



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-31 October



Fortnight Focus

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From Vice- Chancellor's Desk

Dr. Y.S.R. Horticultural University (Dr.YSRHU) stands as a beacon of educational excellence and research prowess, exemplifying a steadfast commitment to advancement. The institution's unwavering dedication to academic rigor and innovation has borne fruit in the recent accomplishments of its students. University has been awarded by the ICAR for highest number of SRF and JRF fellowships in the category of Horticulture and Agro Forestry continuously for the past three years. This noteworthy achievement not only highlights the consistently high academic standards upheld by Dr.YSRHU but also underscores the institution's success in fostering a culture that nurtures research-oriented individuals. The ICAR fellowships serve as a testament to the students' scholarly dedication and the university's commitment to producing skilled professionals in the field of horticulture.

The recognition and opportunities bestowed by these prestigious fellowships are poised to catalyze the growth of both the individual scholars and the university. Dr.YSRHU, through this accomplishment, further solidifies its stand as a leading institution in Horticultural Education, contributing significantly to the advancement of horticultural sciences.

Dr T.Janakiram
Vice-Chancellor

The Events

Events

National Unity Day (Ekta Diwas) was celebrated on 31-10-2023 in all colleges of DrYSRHU. As a part of the programme, we took Ekta Diwas pledge and paid floral tributes to Sardar Vallbhai Patel, the greatest leader of the Nation known as Iron Man of India.



Khadi Mahotsav was organised by the NSS units at the College of Horticulture, Anantharajupeta, on 31-10-2023. As a part of the programme, Khadi film was played for the students and then took Khadi Mahotsav pledge.



FIT INDIA FREEDOM RUN 4.0



“Fit India Swachhata Freedom Run 4.0” was organised by SFU, NSS UNIT, College of Horticulture, Chinalataripi as a part of ‘Meri Mati Mera Desh’ campaign on 31.10.2023. NSS volunteers actively participated in the programme and took out a rally for a kilometre to the nearest village, Oguru. Dr. S.S. Vijaya Padma, Associate Dean, all the teaching and non-teaching staff participated in the programme. The programme was organised by NSS Officer Dr. Y. Yohan.

The Fit India Freedom Run 4.0 was organised by the NSS Unit, College of Horticulture, Venkataramannagudem culminated with the Unity Run on 31.10.2023. The theme of the run was – Swatchh Bharat, Swasth Bharat. Dr. D.R. Salomi Suneetha, Dean of Student Affairs, Dr. M. Madhavi, Associate Dean, NSS POs Dr.C.P.Viji, Dr. U. Shiva Kumar and Ms. M. Udaya Sree, staff and students have participated in the 4 km run.



The Fit India Freedom Run 4.0 was organised by the NSS Unit, College of Horticulture, Venkataramannagudem culminated with the Unity Run on 31.10.2023. The theme of the run was – Swatchh Bharat, Swasth Bharat. Dr. D.R. Salomi Suneetha, Dean of Student Affairs, Dr. M. Madhavi, Associate Dean, NSS POs Dr.C.P.Viji, Dr. U. Shiva Kumar and Ms. M. Udaya Sree, staff and students have participated in the 4 km run.

RHWEP

Education

Dr.K.Gopal, Associate Dean, Dr.K.Lalitha, OAM (UG) and RHWEP incharges and other staff members were participated on dt. 28-10-2023 and 29-10-2023 respectively at College of Horticulture, Anantharajupeta.

A total of 15 RHWEP students were allotted to Dr.YSRHU-CRS,Tirupati. Students were divided in to two groups and Gangudupalli and Ithepalli villages of Chandragiri Mandal were allotted to them to continue their programme for the allotted period.

On 21.10.2023, twenty number of RHWEP students of Dr.YSRHU- COH, Venkatarammagudem were allotted to Dr.YSRHU-HRS, Ambajipeta and allotted to Vanapalli, Munganda and Gangalakurru villages of Dr. B.R.Ambedkar Kona-seema District.

On 27.10.2023, RHWEP students visited Dr.YSRHU-HRS, Ambajipeta and Scientists of explained about the coconut varieties and its hybrids.



On 21 October 2023, Ten Horticulture final year students allotted to KVK, Periyavaram from Dr.YSRHU- Collge of Horticulture, Anantharajupet under Rural Horticulture Work experience Programme (RHWEP) and orientation class taken by Dr. B. Govinda Rajulu, Principal Scientist (PP) & Head, KVK, Periyavaram, Dr. M.Ramaiah, Professor (Ento.) & AD representative for RHWEP. Dr. D. Thirupal, Scientist (Horticulture) & In-Charge for RHWEP from KVK-Periyavaram had given instructions to the RHWEP students. Dr. B. Vijayasree, Scientist (Home Science) and Dr. P. Nagarjuna, Scientist (Agri. Ext.), KVK, Periyavaram participated in orientation.

On 28.10.2023, Dr.M.Bala Krishna, Senior Scientist and Head and Dr.Srividya Rani.N, Scientist (Extension)-Incharge for the RHWEP students conducted orientation programme regarding the PRA techniques, extension activities, placing Information corners and method demonstrations to be conducted in their duration programme. In this programme 16 RHWEP students participated.



ELP orientation program:



Dr.K.Gopal, Associate Dean, Dr.K.Lalitha, OAM(UG) and ELP incharges of all six modules Managing Director, Managers and other staff members were participated on dt. 28-10-2023 and 29-10-2023 respectively at College of Horticulture, Anantharajupeta.

ICAR - JRF & SRF 2023

Students of College of Horticulture, Anantharajupeta students bagged ICAR- 7 Junior Research Fellowships (JRF) & 3 Senior Research Fellowships (SRF) for the year 2023-24.

ICAR SC Subplan on mushroom project

Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Horti), along with final year students visited Y. Kota village and selected suitable room for establishment of Mushroom culture unit, in Thirugudupalli (v) a hamlet of Y. Kota village, obulavaripalli (M) on 28-10-2023 and handed over to the unit to the beneficiary under the project.



Colloquium presentations in the departments of FLA and Fruitscience:

College of Horticulture, Anantharajupeta, colloquium presentations of Mr. G.Aaditya, AHD/18-01 and Sri Pavani, AHD/18-04, PhD students were conducted on 21-10-2023.

Credit Seminar presentation in the department of Vegetable science:

College of Horticulture, Anantharajupeta, credit seminar presentation of Mr. Naveen Yadav, AHD/21-02, in the course Agronomy AGRO - 691 was conducted on 21-10-2023. All the staff, PG& PhD students were participated at College of Horticulture, Anantharajupeta

Credit Seminar presentation in the department of Plant Pathology

College of Horticulture, Anantharajupeta, K.Sushma, AHD/21-04 presented credit seminar in ENTO 691 on 16-10-2023.

Final Thesis Viva

College of Horticulture, Anantharajupeta, conducted final viva in the Departments of Floriculture, Fruit Science and Post Harvest were conducted on 17th, 18th and 26th of October 2023. Associate Dean and Advisory Committee members and PG In-charge of College of Horticulture, Anantharajupeta participated.

Guest Lecture

Dr.R.V.Sujatha, Associate Professor, Dr.YSRHU-COH, VRG delivered a guest lecture as a Resource person on "Business opportunities in Horticulture to rural women (SHGs)" in the workshop on 'Entrepreneurship Gap analysis for SHGs' conducted at CSTS Govt. Degree College, Jangareddygudem on 17.10.2023.



Extension

Training programmes organized



As a part of ICAR- AICRP (fruits) Scheduled-caste sub plan programme, crop inputs (pesticides, fertilizers, water soluble fertilizers) and sprayers were distributed to SC beneficiaries at Rallacheruvu Palli, Obulavarapalli Mandal of YSR Kadapa District on 18.10.2023. The SC beneficiaries were given training on integrated nutrient management, IDM and bunch management in banana. The farmers were taken to banana orchard to showcase the AICRP technologies that were practiced in banana by the beneficiary. The programme was co-ordinated by Dr. R. Nagaraju, Principal, Principal Scientist and Head, Dr. L. Mukunda Lakshmi, Senior Scientist(H), & Dr.D.Srinivasa Reddy, Senior Scientist (Ento) and Dr.V.Gopi, Technical Assistant of CRS, Tirupati.

On 31.10.2023, Dr. N.B.V. Chalapathi Rao, Principal Scientist & Head and Dr. V. Govardhan Rao, Senior Scientist (Plant Pathology), Dr.YSRHU-HRS Ambajipeta conducted farmers training programme on "Recent technologies in bio intensive management of pests and diseases in coconut and cocoa under Sub plan programme ICAR AICRP on Palms 2023-24 at Y.Kothapalli village, P.Gannavaram mandal, Dr.B.R.Ambedkar Konaseema District Andhra Pradesh.



Demonstrated the field application of bio control agents for Coconut pest management .Created awareness on identification and destruction of Rhinoceros breeding sites like FYM heaps and dead coconut logs. Distributed inputs- *Trichoderma reesei*, *Pseudomonas fluorescens* and coconut seedlings to the identified beneficiary farmers.



On 19.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted off campus training programme to the tribal farmers from Thamarapalli village of Rampachodavaram mandal on integrated management of *Maruca* pod borer and viral diseases in black gram and green gram. Explained about *Maruca* pod borer damage, symptom, management and viral diseases transmission, vector and its management. Total 21 farmers (ST, Men) and 1 VAA participated in the programme.

On 27-10-2023, Dr.T. Kranthi Kumar, Scientist (Horticulture) Krishi Vigyan Kendra, Pandirimamidi conducted training program on "Integrated fertilizer management practices in Horticulture crops" to the Farmers at Krishi Vigyan Kendra, Pandirimamidi under TSP-2023-24. In this training programme explained about 'Improved and integrated fertilizer management practices' followed in Horticulture crops.



On 27.10.2023, Sri. K.Veeranjaneyulu, Scientist (Fisheries) Krishi Vigyan Kendra, Pandirimamidi conducted training programme on 'Backyard poultry management to tribal women farmers and chicks distribution programme and explained about breed characteristics and importance of breed, feed management methods in backyard poultry rearing, vaccination schedules, nutritional importance finally Distributed 520 one month old chicks to 52 tribal women farmers

On 20.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted a training programme on training and pruning in mango at RBK at G.V. Satram village in Mydukur Mandal. The training programme was attended by Sri. B. Venkata Subbaiah Yadav, VHA, Sunkulagari-palle, Mydukur Mandal and 25 farmers.



On 18.10.2023, Dr.E.Karuna Sree, Director of Extension and Dr. A.Devivaraprasad Reddy, Scientist (fisheries), Dr. YSRHU - KVK, VRGudem, participated in one day training to the extension functionaries working in the Buttaigudem mandal on Backyard poultry rearing and management for the livelihood support of tribal families. The programme was conducted by the Azeem Premji Foundation at Buttaigudem working on special project on social development of Tribal families.

Swachhatha Special Campaign

KVK, Pandirimamidi conducted Swachhatha Special Campaign from 2nd -31st Oct, 2023 and adopted various cleanliness activities as per the guidelines.



Dr.B.Vijayasree, Scientist (Home Science), Dr.YSRHU-KVK Nellore 2 (Periyavaram) coordinated and conducted Swachhata Abhiyan activities with the theme "Garbage free India" from Oct 2nd to Oct 31st 2023 by conducting different activities by involving farmers, women, rural youth, students and also with the collaboration of different Govt. institutions. On 31.10.2023 organized awareness on cleanliness drive, Rally and Shramadan program in collaboration with AP Model School staff and students of Venkatagiri, Tirupathi district.

Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - KrishiVigyan Kendra, Venkataramannagudem organized Swacchta Special Campaign 3.0 [2-31 October, 2023]. In this programme, the activities like, weeding out of old files, closing of old & e-files and outdoor swacchta activities were attended by the staff and scientists of KVK. Students under exposure visit were also motivated to participate in the cleanliness drive.



VC to Village

Horticultural Polytechnic, Kalikiri conducted training programme on usage of Biofertilizers, Bio-agents in Horticultural crops at adopted village on 18-10-2023.



On 28.10.2023, Dr. N.B.V. Chalapathi Rao, Principal Scientist & Head and Dr. V.Anoosha, Scientist (Entomology), Dr.YSRHU-HRS, Ambajipeta conducted interaction meeting with host farmers and allotted 11 RHWEP students to the host farmers at Vanapalli, adopted village under VC to Village Programme.

On 27-10-2023 Dr B.V.K. Bhagavan, Principal Scientist (Hort) visited Palavalasa village under VC to Village programme and participated in Polambadi and GAP programmes along with Sri Sreehari, D.A.O., Srikakulam, Sri Raja Gopal Rao, ADA, Sri Venkata Rao, ADA, FTC and Rajeswara Rao, AO, Burja. In the meeting, the farmers were informed about the importance of macro and micro nutrients for growing organic vegetables.



Dr. M. Janaki, Scientist (Hort.) & Head visited the Kondapalli village as part of the Vice-Chancellor to Village flagship programme on 30th October, 2023 and also visited the field of cassava variety Sree Reksha distributed to SC farmers under SC Sub Plan and also distributed Cassava Special and interacted with farmers.

Scientists of HRS, V.R.Gudem visited Kadiyadda as a part of the VC to Village program on 31.10.2023. Conducted diagnostic field survey in brinjal crop. Dr. M. Ravindra Babu, Senior Scientist (Horti.), explained about remedial and precautionary measures to be followed for stem and shot borer, white fly affected plants and suggested new releases varieties of Dr. YSRHU. Dr. T. Thomson, Scientist (Horti.) and Dr. N.V.Gowtham Deekshithulu (Scientist Ag. Engg.) initiated about the availability of various healthy seedlings at CERTPC. The team also visited oil palm field along with allotted RHWEP students interacted with the farmers.





On 21.10.2023, Dr.YSRHU – KVK, VRGudem conducted an Animal Health Camp at Narayanapuram village, adopted under VC to Village program. Mineral mixture, calcium supplement, medicines, fodder seed were provided to the farmers and demonstrated better management of livestock. Sri. G. Shali Raju has explained about the genesis of the VC to Village program and activities carried in the village. Dr.

A.Devivaraprasad Reddy, Scientist has explained about the fodder varieties and importance of mineral mixture and calcium to the participants. Dr. K. VenkataSatish, Scientist has explained about the importance vegetable crops.

Diagnostic Visits

Dr.YSRHU – CoH, AR Peta, Dr.Ch. Ruth, Professor (Pl. Path) along with ELP students observed rhizome rot in banana in GV Puram of Obularipalli mandal and suggested management measures on 21-10-2023.



Dr.YSRHU – CoH, AR Peta, Dr.Ch. Ruth, Professor (Pl. Path) along with ELP students observed sigatoka leaf spot disease incidence and nutritional deficiency in banana cv. Amruthapani in sri. Siva farmers field at Venkataredypalli village, Rly. Kodur mandal on 23-10-2023 and suggested management measures.

On 27.10.2023, Dr. V.Govardhan Rao, Senior Scientist (Plant Pathology) and Dr. V.Anoosha, Scientist (Entomology), Dr.YSRHU-HRS, Ambajipeta conducted diagnostic field visit in coconut plantations of East Godavari and West Godavari districts and observed that nearly 50 acres of coconut plantation is infested by Coconut Slug Caterpillar in Chivatam village of Undrajavaram mandal of East Godavari district. In roving survey, observed the incidence of Black headed caterpillar in Rajanagaram manadal of East Godavari district. Ganoderma is also observed in Prakasaraopalem and surrounding areas of West Godavari district during roving survey and diagnostic visit created awareness about the biological control of slug caterpillar using *Pediobius imbreus* and other management measures to the farmers.



On 18.10.2023, G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU-HRS, Anantharajupeta visited mango orchards for diagnosis of pests and diseases at Gobburivaripalli village of Obularipalli mandal. During the visit, Scientist observed thrips infestation and sooty mould disease and suggested to spray imidacloprid @ 0.3ml + carbendazim @ 1g per litre.

On 28.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted diagnostic field visit to maize fields at Paidiputta village of Y. Ramavaram mandal. Diagnosed fall army worm infestation in maize and recommended biological and chemical management practices.



On 30.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted diagnostic field visit to brinjal fields at Seethapalli village of Rampachodavaram mandal. Diagnosed brinjal fruit and shoot borer infestation in the field and recommended proper management practices to the farmer.

On 17.10.2023, Dr. D. Thirupal, Scientist (Horticulture), KVK, Periyavaram visited acid lime orchards at Yachaaram village, Balayapalli mandal, Tirupathi district and observed citrus canker and dry root rot as major diseases and suggested spraying of copper oxy chloride @30g + Streptocycline @1g per 10 liter of water and soil drenching with 1% Bordeaux mixture or Carbendizim @2g/l (20liters/tree) followed by application of *Trichoderma viride* mixture (FYM 90kg:Neem cake powder 10 kg: TV 1kg) @ 10kg/tree, respectively.



On 30.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture) from Krishi Vigyan Kendra, Vonipenta conducted diagnostic field visit in mango orchard at Chinta Patturu village of Khajipeta mandal. Scientist observed leaf eating webber in mango and suggested the farmer to spray neem oil @ 5.0 ml per litre + Chloropyrifos @ 2.5 ml per litre of water.

Scientist of Dr.YSRHU - MRS, Nuzvid conducted diagnostic field visit to mango orchard at Ramanakkapeta on 20.10.2023, observed hoppers on trunks and leaves. Recommended spraying of Neemoil 1500ppm @ 3ml/lit twice at 15 days intervals.



SC Sub plan



On 20-10-2023, Dr. N. Srividya Rani, Scientist & Head and Dr. S. Lavanya, Research Associate (Livestock Production) from Krishi Vigyan Kendra, Vonipenta provided papaya (Red Lady) seedlings to SC farmers under SC Sub plan.

On 21.10.2023, Dr E. KarunaSree, PS & Head and Scientists, Dr.YSRHU - KrishiVigyan Kendra, Venkataramannagudem provided battery sprayers to the farmers of Tadepalligudem, VR Gudem and azolla under SCSP and explained about various spraying operations for pest and disease management.



Demonstrations



On 18.10.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - KrishiVigyan Kendra, Venkataramannagudem conducted spraying demonstrations of nutrients and pesticides using agricultural drone on Banana at Dr YSRHU-HRS, Kovvurand Pasivedala village. Also, conducted an awareness programme on use of agricultural drones for spraying activities to the students of Government Degree College, East Godavari district at Dr YSRHU-HR, Kovvur.

On Farm Trials

On 17.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) and Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi has conducted follow up visit to finger millet fields at Jagarampalli and I. Polavaram villages of Rampachodavaram mandal as a part of OFT on assessment of biofortified finger millet varieties Indravathi and Vegavathi in tribal area of Alluri Seetharamaraju district under TSP-2023.



On 18.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi distributed nano urea to the 3 numbers of paddy growing tribal farmers from I. Polavaram village of Rampachodavaram mandal as a part of OFT on assessment of nano urea in paddy under TSP-2023.

On 19-10-2023, Dr.T.Kranthi Kumar, Scientist (Horticulture) and Dr.N.Chiranjeevi, Scientist (Plant Pathology) Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to Tapioca field at village of Rajampalem, Gangavaram mandal as a part of OFT "Introduction and Assessment of Tapioca var. Sree Raksha" under SCSP. Scientists observed Sree Raksha and PDPCMR-1 are at vegetative stage and identified Casava Mosaic Virus symptoms in farmers practice and suggested to cultivate Cassava mosaic virus resistant varieties.



On 20.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) and Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to bajra fields at Guramamidi, Dharavada and D. V. Kota villages of Maredumilli mandal as a part of OFT on assessment of biofortified bajra variety ABV-04 in tribal area of Alluri Seetharamaraju district under TSP-2023.

On 21.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) and Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to ragi fields at Panasalapalem and Bandigadda villages of Y. Ramavaram mandal as a part of OFT on assessment of biofortified finger millet varieties Indravathi and Vegavathi in tribal area of ASR district under TSP-2023.



On 27.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to paddy fields at I. Polavaram village of Rampachodavaram mandal as a part of OFT on assessment of nano urea in paddy under TSP-2023. The crop is at maximum tillering stage and the farmers applied first spray of nano urea to the paddy fields. Total 3 tribal farmers (Men) participated in the visit.

On 19.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. M. Balakrishna, Senior Scientist (SS & AC), Krishi Vigyan Kendra, Vonipenta initiated a new OFT on Management of mites in sweet orange using new Acaricides at Somireddypalle village of B. Matam Mandal. As a part of OFT, the scientists supplied new Acaricides like Ethion 50 EC @ 500 ml and Spiromesfen 25 EC @ 200 ml to the selected farmer.



Front Line Demonstrations

On 16.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) and Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi conducted follow-up visit to brinjal fields at Thimmapuram village of Addateegala mandal as a part of FLD on demonstration of IPDM practices in brinjal under TSP-2023.



On 17-10-2023, Dr.T.Kranthi Kumar, Scientist (Horticulture) and Dr.N.Chiranjeevi, Scientist (Plant Pathology) Krishi Vigyan Kendra, Pandirimamidi Conducted Follow up visit to Demonstration on Natural Farming methods in Paddy" under Out-scaling of Natural Farming-2023-24 at Goramamidi village of, Maredumilli mandal. Scientists observed paddy in healthy

On 19.10.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted follow up visit to black gram fields at Noonepalli and Thamarapalli villages of Rampachodavaram mandal as a part of FLD on demonstration of management of *Maruca* pod borer and viral diseases in black gram under TSP-2023.



On 25-10-2023 Dr.B.Vijayasree, Scientist (Home science) Dr.YSRHU-KVK Nellore 2 (Periyavaram) conducted "Front Line Demonstration on Processing and Value addition of Acidlime" at KVK, Periyavaram, Venkatagiri mandal, Tirupati District. Demonstrated preparation of value added products like acid lime squash, dehydrated black lime & preparation of acid lime peel powder.

On 19.10.2023, Dr. M. Balakrishna, Senior Scientist (Soil Science), Krishi Vigyan Kendra, Vonipenta conducted follow up visit to FLD on Natural Farming in Paddy at Somireddypalle village in B. Matam Mandal. As a part of FLD, the concerned scientist enquired the farmer about the beneficial effects of *Azospirillum* and *Pseudomonas* on the growth and development of paddy.



On 25.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. S. Lavanya, Research Associate (Livestock production), Krishi Vigyan Kendra, Vonipenta conducted follow up visit to FLD on Demonstration on regulation of flowering in pomegranate for increasing the yield and quality. The scientists observed profuse flowering and fruiting in pomegranate due to application of Nitrobenzene and Cycocel.

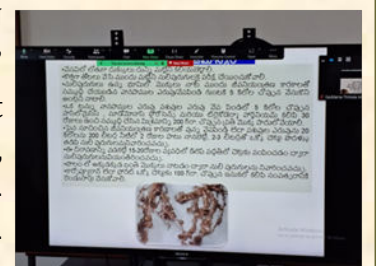
On 18.10.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem conducted diagnostic field visit on Paddy and visited FLD fields on "Demonstration of flood tolerant rice variety MTU-1232" in Aarulla village, Tadepalligudem mandal.



On 18.10.2023 Dr. E. Karuna Sree, Principal Scientist and Head Dr. YSRHU-KVK, Venkataramanangudem made follow-up visit to the demonstration fields in East Rekulakunta village of Buttaigudemmandal. The Community Nutri garden maintained by tribal women in the village was visited and advised to do timely weeding and harvesting for better yields. Also visited chili LCA-643 FLD plot and advised to give irrigation due to prevailing scarce rainfall conditions. The pulse crops viz., blackgram, cowpea and redgram were affected due to long dry spell. Also visited the Kadaknath poultry birds provided to 18 tribal families in the village under Tribal Development.

Webinar

Scientists of HRS, VR Gudem and Raithu Salaha Kendram of Dr.YSRHU conducted webinar on 'Rabi Kuragayala saagulo samagra yajamanyam' in online mode on 28-10-2023. Dr. M. Ravindra Babu, Senior scientist (Hort), Dr. T. Naga Lakshmi, Senior scientist (P.P.) and Dr. P. Sunitha, Senior scientist (Ento) has delivered the topics on cultivation, plant protection and pest control aspects. Dr. E. Karuna Sree (Director of Extension) and Dr. L. Naram Naidu (Director of Research) has addressed the event. Department of officials from Horticulture, RBK staff, FPO's and farmers from different regions have attended the meeting.



Udyana Yatra

On 19-10-2023, Dr YSRHU-KVK, Venkataramannagudem conducted exposure visit under 'UdyanaYatra' to students of Vishnu College, Bhimavaram. They visited Processing and Horticultural Skill Training Centre. The students learnt about different processing techniques and also gained knowledge on the use of processing equipments, Vermicompost technology, Azolla production technology, Bio-fertilizers, CETRPC, Museum, Community Radio Station, and Electronic wing. This program was coordinated by Dr. VenkataSatishKuchi, Scientist (Horticulture) and KVK scientists.



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

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the second fortnight of October, 2023 (3-4 PM).

Date	Topics	Scientist Name
16.10.2023	అరటిలో కలుపు మొక్కల నివారణ చర్యలు	Sri G. Purna Dattha Reddy Scientist, BRS, Pulivendula
17.10.2023	జామలో మేలైన యాజమాన్య పద్ధతులు	Dr. S.Firoz Hussain, Scientist, KVK, Vonipenta
18.10.2023	ఉద్యాన మరియు వ్యవసాయ పంటలలో నీటి పారుదల పద్ధతులు	Dr.N.V.Gowtham Deekshithulu, Scientist, HRS, VR Gudem
19.10.2023	టెర్రెస్ గార్డెనింగ్ లో పాటించవలసిన మెళకువలు	Dr. B.S. Kanthi Sri, Scientist, KVK, Vonipenta
20.10.2023	స్త్రాబెర్రి సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.V.Sivakumar, Scientist & Head, HRS, Chintapalli
21.10.2023	జీడి మామిడిలో ఎరువుల యాజమాన్యం	Dr. K.Umamaheswara Rao, Sr. Scientist & Head, CRS, Bapatla
24.10.2023	బొప్పాయి సాగులో సమగ్ర యాజమాన్య పద్ధతులు	Dr.N.Sri Vidya Rani, Scientist, KVK, Vonipenta
25.10.2023	కొత్తగా వేసుకునే చీన మరియు నిమ్మ తోటల్లో తీసుకోవలసిన జాగ్రత్తలు	Dr.E.Khamdhar Naik, Scientist, CRS, Petlur
26.10.2023	చిలగడ దుంపలో నారుమడి యాజమాన్యం	Dr. M.Janaki, Scientist & Head, HRS, Peddapuram

