



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-31 August 2023



Fortnight Focus

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From Vice- Chancellor's Desk

Dr. Y.S.R. Horticultural University, established in 2007 by the Government of Andhra Pradesh, is a trailblazing institution in India dedicated to uplifting rural and tribal communities, with a strong focus on empowering women and youth through horticulture. The university's steadfast commitment to technology transfer and extension activities has positioned it as a beacon of progress in the field.

In its quest for gender equality and female empowerment, the university designated 2020-21 as the "Dr. YSRHU Year of Women Empowerment." Under this initiative, a series of tailored webinars and programs addressed the distinctive challenges and opportunities faced by women. These events spanned a wide range of topics, including family nutrition, economic empowerment, entrepreneurship, social empowerment through Self Help Groups (SHGs), and the promotion of nutri-sensitive agriculture.

Recognizing the pivotal role of skill development in securing sustainable employment in rural and tribal regions, the university established the Processing and Horticultural Skill Training Centre at Krishi Vigyan Kendras (KVKs). This initiative provided women with training in various horticultural skills:

1. Dry Flower Technology: flower preservation & creation of value-added products from revered flowers.
2. Scientific Beekeeping: Bee hive box production and bee colony multiplication
3. Nursery Management in Horticultural Crops: Grafting and propagation techniques.
4. Mushroom Production Technology: Establishment of mushroom ventures.
5. Production of Bio-Control Agents: Organic farming practices.
6. Fruit and Vegetable Processing: Waste reduction and enhanced nutritional access
7. Millet Processing and Value Addition: Creation of millet-based enterprises
8. Integrated Farming Systems: Combining fish farming, horticulture, and livestock production
9. Backyard Poultry integrated with Horticulture: Poultry farming in plantations
10. Rubber Processing: Rubber tapping and processing.
11. Bamboo Value Added Products: Bamboo value addition.

These skill interventions left a lasting impact, resulting in numerous women receiving recognition and awards for their contributions to horticulture and entrepreneurship. By empowering women as catalysts for positive change, the university has effectively realized its vision of transforming rural and tribal areas through skill training and entrepreneurship, thereby contributing to a more equitable and prosperous society.

Dr T.Janakiram
Vice-Chancellor

The Events

Jayanthi Celebrations of “Andhra Kesari Tanguturi Prakasam Pantulu”

On 23-08-2023, the 151st birth anniversary “Andhra Kesari Tanguturi prakasam pantulu” was celebrated by all the institutes under Dr.YSRHU by remembering his exemplary courage in "Simon, go back “movement and earned him the title "Andhra Kesari" (the Lion of Andhra).



Sri Gidugu Venkata Ramamurthy Jayanthi - “Telugu Language Day”

All the teaching and non-teaching staff of institutes under Dr.YSRHU celebrated Sri Gidugu Venkata Ramamurthy 166th Jayanthi as a "Telugu Language Day" on 29-08-2023. At Dr. YSRHU Administrative Office, Dr. T. Janakiram Vice-chancellor along with the university officers paid floral tributes and remembered the great Telugu writer and one of the earliest modern Telugu linguists and social visionaries during the British rule. He championed the cause of using a language comprehensible to the common man (‘Vyavaharika Bhasha’) as opposed to the scholastic language (‘Grandhika Bhasha’) and hence, his birthday being observed and “Telugu Bhasha Dinostavam”.



Inauguration

Dr. T. Janakiram, Hon'ble Vice-chancellor and Dr. L. Naram Naidu, Director of Research visited HRS - V.R. Gudem and inaugurated “Steam Distillation Unit” of AICRP- MAP&B scheme. Vice-chancellor highlighted the importance of steam distillation unit for processing of various medicinal & aromatic plants. Also, suggested to take up research work with M.Sc students for standardization of oil quantity.



Dr.YSRHU, KVK, VRGudem conducted the three-day training program on Dry Flower Technology and value addition in flowers to the selected resource persons of Mission for the Elimination of Poverty in Municipal Areas (MEPMA) project in Dhone mandal of Nandyal district organized by Smt. Sumithra Rajesh Hon'ble member of Board of Management, Dr. YSRHU from 28.08.2023 to 30.08.2023. Dr. T. Janakiram, Hon'ble Vice-Chancellor, Dr.YSRHU was the Chief Guest for the training programme. Dr. B. Srinivasulu, Registrar, Dr.E.Karuna Sree, Director of Extension co-ordinated the programme. Dr. T. Suseela, Professor, COH, VRGudem and Dr. K. Venkata Satish, Scientist, KVK, VRGudem were the resource persons and taught various multifaceted utility of flowers and the intricate techniques involved in dry flower preparation and product development. Dr. T. Janakiram, Vice-Chancellor distributed certificates to the participants and appreciated the enthusiasm of both the organizers and participants.



Dr. YSRHU-KVK, Venkataramannagudem organized a three days "Inter Institutional exposure visit cum skill training programme in nutmeg cultivation and propagation" from August 23rd to August 25th, 2023 at Kozhikode, Kerala, under the guidance of ICAR-IISR and KVK, Calicut. Dr. E. Karuna Sree, Director of Extension, led the team along with Dr. K. Venkata Satish, scientist -KVK, Venkataramannagudem. Four dedicated farmers, including two professional grafters, from East and West Godavari Districts, joined this caravan of enlightenment. They visited the ICAR-IISR, KVK, Peruvannamuzhi and the progressive farmers' fields of Kozhikode district, Kerala, to learn about Nutmeg production and propagation and also skill in grafting and budding techniques.



Education

On 18.08.23, 23rd Board of faculty for UG & PG studies meeting was virtually organized by Dean of Horticulture and Dean of PG studies respectively.

On 21.08.2023, Dean PG Studies, Dr.YSRHU, VRGudem virtually organized meeting on nomenclature in post graduate plant protection degrees conferred from Dr.YSRHU- Accreditation-Admissions 2023-24.

30th Academic council meeting of DrYSRHU was conducted in virtual mode on 28.8.2023.

HORTICET - 2023-24 Entrance Examination

HORTICET -2023 entrance examination for admission into B.Sc. (Hons.) Horticulture course for Horticulture Polytechnic students was conducted on 22-08-2023 at Dr.YSRHU-College of Horticulture, VR Gudem and Anatharajupeta.



Anti-ragging week (12-08-2023 to 18-08-2023)

In line with the University's directives, the anti-ragging week spanning from August 12th to August 18th, 2023, was conducted at all the colleges of Horticulture under Dr. YSRHU. The observance of the anti-ragging week effectively promoted awareness, attitude transformation, reporting practices, and legal consciousness, collectively enhancing the campus environment's well-being. At COH, VRgudem Chief Guest Sri K Prakash Babu, Senior Civil Judge and R.S.S.V. Umeswara Rao, Advocate, Session court, Tadepalligudem, Dr DR Salomi Suneetha, Dean of Student Affairs and Associate Dean (i/c) have addressed the students regarding various act-rules, case studies and the punishments for involving in ragging.



Dr. K. Arunodhayam, Assistant Professor, Plant Pathology, CoH, Anantarajupeta, presented project proposal "Augmentation of native edible termitophilous fungi for enhancing sustainable livelihood of chenchu tribes and fungal biodiversity conservation in Nandyal district of Andhra Pradesh on 22.08.2023 at Assam Downtown University, Guwahati.

NSS activities

Dr.Ch. Ruth, Associate Dean i/c, Dr. Nischala, Asst. Professor, Entomology & NSS program officer, Dr. K.Swarajya Lakshmi, Prof (Horticulture) participated in NSS activity along with NSS volunteers. Cleaning was done along the roadside in the College premises. 60 NSS volunteers participated in the cleaning activity on 26-08-2023.



On 31.08.2023, RTA officials conducted road safety awareness programme at COH, Chinalataripi. Dr. S.S. Vijaya Padma, Associate Dean, all the students, Teaching and Non- Teaching staff attended the programme and took road safety pledge.

HPT, Kalikiri staff conducted awareness campaign on Health and Hygiene at HPT, Kalikiri on 24-08-2023.

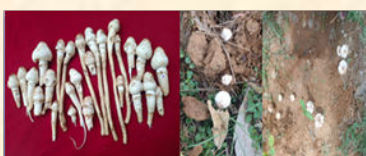


HPT, Kalikiri staff distributed de-worming tablets to NSS volunteers, HPT, Kalikiri on 25-08-2023.

HPT, Kalikiri staff conducted On Farm Demonstration (OFD) on preparation and evaluation of whey protein to the NSS Volunteers at HPT, Kalikiri on 31-08-2023 by Smt. Jyothi, SMS (Home Science), KVK, Kalikiri.



Research



Collected and preserved native edible termitophilous fungi at Dept. of Plant Pathology, on 28-08-2023.

HRS, Kovvur: Potato ARC technology: For standardizing the “Potato ARC technology” virus indexed cultures of Kufri Kavery, Kufri Lima and Kufri Himalini were received from Dr.M.Paratpara Rao, Sr. Scientist (GPBR), Dr.YSRHU-COH, VR.Gudem on 15th August, 2023. From these cultures, single nodes were separated and transferred to new culture media for further multiplication of disease free potato nucleus plant material multiplication. All the cultures were established without any microbial contamination and recorded 100% regeneration of shoots from *in vitro* axillary buds.



Virus indexed potato cv.K.Kavery *in vitro* culture



Single nodes cultured on MS media



Regenerated shoots from axillary buds

Extension

On 22.08.2023 one-day training program on scientific management of poultry by Dr. A. Devivara-prasad Reddy, scientist (Fisheries) and incharge of animal husbandry at KVK, VR Gudem and explained about the rearing practices of improved poultry breeds for nutritional security among the tribal families and distributed the poultry birds under ARYA and DATSP programmes.



Dr.YSRHU-HRS, Kovvur conducted a training programme on “Value addition of tuber crops” at Pasivedala village on 23rd August, 2023 under ICAR-AICRP on Tuber crops.

HPT, Kalikiri conducted training on preparation and application of Bordeaux paste and 1% Bordeaux mixture in orchard crops to the farmers at RBK, Gundluru on 24-08-2023.



On 24-08-2023 Dr.B. Vijayasree, Scientist (Home Science), Dr. YSRHU-KVK, Periyavaram, conducted on campus training programme on “Establishment of Nutri-gardens for ensuring nutritional security” and supplied vegetable seed kits to the Nadu- Nedu schools teachers, Anganwadi school teachers, APSP Betalian, Vallivedu Police staff.

On 16.08.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) conducted training programme on “Livestock health management” at Jangalpalle village of Venkatagiri Mandal. Dr. Swamy Babu, AD (AH), Venkatagiri enlightened farmers on feed and disease management practices to be followed during rainy season in cattle and buffaloes.



On 23.08.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) conducted training programme on “Scientific rearing of backyard poultry” at KVK Periyavaram. Dr.Kishore Kumar, VAS (AH), Paravolu enlightened farmers on feed management, disease management and precautionary measures to be followed while rearing poultry chicks upto egg laying. Later distributed Rajashri poultry chicks to the beneficiaries of SC Sub Plan and also distributed pamphlets on scientific rearing of Rajashri Poultry chicks to the farmers.



On 22.08.2023, KVK, Vonipenta scientists conducted training programme e-NAM and its importance to farmers and explained on the role of e-NAM, functioning, marketing and trading through e-NAM and how to get better marketing opportunities to sell their produce through online competitive and transparent price discovery system and online payment facilities available and its importance.

On 29.08.2023, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted a training programme on ‘Cultivation Practices in Onion’ at Madirepalli village, Duvvur Mandal.



On 29.08.2023, Dr. S. Lavanya, Research Associate (Livestock production) from Krishi Vigyan Kendra, Vonipenta conducted one day training programme on feeding and management measures to be taken to reduce the prevailing infertility problem in milch animals at Madirepalli village of Duvvur mandal. All the scientists of KVK, Vonipenta participated in the programme.

Training Programmes Participated



Dr.Srinivasa Reddy, Senior Scientist (Ento), CRS, Tirupati attended farmers training programme as resource person on 19.08.2023 at Surabhi and Chakrayapeta mandals organized by Department of Horticulture, Chittoor division on care of “Mango orchards after harvest”.

Dr. D. Srinivas Reddy, Senior Scientist (Ento) and Dr. M.Kavitha, Senior Scientist (PP), CRS, Tirupati attended farmers training programme as resource person and delivered lectures on ‘Integrated Pest & Disease Management on Acid lime’ at Podalakur on 22/08/2023 organized by Department of Horticulture, Nellore Division.



On 28.08.2023, Smt. I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram attended as resource person on training to the farmers and farm women of Dakkili village of Dakkili mandal regarding management of Acidlime in *Kharif* season.

On 31.08.2023 Dr. S. Firoz Hussain, Scientist (Hort.), KVK, Vonipenta attended training programme, as a resource person to the water shed farmers on agricultural technology at Veerapunayanapalli village. In this programme scientist explained to the farmers on cultivation practices in acid lime, sweet orange and Banana. 60 farmers participated in the meeting.



HRD training

Dr. T. V. Surendranatha Reddy, Assistant Professor of English, CoH, Anantharajupeta attended a six days training programme conducted by UGC (HRDC) on Indian Knowledge System at University of Madras, Chennai during 21-08-2023 to 26-08-2023.

Dr.Y.Kavya, Scientist (Microbiology) attended webinar on Best Practices for SPE method development and improving recoveries organized by e-learning phenomenon, Hyderabad on 23-8-2023.

Mrs. J Divya, Asst Prof (Pathology) attended six days short term course on Indian Knowledge Systems (IKS) from 21.08.2023 to 26.08.2023 organized by UGC-Human Resource Development Centre, University of Madras at Chennai.



Dr.Radhika Ramya, Scientist (GPBR) attended webinar on Intellectual Property Rights (IPR): Patents, Designs, Trademarks, GI and Copyrights on 26-08-2023 organized by Bioingene.com.

Agricultural Drone Project



On 24.08.2023, scientists of Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem, organized the spraying of pesticides on paddy by agricultural drone as part of demonstrations in ADP (Agricultural Drone Project) in the Jagganapet Village, Tadepalligudem Mandal.

On 30.08.2023 Sri G.ShaliRaju, Scientist (Entomology) Dr.YSRHU – KVK, V.R.Gudem conducted demonstration on spraying of agro chemicals (Cartap hydrochloride, Validamycin and Plantomycin) by using agricultural drones in Paddy at Ananthapalli village as a part of Agriculture Drone Project.



International Year of Millets, 2023



On 18.08.2023 Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem attended the inauguration ceremony of "Millet Mantra" at Tadepalligudem, a unique outlet by the Entrepreneur trained by KVK, Venkataramannagudem as part of International

Year of Millets-2023 and to encourage the millet consumption by including millets in daily diet.

On 22.08.2023, as part of events in the International year of millets-2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem organized an exposure visit to the farmers from tribal areas of Eluru district and explained the importance of millets cultivation. Also, to encourage the cultivation of millets, distributed the pearl millet seeds to the farmers.



Natural Farming



Dr. B.Vijayasree, Scientist (Home Science), Dr. YSRHU-KVK, Nellore 2 (Periyavaram) established demo unit of nutrigarden by adopting Natural farming methods of cultivation at instructional farm of KVK, Periyavaram in the month of July and on 30-08-2023 coordinated the activity of harvesting of organic leafy vegetables from Nutrigarden

and sale to the staff and farm women.

Swatchta Abhiyan

On 18.08.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Sri G. Shali Raju, Scientist (Entomology) and Dr K Venkata Satish, Scientist (Horticulture), Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem conducted Swatchta Abhiyan activities in the premises of ZP High School, Telikicherla. RHWEP students of KVK, school students and teachers of ZPHS were explained about village sanitation and keeping the school premises clean for healthy environment.

Smt. I.Rajeevana, Scientist (Soil Science), KVK - Periyavaram conducted Parthenium Awareness Week from 16.08.2023 to 22.08.2023 at various institutes, villages and KVK area. As a part of programme, removed parthenium weeds at KVK farm and destroyed. At school level, created awareness to students on parthenium eradication. At field level, removed parthenium weeds on bunds of Acid lime field.



On 21.08.2023, scientists of KVK, Pandirimamidi conducted Swachh Bharat Abhiyan programme on eradication of Parthenium weeds at I.Polavaram MPP School.

Dr.YSRHU - Krishi Vigyan Kendra, Pandirimamidi conducted 'Parthenium Awareness Week' from 16th to 22nd August, 2023. As a part of the programme, parthenium weeds were removed and destroyed at surroundings of KVK institutional farm and also created awareness on ill effects of Parthenium on health of animals and humans at Grama Sachivalayam in I.Polavaram.



From 16-08-2023 to 22-8-2023, Scientists of KVK, Vonipenta conducted parthenium eradication week at Pappanapalli village and KVK farm. As a part of this programme Scientists visited the primary school of Pappanapalli village and explained the harmful effects caused by this weed and removed the Parthenium weed around the premises of school. Staff of KVK removed parthenium weed in mango orchard at KVK farm. Students from Kadiri Babu Rao college of Horticulture visited KVK, Vonipenta as a part of exposure visit and participated in Parthenium eradication programme and removed parthenium at KVK farm.

VC to Village Programme:

Dr. V. Govardhan Rao, Scientist (Plant Pathology) and Dr. V. Anoosha, Scientist (Entomology), Dr.YSRHU- HRS, Ambajipeta conducted diagnostic field survey in brinjal fields infested with shoot and fruit borer and root wilt disease and recommended the integrated pest and disease management measures under VC to Village programme in the adopted village Vanapalli, Kothapeta mandal, Dr.BR Ambedkar Konaseema District.



Scientists of Dr.YSRHU-HRS, Kovvur conducted field diagnostic survey in adopted village under VC to village programme on 30.8.2023 and identified Sigatoka disease along with potassium deficiency in Banana cv. Tella Chakkerakeli and created awareness on fertilizer application in Grand Naine tissue culture plants.

On 19-08-2023, Dr. K.Venkata Subbaiah, Scientist (Horticulture) and Sri G. Shaliraju, Scientist (Entomology) conducted a diagnostic field visit in okra field in Narayanapuram village of Dwaraka Tirumala mandal as a part of VC to Village programme and observed YVMV, downy mildew and powdery mildew, suggested suitable remedial measures.



Scientists of Dr.YSRHU – KVK, Venkataramannagudem conducted Parthenium Awareness Week from 16.08.2023 to 22.08.2023 in KVK adopted villages and created awareness about health affects of parthenium and management measures of parthenium to the farmers and school students of Telikicherla, Prakashraopalem and Narayanapuram villages. The programme was co-ordinated by Sri G.ShaliRaju, Scientist (Entomology), Dr.K.Venkata Subbaih, Scientist (Horticulture), Dr.K.Venkata Satish, Scientist (Horticulture) and Dr.M.Raghavendra Reddy, Scientist (Soil Science).

Scientists of HRS, VR Gudem conducted VC to Village program at Z.P. High school, Kadiyadda on 26-8-2023. Students of X class along with Head Master and other teaching staff actively participated in the program. The scientists explained about the grafting techniques importance of nutritional management in fruits and distributed the plant material and planted in the school premises.



Dr.Bhavani, TA, HPT, Nuzvid along with students, demonstrated Kitchen/ Nutri Gardens layout and sowing at Mittagudem. Vegetable seeds were distributed to Self Help Women near demonstration plot.

On 19.08.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Sri G. ShaliRaju, Scientist (Entomology) and Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. YSRHU - KVK, Venkataramannagudem conducted group discussion with the farmers of adopted village Narayanapuram. Dr. M. Raghavendra Reddy, Scientist (SS&AC) created awareness to the farmers on usage and application of agricultural drones in spraying of agrochemicals on various crops.



Dr.YSRHU - HPT, Nuzvid conducted **Student-Farmer-Teacher interaction** at adopted village, Mittagudem, on 'Production, protection and marketing constrains of Mango'. Dr. P. Vijaya lakshmi, Mrs. G. Padmaja and Dr. Kanchana explained the nano fertilizers application and pest and disease management to get high quality mango fruits.

On 22.08.2023, Dr. N. B. V. Chalapathi Rao, Principal Scientist & Head, Dr.YSRHU- HRS, Peddapeta conducted VC to village program at Palavalasa village in Srikakulam district and created awareness about various bio control based management practices which can be adopted in vegetable crops.



Dr. G. Ramanandam, PS & Head, Dr. K. Mamatha, PS and Dr. Ch.S.Kishore Kumar Senior Scientist, proceeded to Pasivedala village under VC to Village programme and interacted with teachers and students and briefed about the importance of Horticultural crops in maintaining human health and kitchen gardening.

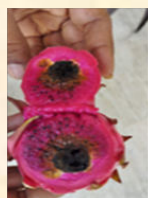


On 31.8.2023, Scientists of HRS, Lam, visited jasmine and rose fields, suggested control measures against bud worm and twig blight, conducted method demonstration on enrichment of FYM with bio control agents in jasmine fields against wilt problem and organized awareness programme on importance of fruits and vegetables in diet to the school children of Upper Primary School at adopted village House Ganesh, Phirangipuram mandal, Guntur district.

Dr.YSRHU - HPT, Kalikiri organized Clan and Green program at adopted village Meetgudem. Second year students cleaned the premises of Anganwad centre and planted the saplings (No.20) on 30.08.2023.



Diagnostic Visits



Dr. C. Madhumathi, Principal Scientist (Hort.), and Dr. E. K. Naik, Scientist (Hort.), CRS – Petlur, conducted diagnostic field visit to the dragon fruit, acid lime, custard apple and moringa fields on 22/08/2023 at Vajjalavaripalli village of Dakkali mandal and noticed the Psylla incidence in acid lime, ants problem in dragon fruit, flowering initiation in custard apple and suggested control measures.

Smt. T.Vijaya Lakshmi, Senior Scientist (Path), Dr. R.Naga Lakshmi, Senior Scientist (Hort), Dr. A.Rajani, Senior Scientist (Hort), Dr.Radhika Ramya, Scientist (GPBR), HRS, Lam, visited the fields of rose, jasmine on 31-8-2023 and suggested control measures against bud worm and eriophyid mite in jasmine.



On 16-08-2023, Dr.P.Lalitha Kameswari, Principal Scientist & Head, and Dr.T.Kranthi Kumar, Scientist, KVK, Pandirimamidi conducted diagnostic field visit to vegetable growing farmers at Jagarampalli village of Rampachodavaram mandal and identified Downy mildew and Yellow mosaic disease in ridge gourd, Hadda beetle damage in brinjal and wilt symptoms in cowpea and suggested control measures.

On 24.08.2023 Sri G.ShaliRaju, Scientist (Entomology) Dr.YSRHU – KVK, V.R.Gudem conducted diagnostic visit to paddy fields in Jaggannapeta village and observed yellow stem borer and leaf folder damage and suggested suitable remedial measures.



On 29.08.2023, as a part of diagnostic field visit, Dr. D. Thirupal, Scientist, KVK, Periyavaram visited the cluster bean & bitter melon crops at Kampalem village, Venkatagiri (M), Tirupati District. Identified the Serpentine leaf miner as a major problem and suggested control measures.

On 24-08-2023, Dr. T.Kranthi Kumar, Scientist and Dr. N.Chiranjeevi, Scientist, KVK, Pandirimamidi conducted diagnostic field visit to colacasia and turmeric fields at Choppakonda village of Devipatnam mandal of KVK, Pandirimamidi operational area and identified Aphids and Beetle infestation in colacasia, Leaf spot (*Colletotrichum*.) in turmeric and suggested control measures.



On 19.08.2023, Dr. S.Firoz Hussain, Scientist, Krishi Vigyan Kendra, Vonipenta conducted a diagnostic field to pomegranate orchard and observed Anthracnose on leaves and fruits and suggested control measures.

Dr. E. K. Naik, Scientist (Hort.), CRS-Petlur, visited the newly planted sweet orange field and recommend optimum dose of fertilizers and other management practices after transplanting.

As a part of ICAR –AICRP Technical programme, Dr. D.Srinivasa Reddy, Senior Scientist (Ento.) and Dr.M.Kavitha, Senior Scientist (PP), CRS, Tirupati surveyed acid lime orchards in Dakkali, Venkatagiri, Rapur, Sydapuram, Podalakur and Gudur mandals of Tirupati and SPSR Nellore districts of AP on 21.08.2023 and 22.08.2023.



Dr.YSRHU - HPT, Kalikiri faculty conducted field visit to Drumstick, Sweet Orange and Citrus orchards at Gundluru on 24.08.2023.

On 22.08.2023, , Dr. N.B.V.Chalapathi Rao, Principal Scientist & Head, Dr.YSRHU- HRS, Peddapeta visited interior Tribal village Lokothavalasa village in Srikakulam district to study the feasibility of implementing TSP program under AICRP on biological control.



On 24.08.2023, Sri K.Veeranjaneyulu, Scientist (Fisheries), KVK, Pandirimamidi visited I.Polavaram, China Beerampally and Peda Beerampally fish ponds for selection of beneficiaries for Implementation of OFT and FLDs under Fisheries action plan 2023-24.

On 29.08.2023. Sri K.Veeranjaneyulu, Scientist and Dr. R.Praveen Babu, Scientist KVK, Pandirimamidi, visited Gogumilli, Bandhapally and Tamarapally villages for selection of beneficiaries for Implementation of OFT and FLDs under Fisheries action plan 2023-24.

Tribal Sub Plan Projects:

Dr.YSRHU-HRS, Kovvur organized one day training programme on scientific cultivation of tissue culture banana to tribal farmers in the agency area of Kindra colony (V), Rajavommangi (M), Alluri Seetaramaraju District under Tribal sub plan of ICAR-AICRP on Fruits and provided tissue culture planting material and demonstrated method of planting. Also conducted field diagnostic visit to banana fields and identified Sigatoka leaf spot, BBTV & Potassium deficiency and suggested control measures.



On 17.08.2023, Scientists of Krishi Vigyan Kendra, Pandirimamidi, distributed Tarpaulin sheets to the tribal beneficiary annato farmers of Gundrathi, Bandha, Gumpenagandi villages of Maredumilli mandal of Rampachodavaram division under Tribal Sub-Plan-2023.



SC Sub Plan Programme of ICAR AICRP on Tuber crops



Dr K Mamatha, PS, Dr.YSRHU-HRS, Kovvur visited Ainavillilanka, Madupalli and Sanapallilanka of Ainavilli mandal, Dr. BR Ambedkar Konaseema district and visited elephant foot yam fields under SCSP programme wherein 60 tonnes of elephant foot yam planting material and other necessary inputs were distributed to 30 farmers.

Dr. M. Janaki, Scientist & Head, HRS, Peddapuram, distributed the inputs (Urea, SSP, MOP, M-45 and Profenophos) and sickles to SC farmers enough for 18 acres of cassava on 22.08.2023 under SCSP, AICRP on Tuber Crops.



On Farm Trials



On 17.08.2023, Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr.Venkata Satish Kuchi, Scientist (Horticulture), KVK, VR Gudem, distributed okra var. Kashi Lalima, seed to farmers as a part of On Farm Trial (OFT) "Assessment of okra var. Kashi Lalima" for the year 2023-24.

On 25.08.2023, as a part of On Farm Trial (OFT) on "Assessment of Marigold varieties (Arka Abhi & Arka Shubha)" Dr. D. Thirupal, Scientist (Horticulture) and Dr. B. Govinda Rajulu, Principal Scientist (PP) & Head, KVK, Periyavaram distributed marigold seedlings to the beneficiary farmers at KVK, Periyavaram.



On 23.08.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology) and Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi conducted follow-up visits to Ragi fields at Kutakarayi village, Devipatnam mandal as a part of OFT on "Assessment of biofortified ragi varieties Indravathi and Vegavathi" in tribal area of ASR district under TSP-2023 and conducted method demonstration on ragi seedling tips clipping to avoid the stem borer infestation and method demonstration of seedling root dip in bheejamrutha for 15 min before transplanting.



On 23.08.2023, as a part of FLD on "Demonstration of Colocasia variety KCS-3" Dr. D. Thirupal, Scientist, KVK, Periyavaram conducted a follow-up visit to Colocasia beneficiary farmer's fields at Kurjagunta (V), Venkatagiri(M), Tirupathi District. Created awareness on fertilizer management as well as pest and disease management in Colocasia.

Front Line Demonstration



On 23.08.2023, as a part of FLD on "Demonstration of Colocasia variety KCS-3" Dr. D. Thirupal, Scientist, KVK, Periyavaram conducted a follow-up visit to Colocasia beneficiary farmer's fields at Kurjagunta (V), Venkatagiri(M), Tirupathi District. Created awareness on fertilizer management as well as pest and disease management in Colocasia.

On 25.08.2023 and 30.08.2023, Dr.P.Nagarjuna Reddy, Scientist In-charge (Vety. Science), KVK, Periyavaram, distributed critical input Sheepmin mineral mixture under FLD on "Demonstration of supplementing feed of growing lambs with mineral mixture" to the beneficiaries of Chapalapalli and Jangal-palle villages of Dakkali and Venkatagiri mandals, respectively. Explained about the importance of Mineral mixture for increasing body weight, reproduction and disease resistance in growing lambs.



On 23.08.2023, Smt. I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram, conducted field visit to banana fields as a part of technical programme. Conducted diagnostic field visit to the FLD on 'