

# Dr YSRHU e-Newsletter

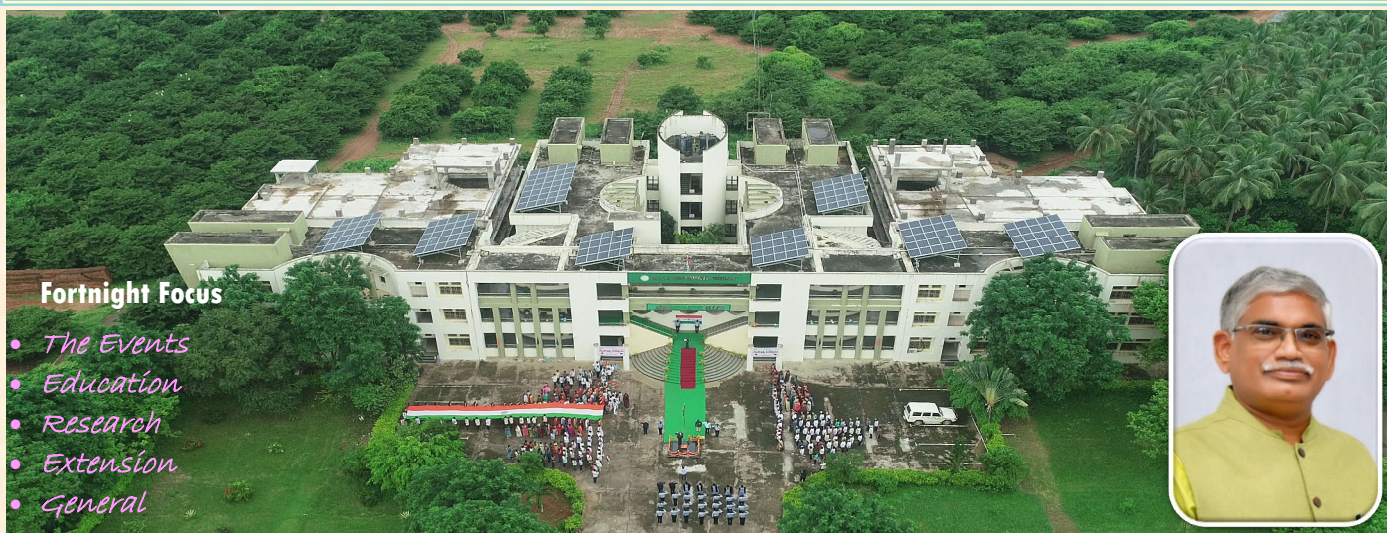
Fortnightly e-Newsletter of Dr Y.S.R.Horticultural University



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Dr YSRHU e-Newsletter

16-30 November 2023



## Fortnight Focus

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From Vice- Chancellor's Desk

Dr. YSR Horticultural University (Dr.YSRHU) has recognized the pivotal role of women in horticulture sector, and in response, has undertaken significant efforts towards their empowerment through skill trainings and workshops. Dr.YSRHU has adopted multifaceted approach to empower women, thereby contributing to their socio-economic development and fostering gender equality.

Through targeted skill training programs and workshops, Dr.YSRHU aims to equip women with the knowledge, tools, and practical skills necessary to excel in various aspects of horticulture and related fields. These programs cover a wide range of topics, including bamboo value addition, dry flower technology, mushroom cultivation, beekeeping, terrace gardening, chocolate making, and horti-millet based value-added products etc. By providing hands-on training and access to resources, Dr.YSRHU enabled women to explore entrepreneurial opportunities and become self-reliant.

Moreover, these initiatives not only enhance technical skills but also promote leadership development, entrepreneurship, and financial literacy to the rural and tribal women. Dr.YSRHU also fosters a supportive environment that encourages women's active participation and promotes a culture of gender equality within the institution.

Furthermore, Dr.YSRHU's commitment to women's empowerment is evident in its strategic partnerships with government agencies, non-profit organizations, and industry stakeholders. Collaborative efforts amplify the impact of skill trainings and workshops, reaching a broader audience and facilitating sustainable change at the grassroots level.

Dr.YSRHU's initiatives in women's empowerment through skill trainings and workshops demonstrate a holistic approach towards fostering gender equality, promoting socio-economic development, and empowering women to realize their full potential in horticulture.

**Dr T.Janakiram**  
Vice-Chancellor



## The Events

### Events

#### Dr. YSRHU-TTD -Women Empowerment - Dry Flower Technology-Pushpa Prasadam Project:

Pushpa Prasadam portrait of “Sri Venkateswara Swamy” crafted with worshipped flower powders under the supervision of Dr. R. Nagaraju, Principal Scientist (Hort) & Head at Dr YSRHU - CRS, Tirupati was presented to Sri Narendra Modi Ji, Hon'ble Prime Minister of India at Tirumala Tirupathi Devasthanams by Sri. Karunakara Reddy, Chairman, TTD and Sri A.V. Dharma Reddy, E.O., TTD on November 26, 2023.



#### Constitution Day

Samvidhan Divas (Constitution Day) was celebrated by all the institutes of Dr.YSRHU by taking pledge to observe the constitutional rights and responsibilities with utmost commitment and loyalty.



#### Ethnic Vegetable Day

The Department of Vegetable Science organized the “Ethnic Vegetable Day” on November 22<sup>nd</sup>, 2023 at College of Horticulture in Venkataramannagudem in the august presence of Dr. T. Janakiram, the Hon'ble Vice-Chancellor of Dr. YSRHU as the Chief Guest and all the university officers. The field demonstration of various ethnic and underutilized vegetables was organized and scientists explained about the nutritional and ethnic importance of specific vegetables. Farmers interacted with the productivity and availability of planting material of various vegetables under demonstration. The teaching and non-teaching staff of the College of Horticulture, Venkataramannagudem, UG and PG students and farmers from Nallajarla, Theliki-charla, Gantavarigudem and Prakasharao Palem villages participated in the programme.





## Valedictory function of training programme on “Chocolate making ”



The Valedictory programme of ICAR SC-Sub Plan Project 2022-2023 on “Entrepreneurship development through value addition of Cocoa (Chocolate making at farm level- Bean to bar) for improving livelihood of SC unemployed youth of West Godavari District of Andhra Pradesh” was organized on 30.11.2023. Dr.T.Janakiram, Honourable Vice-Chancellor, Dr.YSRHU graced the occasion as Chief Guest along with the University Officers. Under the project, four

training programmes on chocolate making were organized and participants were trained in making of different types of chocolates, marketing and govt. schemes for promoting entrepreneurship. The programme was presided by Dr.M. Madhavi, Associate Dean and organized by Dr.M.Kalpana, Professor &Principal Investigator and Co-PIs Dr.R.V.Sujatha, Associate Professor; Dr.A.Chandini Raj, Assistant Professor and Dr.T.Ravi Kiran, Assistant Professor, CoH, Venkataramanagudem.



## Inauguration of Exotic Fruit Orchard



On 30.11.2023, Hon’ble Vice-Chancellor Dr. T. Janakiram, Director of Research Dr. L.Naram Naidu initiated Exotic Fruit Orchard at ‘A’ Block of Horticultural Research Station, V.R.Gudem. Staff of HRS, V.R.Gudem, RHWEP students from CoH, Parvathipuram were actively involved in planting of different exotic fruit saplings.

## World Fisheries Day celebrations at KVK, Pandirimamidi on 21-11-2023

On 21-11-2023, Sri K.Veeranjaneyulu, Scientist (Fisheries) has conducted World Fisheries Day at Krishi Vigyan Kendra Pandirimamidi. The scientist interacted with Fish farmers and fish women entrepreneurs and explained about innovative methods like, biofloc techniques, RAS technology and hydroponic system etc.



## Education

### Strengthening of Hostel facilities

As a part of strengthening the amenities at Akshay (Boys hostel) and Sharada (Girls Hostel), at CoH, Venkataramannagudem, Dr. T. Janakiram, Honorable Vice-Chancellor, Dr YSRHU inaugurated Air Condition facility to international students and provided Chapati machine and kitchen utensils and accessories. Dean of Student Affairs Dr. D. R. Salomi Suneetha, Associate Dean Dr. M. Madhavi, Dr. Ch.Nalini, Warden, Girls hostel, other teaching staff and students participated in the programme.



Dr. Venkata Satish Kuchi, Scientist (Horticulture) Dr. YSRHU-KVK and K. Gangadhar Assistant Professor (Vegetable Science) COH, VR Gudem conducted inter university students interaction meeting for BSc (Hons) Horticulture final students of Dr. YSRHU and BFSc. final year students from CJ university, Chattisgarh.



RHWEP students allotted to CRS, Tirupati organized method demonstrate on programmes in their respective villages viz., Itepalli and Gangudupalli of Chandragiri mandal, Tirupathi - dist. during the period under report.



Dr.M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has visited the RHWEP villages (Kattamuru and R.B.Patnam) along with Miss. Aruna, Assistant Professor, Associate Dean Representative from College of Horticulture, Parvathipuram on 20.11.23 and interacted with RHWEP students and host farmers and also visited farmer's fields.

Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has explained about different tuber crops and their production technology on 21.11.23 at HRS, Peddapuram to eight RHWEP students of College of Horticulture, Parvathipuram allotted to Dr. YSRHU – HRS, Peddapuram.



On 22.11.2023, Dr.Srividya Rani.N, Scientist (Extn.) and Dr.B.S.Kanthi Sri, Scientist (Home Science) visited to RHWEP students allotted village of Sunkulugaripalli village of Mydukur mandal. RHWEP students arranged an Information corner on Sigatoka leaf spot symptoms and its control measures. Scientists also interacted with the farmers on Sigatoka disease management in their village. Dr.S.Lavanya, Research Associate (Veterinary), RHWEP students and farmers participated, in the programme.

From 16<sup>th</sup> to 30<sup>th</sup> November, 2023 RHWEP students from College of Horticulture, Anantharajupeta allotted to KVK, Vonipenta had conducted survey by employing Participatory Rural Appraisal Techniques such as Time Line, Mobility Map, Pie Chart, Problem Tree Analysis to ascertain the village social conditions and resources. Method demonstrations like installation of yellow sticky traps were also conducted. Explained about the precautions to be taken while spraying chemical in various crops in the villages viz., Viswanathapuram, Sunkulugaripalli and T.Kothapalli of Mydukur mandal.



## Research

On 25.11.2023, Dr.N.B.V. Chalapathi Rao, Principal Scientist & Head visited cassava fields of HRS, Peddapuram and farmer's cassava fields at Peddapuram, Kattamuru and Valuthimmapuram villages and collected mealy bug samples to confirm the presence/absence of exotic mealy bug *Phenococcus manihoti* which was reported from other south Indian states. Sample collection was done and sent to NBAIR, Bengaluru for species level identification. The survey was coordinated by Dr. Janaki, Head, Dr.YSRHU-HRS Peddapuram and Smt. Sujatha, Horticulture officer, Peddapuram. Further explained to students of COH Parvatipuram who are stationed at Peddapuram about RSW infestation symptoms in oil palm.





Dr. K. Mamatha, Pr. Scientist (Hort.), Dr.YSRHU- HRS, Kovvur conducted survey in Rampachodavaram and Maredumilli mandals of Alluri Seetharamaraju district on 21.11.2023 for exploration and collection of tuber crops germplasm and collected five accessions of *dioscorea* and one accession each of Sweet potato, *Coccinea*, Taro and Tannia.



## Extension

### Training programmes organized

From 22<sup>nd</sup> - 23<sup>rd</sup> November, 2023 Dr YSRHU - Horticultural Research Station, Ambajipeta conducted "Refreshers program on coconut management, value addition and CDB schemes for Departmental officers" in collaboration with Coconut Development Board at Horticultural Research Station, Ambajipeta Dr. B.R. Ambedkar Konaseema district, Andhra Pradesh. Scientists of Ambajipeta delivered lectures on improved package of practices varieties in coconut, advances in IPM on coconut, bio control measures for emerging coconut pests.



On 18.11.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted training programme to the ZBNF staff (Extension functionaries) on identification of nutrient deficiencies and their management in various Horticultural crops.

From 21.11.2023 to 23.11.2023, Krishi Vigyan Kendra, Pandirimamidi has conducted skill development training programme on mushroom cultivation under TSP-2023-24. Total 42 trainees (21 men, 19 women) participated in the programme and Dr. N. Chiranjeevi, Scientist (Plant Pathology) coordinated the programme.



On 22.11.2023, Dr.Srividya Rani.N, Scientist (Extension) from KVK, Vonipenta had conducted training programme on "Intercropping system in Agricultural and Horticultural crops and its importance" in Viswanathapuram village RBK of Mydukur mandal.

On 22-11-2023 Dr.S.Lavanya, RA (Livestock Production) from Krishi Vigyan Kendra, Vonipenta conducted one day training programme on Best management practices of Sheep and Goat. Dr. Srividya Rani, N, Scientist (Agri. Extension) and Dr. B. S. Kanthi Sri, Scientist(Home Science) from KVK, Vonipenta co-ordinated the programme.





Dr.YSRHU-KVK,VRGudem has conducted the training program on the Freshwater Aquaculture from 16.01.2023 to 30.11.2023 to the participants from Chhattisgarh. Dr. A. Devivaraprasad Reddy, Scientist acted as Course Coordinator. Various resource persons from in house and from the external participated in the program to enlighten the topics related to aquaculture for innovation, sustainability, eco-friendly and scientific management for better improvement of production and productivity.



Dr.YSRHU-KVK,VRGudem conducted the training program on the Backyard poultry rearing on 16.11.2023. In this program, Dr.A.Devivaraprasad Reddy, Scientist has explained on the poultry varieties, feed management, chick management, etc. to the participants. Also highlighted the importance of poultry for livelihood and socio-economic status of tribal folks.

On 17-11-2023, in view of Janjatiya Gaurav Diwas, Dr. **YSRHU-KVK**, Venkataramannagudem conducted a capacity building training program on integrated crop management practices with reference to flower management in cashew to tribal cashew farmers at RBK, Vankavarigudem, Jeelugumilli Mandal, distributed the cashew crop inputs (13-00-45) to the cashew farmers under the technical program



“Integrated crop management practices in cashew” and also organized an awareness programme on “Spraying of agrochemicals by Agricultural drones on various crops”. The program was coordinated by Dr. K. Venkata Subbaiah, Scientist (Horticulture) and Dr. M.Raghavendra Reddy, Scientist (SSAC), Dr.YSRHU-KVK,VRG. Twenty two tribal cashew farmers participated in the programme.

On 17/11/2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram conducted training programme on ‘Production technologies in Black gram’ and enlightened farmers on Black gram (TBG-104) varietal characteristics, seed treatment, seed rate, spacing, herbicide application and other package of practices.



Sri.G.Shali Raju, Scientist (Entomology), Dr.YSRHU - KVK,V.R.Gudem conducted skill training programme on Beekeeping from 20.11.23 to 22.11.23 under Janjatiya Gaurav Diwas at Busarajupalli village, Buttaigudem mandal.

On 23-11-2023, In view of Janjatiya Gaurav Diwas from 15-26<sup>th</sup> of November, 2023 Dr. YSRHU-KVK, Venkataramannagudem conducted a skill training program on ‘Value addition in banana to tribal farmer’ at Dr.YSRHU-KVK, Venkataramannagudem and also distributed Vegetable seed, Garden kits and Battery sprayers to farmers of Jeelugumilli and Buttayagudem mandal under Tribal Sub Plan. The program was co-ordinated by Dr. Venkata Satish Kuchi, Scientist (Horticulture).





Dr.V.Deepthi, scientist (Agril extension) YSRHU-KVK, Venkataramannagudem conducted a capacity building training program on 'Integrated crop management practices in groundnut and black gram' to tribal farmers at Barrinkalapadu village of Jeelugumilli Mandal on 25-11-2023 and later distributed the neem oil to the groundnut & black gram farmers under tribal sub plan.



On 26.11.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram conducted Training programme on 'Fodder production technologies'. Enlightened farmers on characteristics of cowpea (Co-9) variety as leguminous fodder crop, super Napier fodder and drum silage method of fodder preservation.

### Training programmes attended

Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has delivered a lecture on "Production Technology of Chilli" for 40 dealers under DEASI Programme organized by ATMA, Kakinada on 19.11.2023 held at meeting hall of ADA, Pithapuram.



On 21-11-2023, K.Veeranjaneyulu, Scientist (Fisheries) has participated as a Guest lecture on Best Management practices in Indian Major carp culture at Government Degree College, Rampachodavaram. Explained about importance and opportunities in Fisheries, Pond construction methods, Seed selection methods, Feed management methods, Disease management methods, Fish harvesting methods etc.

On 28-11-2023, K.Veeranjaneyulu, Scientist (Fisheries) given a guest lecture on 'Feed and disease Management practices in Indian Major carp culture' for B.F.Sc final year students of College of Fisheries, Kawardha, Chattisgarh. Explained about Feed management methods like, selection of feed ingredients, disease feed preparation methods, FCR and feed calculation methods, disease management methods and fish harvesting methods etc.



As part of programmes of Janjatiya Gaurav Diwas, on 22.11.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem attended as the resource person for the meeting organized by Tobacco Board at Achiyapalem (V), Buttayigudem (M), Eluru District. Dr M. Raghavendra Reddy, Scientist (SS&AC) explained about the "Soil health management". Also, addressed the gatherings on possible ways of soil restorations including practicing of Natural Farming. Later, explained the methods of preparations of various concoctions in Natural farming and their benefits.

On 28 November 2023, Dr.D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram attended as a resource person in awareness programme on "Sustainable Development through Horticulture" for 9<sup>th</sup> class students of Kendriya Vidyalaya, Venkatagiri, Tirupathi Dist. Created awareness on Horticulture crops cultivation practices and also given a career guidance to the students.





### HRD training programme

HRD training to Scientists from AP KVKs on improved crop management in chilli on 23.11.2023 organized by Dr. YSRHU at HRS LAM, Guntur. Dr. L. Naram Naidu DR, Dr. YSRHU and Dr. Subbareddy, DE, ANGRAU graced the inaugural session. Dr E Karuna sree DE Dr. YSRHU coordinated the programme. Dr. Giridhar, PS and Head and Scientists from HRS, LAM participated as resource persons. Literature on Chilli IPM, management of black thrips, viral disease management and post harvest technology were provided to the scientists.



### Vikshit Bharat Sankalp yatra program



On 18-11-2023, KVK Pandirimamidi participated in Vikshit Bharat Sankalp yatra program at Bandapalli village of Rampachodavaram mandal. Dr P.Lalitha Kameswari PS& Head KVK , Pandirimamidi explained farmers about the PMKISAN, PRANAM schemes of the central government and how these schemes are benefiting the farmers . she also taken the feedback from the farmers regarding the schemes and conducted short Q&A session regarding farming. After that Drone demonstration was conducted in the nearby farmers field , she emphasized the importance of drones in Agriculture and how farmers can save time and money by using the drones. Various officials from government departments elucidated about central government schemes. 58 Farmers ,36 Women and children, 22 Line Departmental Staff attended the program.

On 20-11-2023 Staff of KVK, Pandirimamidi participated in Vikshit Bharat Sankalp yatra program at Busigudem and Madicherla villages of Rampachodavaram mandal. Dr. R. Praveen Babu Scientist (Extn), KVK , Pandirimamidi explained farmers about the PMKISAN, PRANAM schemes and other central government schemes. He also taken the feedback from the farmers regarding the PM Kisan scheme. After that Drone demonstration was conducted in the farmers field. 38 farmers, 42 women and children, various Departmental Staff attended this program.



### International Year of Millets



As part of events of 'International Year Of Millets-2023', on 20.11.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem organized a competition of drawing and elocution to the students of CSI PS, VC to Village, Buttayigudem (V), Dwaraka Tirumala (M), Eluru (D). In this programme, students showcased various drawings depicting the millets in daily life and in the elocution topic covered is "The importance of millets in human health". Later, Dr. M. Raghavendra Reddy, Scientist (SS&AC) emphasized to students to consume millets in daily diet.

### CFLD Pulses (Rabi) programme

On 18.11.2023 and 19.11.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) and Dr.B.GovindaRajulu, Principal Scientist and Head, KVK Periyavaram distributed critical inputs viz., Black gram (TBG-104) seed and rhizobium bio-fertilizer to the beneficiaries for conducting CFLD Pulses (Rabi) programme in Black gram crop.





## .Webinar

17<sup>th</sup> Global Connect Series on “Floriculture- A Profitable and Eco- friendly Agribusiness” was organized by Dr.YSRHU in Collaboration with Bangladesh Agricultural Research Institute, Bangladesh, on 17.11.2023.

Dr.YSRHU- Farmers Advisory Cell and MRS, Nuzvid conducted webinar on “Mamidilo melyn dhi-gubadulaku rythulu chepattavalasina cheryalu” on 21.11.2023.

## VC to Village Programme

Dr.Ch.Ruth, Prof.(Pl.Path.) visited KR Kandriga village and created awareness on mushroom cultivation and established mushroom unit. Room cleaning and sanitation was done on 28-11-2023 and mushroom bedding was conducted with milky mushroom spawn on 29-11-2023 along with ELP-407 students and Rajesh, VHA and farmers of KR Kandriga were participated.



Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. Mukundal Lakshmi, Principal Scientist (Hort) and Dr. M. Kavitha, Senior Scientist (Pl. Path), CRS, Tirupati visited the adopted village on 28-11-2023 and discussed with the farmers. Control measures against brinjal fruit and shoot borer was displayed by the RHWEP students at Information corner, Gangudupalli on 29-11-2023.



On 24.11.2023, Dr. V.Anoosha, Scientist (Entomology) and Sri. A.Kireeti, Scientist (Horticulture) Dr.YSRHU-HRS, Ambajipeta planted ECT seedlings in the ZPH School, Vanapalli, adopted village under VC to Village programme. School staff, students and RHWEP students are also participated.

On 30-11-2023 Dr B.V.K. Bhagavan, Principal Scientist (Hort) visited Palavalasa village under VC to Village programme and distributed the seed of *Dolichos* Beans Arka Amogh variety to the farmers and also informed the farmers about the spraying of pesticides viz., *pipronil*@2ml to control sucking pests in Brinjal and chillies crop.



## Diagnostic visits



Dr. K. Venkata Subbaiah, Scientist (Horticulture) and Dr. M.Raghavendra Reddy, Scientist (SSAC), Dr.YSRHU-KVK,VRG conducted a field diagnostic visit in water melon var. Arka Shayma and private hybrid in Jeelugumilli village on 17-11-2023. Suggested application of borax @ 3-4g/l for promotion of female flowers for enhancing the yield in water melon, install yellow sticky traps to control sucking pest and also suggested to install the fruit fly traps to control fruit flies in the field.

On 23-11-2023, Dr. Ch.Ruth, Professor (Pl. Path.) and Dr. K.Swarajya Lakshmi, Professor (Horticulture) visited Y. Kota, Obulavaripalli (M), Annamaiahdt. and observed papaya seedlings planting and banana Grand naine cultivar and suggested control measures for the control of collar rot in papaya and sigatoka leaf spot in banana. Sri Yashwant, VHA, ELP 407, ELP 403 final year students, COH, Anantharujupeta and farmers Neevalla Ravi and Sri Avula Haribabu, participated the programme.





Dr. K. Ravindra Kumar, Sr. Scientist (Hort.) and Dr. A. Snehalatha Rani, Sr. Scientist (Plant Pathology), Dr.YSRHU- HRS, Kovvur conducted diagnostic survey in Vadapalli and Togummi villages of East Godavari District on 22.11.2023. Observed Incidence of leaf curl, infestation of root knot nematodes and nutritional disorders in papaya and *Spodoptera litura* in cultivar Tellachakkerakeli of Banana.



Dr.Ch.S. Kishore Kumar, Sr. Scientist (Plant Pathology), Dr.YSRHU- HRS, Kovvur conducted diagnostic survey in Vadapalli village of East Godavari District on 29.11.2023. Infestation of root knot nematode was observed in papaya.

Dr.M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has participated in diagnostic field visit on Cassava mealy bug (*Phenococcus manihoti*) along with Dr. N. B. V. Chalapathi Rao, Principal Scientist and Head, HRS, Ambajipeta; Smt. N. Sujatha, Horticultural Officer, Peddapuram and VHA's on 23.11.23 and collected the mealy bug samples and also observed the incidence of white fly, severe red mite and mosaic.



On 20.11.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted diagnostic field visit to brinjal fields at B.V Kota village of Rampachodavaram mandal. Diagnosed brinjal fruit and shoot borer infestation in the field and recommended proper management practices to the farmer. Total 3 tribal farmers (Men) participated in the programme.

On 29.11.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has conducted diagnostic field visit to chilli fields at Folkspeta village of Rampachodavarm mandal. Diagnosed thrips infestation and recommended biological and chemical management practices.



On 16.11.2023, Dr.SrividyaRani.N, Scientist (Extension) from Krishi Vigyan Kendra had conducted diagnostic visit in Tomato, Chilli and Blackgram fields at Mittamanupalli village of Mydukur mandal. Scientist observed early blight in Tomato, thrips infestation in Chilli and Maruca pod borer infestation in blackgram, suggested control measures.

On 18.11.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted diagnostic field visit in Mango at Lekkalavaripalle village of Mydukur Mandal. The scientist observed mites and leaf eating caterpillar in mango and suggested control measures.





On 22.11.2023, Dr.SrividyaRani.N, Scientist (Extension) and Dr.B.S.Kanthi Sri, Scientist (H.Sc.) from KVK, Vonipenta had conducted diagnostic visit in Chilli field at Jangampalli village of Mydukur mandal. Scientists observed black thrips in Chilli and suggested control measures.



On 23.11.2023, Dr.Srividya Rani.N, Scientist (Extension) and Dr.B.S.Kanthi Sri, Scientist (H.Sc.) and Dr.S.Lavanya, Research Associate from KVK, Vonipenta had conducted diagnostic visit in Turmeric at Adireddypalli village of Mydukur mandal. Scientists observed Rhizome rot infestation in Turmeric and suggested control measures.

On 25.11.2022 Dr.V.Deepthi, scientist (Agril extension) YSRHU-KVK, Venkataramannagudem conducted diagnostic visit to groundnut field at Vankavarigudem village and suggested effective flowering and pest management in groundnut.



### SC Subplan



On 23-11-2023, Dr. Ch.Ruth, Professor (Pl. Path.) and Dr. K.Swarajya Lakshmi, Professor (Horticulture) visited Tirugudupalli, Y. Kota Panchayat, Obulavaripalli (M), Annamaiah dt. and observed mushroom unit under SC subplan of beneficiary Sri. Sankar Murumutla. Explained about streaking, harvesting of oyster white, pink, Grey and casing in milky mushrooms and sanitation measures along with Sri.Yashwant, VHA, ELP 407, ELP 403 final year students, COH, Anantharujupeta.

On 30-11-2023, Dr. Ch.Ruth, Professor (Pl. Path.) and Dr. K.Swarajya Lakshmi, Professor (Horticulture) visited Mushroom unit established in Arundhatiwada, SC colony, Venkatareddipalli Village, Rly. kodur (M), Annamaiah dist. and observed mushroom unit at VenkataReddypalli under SC Subplan of beneficiary Sri.SivaKumar. Explained about streaking, of oyster white, pink, grey mushrooms and sanitation measures along with Sri.Sreenivasulu, EX ZPTC member, Sri Hemeswara Reddy, Progressive farmer, ELP 407, ELP 403 final year students, PG student Veekshitha, Dept. of Pl.Pathology, COH, Anantharujupeta.



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Sri.Sreenivasulu, EX ZPTC member, Sri Hemeswara Reddy, Progressive farmer, ELP 407, ELP 403 final year students, PG student Veekshitha, Dept. of Pl.Pathology, COH, Anantharujupeta.



## On Farm Trails

On 16.11.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem visited OFT fields of “Assessment of Natural Farming Methods in Paddy” at Venkataramannagudem and Chinna vellamilli.



On 20.11.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to brinjal fields at Irlapalli village of Rampachodavaram mandal as a part of On Farm Trial on assessment of brinjal grafts for yield and management of wilt under TSP-2023.

On 20.11.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta initiated an On Farm Trial on Introduction of Onion variety NHRDF Fursungi to Kesalingayapalli village farmer of Mydukur mandal. As a part of the OFT, the scientist provided seeds of onion variety NHRDF Fursungi to the farmer.



On 22.11.23, Dr. B.S.Kanthi Sri, Scientist (H.Sc) visited Viswanadhapuram Village of Mydukur mandal and initiated OFT on “Antioxidant rich millet Nutribar and normal Pearl millet bar”. She conducted sensory evaluation on Anti-oxidant rich millet Nutribar and normal Pearl millet bar and provided Anti-oxidant rich millet Nutribar –T1, Pearl millet and groundnut bar-T2 and groundnut chikki – farmers practice to the 5 women farmers as a part of OFT for evaluation with seven rating scale for measuring taste, nutritional benefits, smell and total acceptance of the product.

On 28.11.2023, Dr. S. Lavanya, Research Associate (Livestock production) from Krishi Vigyan Kendra, Vonipenta initiated OFT on “Assessment of improved fodder sorghum varieties viz., CoFS 31 and CoFS 33 along with leguminous fodder perennial for round the year fodder production” at KVK, Vonipenta for the farmers of Adireddypalli village of Mydukur mandal. Provided seeds of CoFS 33, CoFS 31 and Hedge Lucerne to the OFT beneficiaries. Scientist gave instructions on sowing and management of fodder.



On 28.11.23, Dr. B.S.Kanthi Sri, Scientist (H.Sc) initiated OFT on ‘Dehydration of different Banana varieties to assess the flour recovery, nutritional status and value added products development’. Conducted OFT on banana Grand Naine variety -T1 for flour recovery with two women beneficiaries. After cutting into thin slices, the banana slices dried in solar poly dryer for drying. After the complete drying of the chips it will be make it to flour.

## Front Line Demonstrations

On 16.11.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi has initiated front line demonstrations on management of diamond back moth in cabbage using Nem seed powder pellets at Kapavaram village of Kunavaram mandal under TSP-2023. The crop is at vegetative stage and conducted the programme of seed powder pellets.





On 25.11.2023, Dr. M. Balakrishna, Senior Scientist and Head, Krishi Vigyan Kendra, Vonipenta initiated Front Line Demonstration on Integrated Nutrient Management in Sweet Orange for getting higher yields at Ankireddypalle of Veerapunayanipalle Mandal. As a part of FLD, scientists supplied two types of biofertilizers like *Azospirillum* and Phosphate Solubilizing Bacteria and two types of bio control agents like *Trichoderma viride* and *Pseudomonas*.



On 25.11.2023 Dr.B.Vijayasree, Scientist (Home science) Dr.YSRHU - KVK, Periyavaram conducted Front Line Demonstration on Processing and Value addition of Acidlime to rural women of adopted village (VC to Village) Pallipadu,Balyapalli (M), Tirupathi (dt).

### Natural Farming

On 24-11-2023, Dr.R.Praveen Babu, Scientist (Extension), KVK, Pandirimamidi conducted interviews and focused group discussion on farmers perception towards natural farming at Bornagudem, K.Yerrampalem villages of Rampachodavaram mandal.



