapalli village of Jaggampeta mandal chilli fields at Nursery stage for implementation of chilli project. Explained utilization of *Trichoderma viride* and *Pseudomonas fluorescense* for root dip method before transplanting and IPM strategies to be implemented before transplanting.

On 14.08.2023, a comprehensive training program focussed on feed preparation and management in cattle was successfully conducted through a collaborative effort between the Dr.YSRHU- KVK, VR Gudem and the SVVU- Buffalo Research Station, VR Gudem. The program proved to be invaluable for livestock enthusiasts and professionals alike. Dr.Naram Naidu, Director of Research was the as Chief Guest and Smt. Anusha, Sarpanch and Dr.K. AnandRao, Head, BRS, VR Gudem were the Guests of Honor, Scientists of KVK, BRS and farmers attended the program.



### Training Programmes Participated



Dr.T.Rajasekaram, CRS, Petlur, Senior Scientist (PP) participated in training programme on Integrated Disease Management in mango, papaya and banana at Settigunta village, Koduru Mandal organized by KVK, Kalikiri on 03-08-2023.

Dr. D.Srinivasa Reddy, Senior Scientist (Ento) and Dr.M. Kavitha, Senior Scientist, (PP), CRS, Tirupati attended framers training programme on Integrated pest and disease management in Horticultural crops conducted by Zuari Agritesting Laboratory, Tirupati at RARS, Tirupati on 10/08/2023.

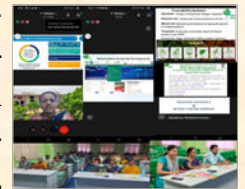
On 04.08.2023, Dr. D. Sreedhar, Senior Scientist (Hort) from Dr YSRHU-HRS, Anantharajupeta participated in the farmers training programme on Best management practices in Mango organized by Krishi Vigyan Kendra, Kalikiri at Settigunta village of Rly. Kodur mandal. During the programme, Scientist explained about pruning techniques, fertilizer management, water management and nutrient management in mango. Dr. T. Rajasekharam, Senior Scientist (Pl Path), CRS, Petluru explained about pest and disease management in Mango. Sri Sukumar Reddy, Chairman, District Agricultural Advisory Board, Annamayya Dist, Dr G. S. Panduranga, Programme Coordinator, KVK, Kalikiri, scientists and farmers attended the programme.



On 13-08-2023, Dr.Venkata Satish Kuchi, Scientist (Horticulture), Dr YSRHU-KVK, Venkataramannagudem attended as resource person and delivered lecture on 'Production technology and postharvest management of mango' to students of Diploma in Agricultural Extension services for input dealers (DESAI) programme organized by NAARM and state agricultural department. In this programme 35 input dealers have participated.

### HRD Training

Dr. K.Eresh Kumar, Asst. professor (Ag. Engg.) and Dr. K.Swarajya Lakshmi Professor (Horticulture) along with ELP student Miss Sandhya registered and participated in a 3 day online training program on Entrepreneurship development in food processing from 09-08-2023 to 11-08-2023, organized by NIFTEM (National Institute of Food Technology Entrepreneurship Management), Tanzavur, Tamil Nadu, India. Dr. Ch. Ruth, Associate Dean i/c, Teaching faculty Dr. Ramya Lakshmi, Asst. Professor (Agril. Economics), Dr. Siddeswari, Asst. Professor (Agril. Extension) and M.Sc., Ph.D. and UG students (2<sup>nd</sup> and 3<sup>rd</sup> yr students) having courses related to food processing and entrepreneurship development also involved in this program.



Staff and students of COH, Anantharajupeta participated in "One earth one family one future" ISO Standards and Block Chain strands Prospective on line session on 10-08-2023 organized by NIT, Tadepalligudem. Dr. Meiappan Masilamani, ISO Management System Lead Auditor and Director Standards-Government Block Chain Association, USA delivered lecture on this programme. He stressed the importance of different International Standards for maintenance of healthy and happy life style.

### Webinars

Dr.Ch.Ruth, Professor (Pl. Path) & Associate Dean i/c, Dr. K.Swarajya Lakshmi, Professor (Horti.), Dr. K.Arunodhayam, Asst.Professor (Pl. Path), Sri Subhodh, JLA, COH, Anantharajupeta along with PG and Ph.D. students participated in Wiley on line library – Publication tips to authors program on 03-08-2023, organized by Dr.H.K. Thripati, Librarian (ACTO), Library, ICAR, Krishi bhavan, New Delhi and Joint Secretary, AALDI (Association of Agricultural librarians and Documentarists of India).





## VC to Village

Dr. T. Susila, Senior Scientist (Hort.) & Head and Dr M. Sunil Kumar, Scientist (Plant Pathology) visited E. Kothapalli village of Pulivendula Mandal as part of VC to Village programme. The farmers were sensitized about the management practices to be implemented at vegetative stage of banana.



Dr. YSRHU- Mango Research Station, Nuzvid, organized VC to Village programme at Pothireddypalli RBK on 04.08.2023. About 13 farmers were participated & raised doubts regarding mango, vegetables & oil palm which were answered by Dr. G. Sravanthi, Scientist (Ento.).

On 07/08/2023 Dr. P. Nagarjuna Reddy, Scientist, (Agril. Extension) conducted PRA - Social & Resource mapping (Village Mapping) in "Vice-chancellor to Village Programme" adopted village Pallipadu (V), Balayapalle (M), Tirupathi Dist. Dr. B. Vijayasree, Scientist (Home Science), Dr. D. Thirupal, Scientist (Horticulture), Smt. I. Rajeevana, Scientist (Soil Science), VAA of RBK, farmers and farm women participated in the programme.



Dr. Ch. Ruth, Prof. (Pl. Path) & Associate Dean i/c, Dr. K. Swarajya Lakshmi, Prof. (Hort), interacted and explained about importance of green manure crops to the farmers and distributed 30 kg seed of Green manure crop (Sunhemp) to Sri Srinivasa Raju and Sri Pavan Kumar in VC to village -adopted village K.R. Kandriga on 07-08-2023.

On 9.08.2023 conducted Grama Sabha in the adopted village Bonthavaripalem as a part of VC to Village Programme. Dr. V. Vijaya Bhaskar, In-charge Associate Dean discussed with farmers about importance of VC to Village programme. Later, Dr. M. Shireesha, Assistant Professor (Economics) gave suggestions to the farmers regarding marketing of produce. Mr. M. Narasimhudu, VC to Village Programme Co-ordinator organized the programme.



On the occasion of Azadi Ka Amrit Mahostav, NSS Cell, COH, VRGudem organized massive plantation programme in the adopted village, Singarajupalem (Under VC-Village programme). In this programme, about 300 saplings of different types of plants viz., mango, custard apple, jamun, cork tree, terminalia etc., were planted across the tank bund, school premises, RBKs and Gram Panchayat office and road side. Along with rally, Panch pran pledge and photo call with soil in the hands were taken. Saplings were distributed to the school students. Programme was attended by Dean of Student Affairs Dr. D.R. Salomi Suneetha, Associate Dean- Dr. M. Madhavi, NSS Coordinators -Dr. C.P. Viji, Dr. U. Shiva Kumar, Ms. Udayasree, VC-Village incharge Dr. K. Archana, Nehru Yuva Kendra district youth officer Sri. D. Kishore, Grama Sarpanch- Sri. G. Balagangadhar Tilak, VAA, Panchayat Secretary, staff and students.

Scientists of HRS, V.R. Gudem conducted a diagnostic survey in Guava field at Kadiyadda on 14.08.2023 as a part of the VC to Village program. Scientists observed various problems viz, salinity, alkalinity, water logging, seepage, leaf curl, nematode and mealybug. Dr. P. Ashok, Senior Scientist (Hort.) suggested to apply gypsum in order to reduce alkalinity problems. Dr. B. Ramesh Babu, Senior Scientist (Hort.) and Dr. M. Ravindra Babu, Senior Scientist (Hort.) emphasized to apply mixture of bio fertilizers and in-organic fertilizers to reduce pests and diseases, also to impart the plant resistance in view of organic farming. Dr. P. Sunitha, Senior Scientist (Ento) suggested farmers to ensure nematode free guava seedlings for new plantations. In nematode affected orchards, application of bioagents *Trichoderma viridae* + *Paecilomyces lilacinus* along with farm yard manure is recommended to reduce the incidence of pest and diseases and also to impart the plant resistance to encourage organic farming. Dr. T. Thomson, Scientist (Hort.) and Dr. N.V. Gowtham Deekshithulu, Scientist (Agri. Engg) suggested to reduce water supply and explained about drainage problems.



On 01.08.2023, Dr. S. Lavanya, Research Associate (Livestock production) of KVK, Vonipenta conducted diagnostic visit to dairy animals at Adireddypalli village of Mydukur mandal. During the visit, scientist observed that buffalos are suffering from mastitis and suggested injection Melonex plus@ 15 ml I/M, Inj. Enrofloxacin@ 15 ml I/M and inj. Avil@ 10 ml I/M for 3 days and local application of Mastilep gel for a period of 10 days.

On 4.8.2023, MRS, Nuzvid scientists, conducted diagnostic field visit to mango orchards at A. Konduru village and recommended the correct dose of fertilizer according to age of the tree and suggested sowing of daincha or sunhemp as green manure crop in interspaces of mango trees and advised to remove dead, dried & diseased branches and criss-crossed branches from the orchard.



On 04.08.2023, Dr. V. Govardhan Rao, Scientist (Plant Pathology) and Dr. V. Anoocha, Scientist (Entomology) conducted roving survey of coconut pests and diseases in Chintalapudi and Kamavarapukota area of Eluru district and recommended management measures and visited coconut black headed caterpillar infested fields, created awareness and discussed with the farmers, ADH of Eluru, Horticulture Officers, Village Horticulture Assistants and Village Agriculture Assistants.

On 04.08.2023, Smt. I.Rajeevana, Scientist (Soil Science) conducted field visit to brinjal and okra fields. As a part of technical programme of Soil Science discipline conducted diagnostic field visit to "Demonstration on integrated nutrient management in okra and brinjal" and distributed ARKA VEGETABLE SPECIAL to the farmers. Suggested to spray along with Urea at the time of flowering @ 3 g/l in okra and @ 5 g/l in brinjal.



On 07-08-2023 Dr. Ch. Ruth, Prof.(Pl.Path) & Associate Dean i/c, Dr. K. Swarajya Lakshmi, prof. (Hort), along with PG & Ph.D students conducted diagnostic visit to mango orchards at adopted village K.R.Kandriga and demonstrated pruning of branches and application of Bordeaux paste or Blitox paste on the exposed cut ends of the branches

On 07 August 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted diagnostic field visit to Acid lime at Pallipadu village, Balayapalli mandal, Tirupati District. Identified Root rot disease as a major problem in Acid lime orchards and suggested to drenching of 1% Bordeaux mixture or Carbendazim @ 2g/l around the tree @ 20 liters per tree followed by application of *Trichoderma viride* culture (90 kg FYM: 10 kg Neem powder: 1kg *T. viride*) @ 10 kg/ tree.



On 07.08.2023 Dr.B. Vijayasree, Scientist (Home Science), Dr. YSRHU-KVK Nellore 2 (Periyavaram) as part of World Breast feeding week (August 1-7) at **VC to Village** - Pallipadu of Balayapalli mandal, Tirupati district, conducted awareness program and rally on the objective and theme of world breast feeding week - 2023 and importance of mother's milk in promoting immunity among infants as it is the first vaccine to the new born against seven dreadful diseases during childhood. Department staff ICDS Supervisor Smt. D.Rajeswari, Anganwadi Teachers, Sri Kalyan Reddy, Sarpanch, pregnant, lactating mothers and women participated.

Dr.T.Rajasekaram, Senior Scientist (PP) and Dr.E.K. Naik, Scientist (H), CRS, Petalur, visited farmer field in Kurjagunta village, Venkatagiri mandal, Tirupati dt. for diagnosis of pest and disease problem in colacasia on 7-08-2023 and suggested to take up management of leaf blight by spraying copper oxy chloride @3g/l or mancozeb @2.5g/l.



On 08-08-2023 Dr. Ch. Ruth, Prof.(Pl.Path) & Associate Dean i/c, Dr. K. Swarajya lakshmi, prof. (Hort), Dr.YSRHU- CoH, Anantharjupeta, observed soft rot or rhizome rot in two months old banana and sigatoka leaf spot in farmer's fields along with PG students, Smt. Leelavathi, FRS department, Sri Nagaraju, PHM department. Suggested application of copper oxy chloride @ 30g with antibiotic streptomycin sulphate @ 1g in 30 liters of water, bleaching powder and bio-agents against soft rot.

On 07-08-2023 Dr. Ch. Ruth, Prof.(Pl.Path) & Associate Dean i/c, Dr. K. Swarajya lakshmi, Prof. (Hort), Dr.YSRHU- CoH, Anantharjupeta, visited Sri Durga Nursery, Anantharajupeta and observed black spot disease and suggested Chlorothalonil or Propineb @ 0.2% or Propiconazole @ 0.1% with sticking agent.



On 08-08-2023, Dr. Ch. Ruth, Prof.(Pl.Path) & Associate Dean i/c, Dr. K. Swarajya lakshmi, prof. (Hort), Dr.YSRHU- CoH, Anantharjupeta, observed Ringspot virus and yellowing of leaves in papaya intercropped with banana in farmer's fields at Anantharajupeta, Rly.Kodur mandal Annamayya district and suggested spraying of acephate @1.5g along with micro nutrients.

On 08.08.2023 and 11.08.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted a diagnostic field visit to banana and observed sigatoka leaf spot and suggested the farmer to spray propiconazole @ 1.0 ml per litre + Keleol (mineral oil) @ 10.0 ml per litre + Companion @ 2.0 gram per litre.



On 09.08.2023, Dr. S. Firoz Hussain conducted a diagnostic field visit to banana at Settivaripalle village, Mydukur Mandal. The scientist observed Erwinia rot in banana and suggested the farmers to uproot the plants and apply bleaching powder @ 25 grams per litre or *Pseudomonas* @ 50 gram per litre in the infested area.



On 10.08.2023, Dr. N.B.V.Chalapathi Rao, Principal Scientist & Head and Dr.V. Anoosha, Scientist (Entomology) of Dr.YSRHU-HRS, Ambajipeta carried out diagnostic visit under VC to Village programme and observed the bud rot and rhinoceros beetle infestation coconut fields in the adopted village, Vanapalli of Dr. B.R. Ambedkar Konaseema district and suggested recommended management measures. Dr.G. Koteswara Rao, Kothapeta Horticulture officer, Ms.Preethi monika, Vanapalli VHA also participated.

Dr.YSRHU- CoH, Anantharjupeta, Dr. Ch. Ruth, Professor(Pl.Path.) and along with PG & Ph.D students visited red banana field in Gangarajupodu Village of Kodur mandal on 15-08-2023. Observed sigatoka leaf spot in 7 months old banana crop, previously which was intercropped with muskmelon. Also observed bacterial leaf spot, septoria leaf spot and fruit borer in tomato and suggested control measures. Later visited Kothapalli village of Kodur mandal and observed gummy stem blight disease and suggested control measures.



### Field Visits

On 05-08-2023, Dr. E. Karuna Sree, Director of Extension, Mr.Shaliraju and Dr.Venkata Satish Kuchi, scientists, Dr YSRHU-KVK, Venkataramannagudem conducted field visit to Shri. Murali Krishna orchard and observed multi-stored oil palm based cropping system. He is cultivating black pepper, nutmeg, oil palm, coconut and pineapple. Oil palm and Nutmeg intercropping gave him success and bagged multi-fold income. Later, visited the Kaluvulapalli village at RBK distributed interacted with VHA and provided Udhyana Panchangam for the RBK.