27.10.2023	మిరపలో నల్ల తామర పురుగుల యాజమాన్యం	Dr.N.Chiranjeevi, Scientist, KVK, Pandirimamidi
28.10.2023	పూతకు ముందు మామిడి తోటల యాజమాన్యం	Dr. B. Ramesh Babu, Sr. Scientist, HRS, VR Gudem
30.10.2023	అరటి తోటలలో పోషక యాజమాన్యం	Dr.A. Reshma Scientist, BRS, Pulivendula
31.10.2023	క్యాబేజీ సాగులో యాజమాన్య పద్ధతులు	Dr.K.Rajendra Prasad, Sr. Scientist & Head, HRS-Pandirimamid

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 second fortnight, 2023.

Date	Topics	Scientist Name
16.10.2023	రేగు/బెర్ సాగులో మేలైన యాజమాన్యం	Dr.S.Firoz Hussain, Scientist, KVK-Vonipenta,
20.10.2023	మామిడిలో చీడపీడల నివారణ	Dr.S.Adarsha, Scientist, KVK- Pandirimamidi.
27.10.2023	జామ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.B.Ramesh Babu, Principal Scientist, HRS, VR Gudem
30.10.2023	అల్లనేరేడు సాగులో మెళకువలు మరియు చీడపీడల నియంత్రణ	Dr.M.G.Bala Hussaini, Principal Scientist, HRS, Bayyapagaripalli, Madanapalli

General

Dr. E. KarunaSree Director of Extension attended the Interaction meeting and sensitization workshop on "Vikasit Bharat- Vision 2047 Action plan for Andhra Pradesh" organized by NITI Ayog to the primary sector departments viz: Agriculture, Horticulture, Sericulture, Animal Husbandry, Fisheries, Natural Farming, Marketing etc. at the Conference Hall, 1st floor, 5th Block at Andhra Pradesh Secretariat, Velagapudi on 25.10.2023 and presented the focused areas of Horticultural development for vision 2047 action plan.



On 17.10.2023 and 25.10.2023 Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) visited Jangalpalle and Chapalapalle villages of Venkatagiri and Dakkili mandals, respectively and collected data from the farmers regarding their extent of utilization of ICTs like Mobile apps, Television, social media in agriculture, horticulture and allied sectors.

Dr. R.Nagaraju, Principal Scientist & Head, Dr. L. Mukunda Lakshmi, Principal Scientist (Horti.), Dr. D. Srinivas Reddy, Senior Scientist (Ento) and Dr. M. Kavitha, Senior Scientist (PP), CRS, Tirupati attended Asian Citrus Congress-2023 from 28/10/2023 to 30/10/2023 at Nagpur and Dr. R. Nagaraju, Principal Scientist & Head presented oral paper on entitled



“Assessment of phenology, productivity and insect pests and diseases in citrus grown under climatic conditions of Rayalaseema region of Andhra Pradesh and Dr. L. Mukunda Lakshmi presented oral (2) and poster (1) presentations entitled 1. “Efficacy of RAPD and SSR markers in diversity analysis of acid lime (*Citrus aurantifolia* Swingle) cultivars”, 2. “Response of sweet orange (*Citrus sinensis* Osbeck) to varied nutritional regimes under high density planting in diverse Indian States: Andhra Pradesh and Maharashtra”, 3. Response of Acid lime (*Citrus aurantifolia* Swingle) to varied Nutritional Regimes Under HDP in Diverse Indian States: Andhra Pradesh, Tamil Nadu and Maharashtra.



As Godavari Cluster Group initiative under APSHEPB on 18.10.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC) and Mr. G. Shali Raju, Scientist (Entomology), Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem attended the assessment of performance of Agricultural drone designed by the students of NIT, Andhra Pradesh, Tadepaligudem students in comparison with commercial agricultural drone in the KVK instructional farm on various fruit crops. Students were

demonstrated the usage of Agricultural Drones for various nutrient, pest and disease management in Horticultural crops.

Meetings:

Dr. R. Nagaraju, Principal Scientist & Head, CRS, Tirupati presented progress report on the Research activities and Budget during Mid-Term Review Meeting of Citrus programmes under ICAR-AICRP on Fruits at ICAR-CCRI, Nagpur on 27th October - 2023. Dr. L. Mukunda Lakshmi, Principal Scientist (Horti.), Dr. D. Srinivas Reddy, Senior Scientist (Ento) and Dr. M. Kavitha, Senior Scientist (PP), CRS, Tirupati also attended the meet.



On 20.10.2023, Dr. V. Anoosha, Scientist (Entomology), Dr. YSRHU-HRS, Ambajipeta attended District level All Agril. Advisory Board (AAB) meeting for the month of October 2023 at Collectorate meeting hall, Amalapuram, Dr. B. R. Ambedkar Konaseema District.

Visits



Dr. E. Karuna Sree Director of Extension visited the Farmer's Producer Company on acidlime crop in Kunchampudi village of Pedavegi mandal with the support of NABARD and interacted with the acidlime processing unit established with the support of Raheja Industries. The solar dehydration unit of acid lime with 600 kg capacity is being maintained by the FPC. The dehydrated lemon is purchased by the industry. About 525 acid lime farmers are

members in the FPC and interested to take up processing and value addition of acid lime as special activity. Through this dry lemon making, ten percent product recovery was estimated and the price seems to be better during market glut. Interacted with Mr. Gandhi, CEO of the Harivillu FPC and advised to explore other marketing channels including online platform.

Awards

Dr.P.Ashok, Principal Scientist (Hort.) & Head, HRS, V.R.Gudem participated and presented the paper entitled “Effects of Plant growth regulators in yield and quality of Rambutan (*Nephellium lappaceum* var. *Lappaceum*)” in the International seminar on “Exotic and Underutilized Horticultural crops: Priorities & Emerging Trends” from 17th – 19th October, 2023 at IIHR, Bengaluru and received best oral presentation award in the above seminar.



Publications:

VSSV Prasanna, M Madhavi, L Mukunda Lakshmi, T Rajasekharam, Y Amaravathi and K Uma Krishna (2023). Assessment of variability in fruit, yield and biochemical characters of acid lime (*Citrus aurantifolia* Swingle) germplasm. *Pharma Innovation Journal* 2023; 12(5): 4232-4238.

VSSV Prasanna, M Madhavi, L Mukunda Lakshmi, T Rajasekharam, Y Amaravathi and K Uma Krishna (2023). Assessment of variability in qualitative and quantitative morphological characters of acid lime (*Citrus aurantifolia* Swingle) germplasm. *Pharma Innovation Journal* 2023; 12(5): 2751-2757.

R Thulasi, Dr. L Mukunda Lakshmi, Dr. D Sreedhar, Dr. D Sriniva Reddy and Dr. KV Naga Madhuri (2023). Effect of composite micronutrient on growth and yield of sweet orange. *Pharma Innovation Journal* 2023; 12(10): 1938-1940.

Published pamphlet on “Trichoderma – Silindra Jeeva Niyrantra Karakam” by V. Govardhan Rao, B. Neeraja, A. Kireeti, V. Anoocha and N. B. V. Chalapathi Rao .

Published pamphlet on “Pseudomonas fluorescens – Bacteria Jeeva Niyrantra Karakam” by V. Govardhan Rao, B. Neeraja, A. Kireeti, V. Anoocha and N. B. V. Chalapathi Rao.

M. Janaki, J. DilipBabu, L. Naram Naidu, C. VenkataRamana, K. Koteswara Rao and K. Uma Krishna. 2023. Genetic Analysis for Quality Attributes in Chilli (*Capsicum Annuum* L.). *Plant Archives*. 23 (2): 185-190.

M. Janaki, J. DilipBabu, L. Naram Naidu, C. VenkataRamana, K. Koteswara Rao and K. Uma Krishna. 2023. Genetics of Fruit Bearing Habit and Fruit Orientation in Chilli (*Capsicum Annuum* L.). *Plant Archives*. 23 (2): 191-193.

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