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

Date	Topics	Scientist Name
16.11.2023	చిరుధాన్యాలతో ఉద్యాన ఉత్పత్తులను కలిపి విలువ జోడింపు విధానాలు	Dr. B.S. Kanthi Sri, Scientist, KVK, Vonipenta
17.11.2023	పాలీహౌస్ లో కాప్పికం సాగులో మెళకువలు	Dr.T.Thomson, Scientist, HRS, VR Gudem
18.11.2023	బయోప్లాక్ విధానంలో చేపపిల్లల పెంపకం	Sri K.Veeranjaneyulu, Scientist (Fisheries), KVK, Pandirimamidi
20.11.2023	అరటిలోనార తీయు విధానం - ఆవశ్యకత	Sri G. Purna Dattha Reddy Scientist (Hort.), BRS, Pulivendula
21.11.2023	శీతాకాలంలో తమలపాకు తోటల్లో తీసుకోవలసిన జాగ్రత్తలు	Dr. D. Aparna, Senior Scientist, HRS, VR Gudem
22.11.2023	ఆయిల్ పామ్ తోటలలో సమగ్ర పోషక యాజమాన్యం	Dr.T.Kranthi Kumar, Scientist (Horticulture), KVK, Pandirimamidi
23.11.2023	పండ్ల తోటలలో పూత మరియు పిందె రాలుట నివారణకు తీసుకోవలసిన మేలైన యాజమాన్య పద్ధతులు	Dr.T.Shantha Kumari, Asst. Prof., HPT, Kalikiri



24.11.2023	పాడిపశువులలో పొదుగును ఆశించే వ్యాధులు మరియు వాటి నివారణ చర్యలు	Dr. S.Lavanya, Research Associate, KVK, Vonipenta
25.11.2023	జీడి మామిడిలో నీటి యాజమాన్యం	Dr.K.Umamaheswara Rao, Senior Scientist (Hort) & Head, CRS, Bapatla
27.11.2023	అరటిలో నాణ్యమైన గెలల దిగుబడికి పాటించవలసిన యాజమాన్య పద్ధతులు	Dr.A. Reshma, Scientist (Plant Physiology), BRS, Pulivendula
28.11.2023	బొప్పాయి సాగులో తెగుళ్ళ యాజమాన్యం	Dr. T. Nagalakshmi Senior Scientist, HRS, VR Gudem
29.11.2023	అటవీ ఉత్పత్తుల ఆధారిత శుద్ధి పరిశ్రమ మరియు కావలసిన యంత్రాలు	Dr.P.C. Vengaiah Sr.Scientist, HRS, Pandirimamidi
30.11.2023	నిమ్మలో సూక్ష్మధాతు లోపాలు వాటి నివారణ	Dr.E.Khamdhar Naik, Scientist, CRS, Petlur

### 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 November Second fortnight, 2023.

Date	Topics	Scientist Name
17.11.2023	క్యాబేజీ క్యాలీఫ్లవర్ బ్రొకోలీ సాగులో మెళకువలు మరియు చీడపీడల యాజమాన్యం	Dr. R. Naga Lakshmi, Sr. Scientist, HRS, Lam
20.11.2023	పండ్ల తోటల్లో పూత, పిందె రాలుట - కారణాలు మరియు అరికట్టి విధానాలు	Dr.L. Mukunda Lakshmi, Principal Scientist, CRS, Tirupati
24.11.2023	ఉద్యాన పంటల్లో జీవకంచెల ప్రాముఖ్యత	Sri A.Kireeti, Scientist, HRS, Ambajipeta
27.11.2023	పండ్లు మరియు కూరగాయల పంటల్లో స్థూల మరియు సూక్ష్మ పోషకాల లోపాలు సవరణ	Smt.I. Rajeevana Scientist, KVK, Periyavaram



## TV/Radio programmes

On 24.11.2023, Dr. Dr. N.B.V. Chalapathi Rao, Principal Scientist & Head gave a TV recording on Bio control based management strategies for slug caterpillar and black headed caterpillar on coconut to Annadata slot in Etv.



## General



Dr. K.Swarajya Lakshmi, Professor (Horticulture) attended certificate course by online on Goods and Service Tax (GST) on 12<sup>th</sup>, 13<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 26<sup>th</sup> 27<sup>th</sup> October & 1<sup>st</sup>, 2<sup>nd</sup> November 2023, Federation House, Hyderabad conducted by The Federation of Telangana Chambers of Commerce and Industry (FTCCI).

Dr. K. Mamatha, Pr. Scientist (Hort.), Dr.YSRHU- HRS, Kovvur attended National Conference on Tropical tuber crops for Sustainability, Tradition, Agri-food systems and Resilience held at ICAR - CTCRI, Thiruvananthapuram from 28-29<sup>th</sup> November, 2023 and presented two abstracts entitled “ Genetic Resources of Tuber crops in Andhra Pradesh and their conservation for prosperity and sustainable livelihood”, “Integrated weed management approach in Elephant foot yam variety Gajendra for higher yields and profitability under Godavari alluviums of Andhra Pradesh” as oral presentation and also arranged exhibition of tuber crops.



Dr.M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has attended the national conference on “Tropical Tuber Crops For Sustainability, Tradition, Agri-Food Systems Resilience (NCTTC 4 Star 2023)” held on 28<sup>th</sup> -29<sup>th</sup> November, 2023 organized by ICAR-CTCRI, Thiruvananthapuram, Kerala and presented the research results on “Validation of Organic Production Technology (Poster)” and “Effect of Customized Fertilizers on Cassava Tuber Yield and Quality (Oral)” and also participated in exhibition organized by AICRP on Tuber Crops

and also acted as a rapporteur for Session III (Resources Management and Climate Resilient farming).

## Meetings

On 24.11.2023, Dr. V.Anoosha, Scientist (Entomology), Sri. A.Kireeti, Scientist (Horticulture) attended the meeting organized by Department of Horticulture and delivered lecture on improved package of practices varieties and IPM at Addanki Vari Lanka village of Dr. BR Ambedkar Konaseema district.



On 24.11.2023, Scientists, AICRP on Palms, Dr.YSRHU-HRS, Ambajipeta attended Zoom meeting on progress of AICRP on palms experiments with Project Co-ordinator, B. Augustine Jerard, ICAR-AICRP on Plams Head, CPCRI,Kasargod.

Dr. K. Mamatha, Pr. Scientist (Hort.) attended mid-term review meeting conducted by ICAR- AICRP on Tuber crops at Thiruvananthapuram on 30.11.2023 and briefed the research work pertaining to Dr.YSRHU- HRS, Kovvur.





Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram attended the T & V meeting held at ARS, Peddapuram on 23.11.2023.



Dr.M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has attended the Mid-term review meeting held on 30<sup>th</sup> November, 2023 organized by ICAR-CTCRI, Thiruvananthapuram, Kerala.

On 21.11.2023, Dr. K. Radha Rani, Principal Scientist(Hort.), MRS, Nuzvid participated in virtual meeting on “Pattern of Assistance & Input Package for crops under “Area Expansion of Exotic & Niche Fruit Crops” organized by Department of Horticulture- MIDH, Chuttugunta circle, Guntur.



Sri G.Shali Raju, Scientist (Entomology), Dr.YSRHU - KVK,V.R.Gudem attended International Conference on Plant Health Management, ICPHM 2023 – Innovation and Sustainability at PJTSAU,Hyderabad organised by Plant Protection association of India from 15.11.2023 to 18.11.2023 and presented poster presentation on “ Validation of Root Knot Nematode Management (*Meloidogyne spp*) in Guava”

## Visits

On 24.11.2023, Hon’ble Vice Chancellor Dr. T. Janakiram visited Mango Research Station, Nuzvid to see the ongoing research activities and progress of the station.



Dr. Dandin, former Vice-Chancellor, UHS, Bagalkot visited CRS, Tirupati on 21-11-2023 and visited laboratories and discussed with Ph.D. student. Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. Mukundal Lakshmi, Principal Scientist (Hort) explained about the ongoing activities of Research station.

On 20.11.2023, Dr. G. Ramanandam, Zonal Research Head visited the Dr YSRHU-HRS, Ambajipeta and conducted technical inspection. Scientists presented about the progress of work with respect to experiments along with data. During field visit, he monitored the progress in experiments and critically monitored the technical programme.



## Exposure Visits

Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati along with M.Sc students visited M/s. Micro Tissue culture Laboratory pvt. Ltd. to and discussed about latest developments on 27-11-2023.

On 27.11.2023, NABARD LEDP beneficiaries of coconut and coir value added products from Pasarlapudi, Eedarada and Jandupalli villages around 24 members with their in- charge Sri Gangadhar for exposure visit to HRS, Ambajipeta and learnt about the bio-control agents production and intercrops, value added products in coconut along with field visit.





On 23.11.2023, RHWEP Students visited Bio-fertilizer Production unit, HRS, V.R.Gudem and Dr. T. Naga Lakshmi, Senior Scientist (Pl.Path) explained about production technology and mass multiplication techniques in details.



On 25.11.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem conducted awareness on benefits of millets to the students from Chattishgadh and conducted exposure visit for students to Finger millet crop grown in millet cafeteria at KVK instructional farm.

### Awards

On 16.11.2023, Dr. N.B.V. Chalapathi Rao, Principal Scientist & Head, received Dr. Bap Reddy award for IPM for the Years 2020-22 from Plant protection association of India during the International Conference on Plant Health Management 2023.



Dr. K. Mamatha, Pr. Scientist (Hort.), Dr.YSRHU- HRS, Kovvur received Best Research paper award for the oral presentation during the National Conference on Tropical tuber crops for Sustainability, Tradition, Agri-food systems and Resilience held at ICAR - CTCRi, Thiruvananthapuram from 28-29<sup>th</sup> November, 2023.

### Superannuation

Sri C. Arunachala Kumar Reddy, Timescale worker at CRS, Tirupati retired from University services on November 30, 2023. A meeting of felicitation was arranged to acknowledge and honour his dedicated services by Teaching and non teaching staff of CRS, Tirupati.



### Publications:

New report on the invasive Bondar's Nesting Whitefly (*Paraleyrodes bondari* Peracchi) on oil palm in India. N. B. V. Chalapathi Rao, B. S. Ramani, B. V. K. Bhagvan, A. A. Sabana, M. K. Rajesh. Journal of Plantation Crops Vol 51(2): 65-69.

Performance of coconut hybrids and varieties in the East Coast of Andhra Pradesh. A. Kireeti, G. Ramanandam, B.V.K. Bhagavan, N.B.V. Chalapathi Rao, B. Neeraja, V. Govardhan Rao, B. Srinivasulu, B Augustine Jerard. Journal of Plantation Crops.Vol 51(2): 54-59.

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