On 08-08-2023, Dr. K. Venkata Satish Kuchi and Dr. E. Karuna Sree, Dr YSRHU-KVK, Venkataramannagudem visited Telikacherla village, Nallajerla Mandal to inspect the activities of the RHWEP students. Visited RBK Telikacherla village and explained about new mobile Horticultural Extension Services of Dr. YSRHU and screened the videos in the mobile extension van at RBK.

On 04.07.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC),Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem conducted an exposure visit to RHWEP students on Vermiwash, Vermicompost technology and Azolla cultivation.





On 11-08-2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) has initiated On Farm Trial on Assessment of brinjal grafts for yield and wilt management in tribal area of Alluri Seetharamaraju district under TSP-2023 and distributed brinjal grafts to the tribal beneficiary farmers from Irlapalli and Pedageddada villages of Rampachodavaram mandal.



On 14-08-2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Dr. T. Kranthi Kumar, Scientist(Horticulture) and Dr. R. Praveen Babu, Scientist (Agricultural Extension) have conducted follow-up visit to brinjal fields at Irlapalli Village of Rampachodavaram, mandal as a part of OFT on Assessment of brinjal grafts for yield and wilt management under TSP-2023. The farmers transplanted brinjal grafts in their fields.

### 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 August, 2023 (3-4 PM).

Date	Topics	Scientist Name
01.08.2023	ఉద్యాన పంటల లో సూక్ష్మ పోషకాలు ఆవశ్యకత	Dr.R.Rajya Lakshmi, Professor, CoH, Parvathipuram
02.08.2023	కర్రపెండలం లో కలుపు మరియు ఎరువుల యాజమాన్యం	Dr.M. Janaki, Scientist, HRS, Peddapuram
03.08.2023	టమాటా సాగులో మేలైన యాజమాన్య పద్ధతులు	Sri.C.Ramesh Naidu, Asst. Prof., HPT, Kalikiri
04.08.2023	మామిడిలో ఎరువుల యాజమాన్యం	Dr.K.Radha Rani, Principal Scientist, MRS, Nuzvid
05.08.2023	వెల్లుల్లిని ఆశించు తెగుళ్ళు సమగ్ర నివారణ	Dr. K. Subramanya, Pr. Scientist, HRS, Mahanandi
07.08.2023	అరటిలో లేతమొక్కల దశలో వేయవలసిన ఎరువులు వాటి ప్రాముఖ్యత	Dr.T.Susila, Senior Scientist & Head, BRS, Pulivendula
08.08.2023	చిరుధాన్యాలు - పోషక ప్రాముఖ్యత మరియు విలువ ఆధారిత ఉత్పత్తులతో జీవనోపాధుల అభివృద్ధి	Dr. B. Vijayasree, Scientist, KVK, Periyavaram
09.08.2023	కొబ్బరిని ఆశించు పురుగులు యాజమాన్యం	Dr.V. Anoosha, Scientist, HRS, Ambajipeta

10.08.2023	కంద సాగులో పోషక యాజమాన్యం	Dr.K.Mamatha, Principal Scientisty, HRS, Kovvur
11.08.2023	ద్రవరూప జీవన ఎరువులు - ఉద్యాన పంటలలో వాటి ప్రాముఖ్యత	Dr.Y.Kavya, Scientist, HRS, Lam
14.08.2023	అరటిలో నాణ్యమైన అధిక దిగుబడులకు గెల యాజమాన్యం	Sri G.Purna Datta Reddy, Scientist, BRS, Pulivendula

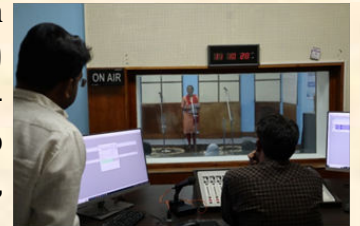
### Technical support to RBK Channel

Following Scientists of Dr YSRHU are deputed for recording technical content at Integrated Call Centre, Gannavaram through RBK Channel during the August First fortnight, 2023.

Date	Topics	Scientist Name
04.08.2023	బంతి సాగులో రకాల ఎంపిక, నారుమడి యాజమాన్యం మరియు మేలైన యాజమాన్య పద్ధతులు	Dr.M.G.Bala Hussaini Principal Scientist HRS, Madanapalli
07.08.2023	వంగలో కలుపు, ఎరువుల యాజమాన్యం మరియు సమగ్ర సస్యరక్షణ	Dr.T.Kranthi Kumar Scientist
11.08.2023	జామ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.D. Sreedhar Sr.Scientist HRS, AR Peta
14.08.2023	గులాబీ సాగులో ఎరువుల యాజమాన్యం మరియు సస్యరక్షణ చర్యలు	Dr.T.Suseela Professor

### TV/Radio Programmes

On the eve of 77th Independence Day, one of the winners of Yuva Utsav, conducted by Nehru Yuva Kendra, Kadapa, first year B.sc(Hons) Horticulture student, A.Purna Priyanka participated in Yuva Vani Programme and gave a talk on Mera Mati Mera Desh topic at All India Radio Station ,Kadapa on 13-08-2023.Dr. Ch. Ruth Benerjee, Associate Dean, OAM (U.G.), Dr. Lalitha Kadiri, Associate Professor (Agro), NSS Programme officers, Dr. Y. Deepti Kiran, Assistant Professor (Agro), Dr. A. Nischala, other teaching staff of Dr.Y.S.R.H.U. - COH, Antharajupeta congratulated the student.



Dr. K. Radha Rani, Principal Scientist (Hort.) has given talk on “Nursery Production in Mango” which was recorded by RBK channel, Gannavaram on 05.8.2023.

### General Meeting

Dr.R.Nagaraju, Principal Scientist (Hort) & Head, Dr.Mukunda Lakshmi, Senior Scientist (Hort) and Dr.M. Kavitha, Senior Scientist, (PP), CRS, Tirupati attended Monthly Review Meeting with Project Co-ordinator, ICAR-AICRP on Fruits on 14/08/2023 through virtual mode.

On 14.08.2023, Dr. G.Sandeep Naik, Scientist (Pl. Path.) from Dr YSRHU- HRS, Anantharajupeta participated in monthly review meeting through zoom platform convened by Project Coordinator, AICRP on Fruits.

### Visits

On 01.08.2023, 35 students of Maris Stella College, Vijayawada studying final year B.Sc. (agriculture and rural development ) visited KVK, Pandirimamidi. Scientists of KVK interacted with the students, explained about the mandated activities of KVK and also showed the demo units & farm.



On 03.08.2023, Sri Jinnuri Venkateswara Rao, Honb'le Board Member of Dr.YSRHU visited Dr.YSRHU- Horticultural Research Station, Ambajipeta and scientists explained about the research station activities.

Sri P. Prasad Reddy, Horticulture Advisor, A.P, Sri P. Sukumar Reddy, Agriculture Market Board Chairman AP, Annamayya dist., Sri Dwaja Reddy, MPP, Kodur, Sri T. Sai, Sarpanch, Kodur, Smt. P. Rathamma, ZPTC, Sri P. Chandraiah, EX Ward member, Smt. Ashiya, HO, Kodur Govt. Horti. farm, Kodur and Sri M.V. Bhaskar, H.O. Kodur visited COH Anantharajupeta on 04-08-2023. Dr. Ch. Ruth, Associate Dean (FAC), Dr. K. Swarajya lakshmi, Prof. (Hort.), Dr. M.Ramaiah, Prof. (Ento.), presented a brief report of activities, merits and rewards achieved by COH, Anantharajupeta and the ICAR accreditation- grade A received by the college during the year 2022.



On 05.08.2023, B. Sc (Hort) students of Kadiri Baburao College of Horticulture, C.S. Puram had visited Dr YSRHU- HRS, Anantharajupeta as a part of exposure visit. During the visit, Dr. D. Sreedhar, Senior Scientist (Hort) and Sri. G. Sandeep Naik, Scientist (Plant Pathology) had explained about the research station activities, cultivation practices to be followed in Papaya, Banana, Mango, Guava and Turmeric crops.

On 05.08.2023 students of Kadiri Baburao College of Horticulture, C.S. Puram had visited Dr.YSRHU- College of Horticulture, Anantharajupeta as a part of the exposure visit.





Dr. G.K.Siddeswari, Asst. Prof.(Agril. Extn.) and Dr. Chandra Mohan Reddy, Asst. Prof. (Hort.) organized an exposure visit to III B.Sc. (Hort.) students of Dr.YSRHU-College of Horticulture, Anantharajupeta 03-08-2023, to papaya, banana, betel vine fields and interacted with the farmers. Later, students were taken to cold storage unit of FPO's and interacted with the managers.



Dr. M.Ramaiah, Professor (Entomology), Dr. K.Lalitha, Associate Prof. (Agronomy) organized an exposure visit for III year students COH, Anantharajupeta to a sericulture unit located at Mahila University, Tirupati on 10.08.2023.

Dr. R.Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati along with PG & Ph.D. students visited "Panchagavya products preparation unit" maintained by TTD at Alipiri, Tirupati on 02-08-2023 and discussed on various aspects in preparation of agarbattis, dhoop sticks, dhoop cones and soaps etc.



On 11/08/2023, thirty number of Telangana and Andhra Pradesh state farmers from different districts visited Dr.YSRHU - Citrus Research Station, Tirupati along with M/s. Zuari Agro Chemicals officials. A brief training on latest production and protection technologies on citrus was shared by Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukundalakshmi, Senior Scientist (Hort), Dr. D. Srinivasa Reddy, Senior Scientist (Ento) and

Dr.M.Kavitha, Senior Scientist (PP) of CRS, Tirupati and later visited information centre, screen house, field experimental blocks and nursery.

On 11.08.2023, Students of 2nd B.Sc. Agriculture, College of Agriculture, Rajamundry, ANGRAU were visited all the demo units (Processing Unit, Biofloc, Vermicompost, Azolla, Poultry, Goatary and Coconut fields of Acid lime, Ginger, Turmeric, Colacasia, Tapioca and Elephant foot yam) of KVK, Pandirimamidi and Scientist (Horticulture) and Scientist (Extension) explained in detail about all the demo units. In the programme, 48 number of students and Professor (Plant Pathology) & Assistant Professor (Horticulture) of College of Agriculture, Rajamundry, ANGRAU participated.



### Awards:

Appreciation awards were presented to non-teaching staff on 77<sup>th</sup> Independence Day 15.08.2023

Sri B.V.L.Narayana, Senior Assistant, Administrative Office, Dr.YSRHU, VR Gudem

Sri K.Rama Krishna, Senior Assistant, Administrative Office, Dr.YSRHU, VR Gudem

Sri M.Govinda Naik , AEO, Horticultural Research Station, Lam, Guntur

Sri K.R.Sudhkar Chetty, AEO, Citrus Research Station, Tirupathi

Sri S.Ameer Basha, AEO, Citrus Research Station, Tirupathi

Sri N.Rama Krishnaiah , AEO, Citrus Research Station, Petlur

Smt. A.Subhavathi , AWM, College of Horticulture, Anantharajupeta

Sri Neelapala Ramu, AWM, Horticultural Research Station, Venkataramannagudem

Smt. V.Satyavathi , Attender, Horticultural Research Station, Ambajipeta

Smt. P.Krishna Veni, AWM, Horticultural Research Station, Ambajipeta

Smt. U.Lakshmi Devi, AWM, College of Horticulture, Anantharajupeta

Sri S.Khadar Valli , AWM, College of Horticulture, Anantharajupeta

Sri S.Khadar Basha, Office subordinate, College of Horticulture, Anantharajupeta



## Publications

Pantanu asinche rugose tella doma, nasthalu, yajamanya paddhatulu, Viswanadha Raghuteja and N. B. V. Chalapathi Rao. Eruvaka, August 2023, pp 24.

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**Dr B.Srinivasulu**, Registrar  
**Dr E. Karuna Sree**, Director of Extension  
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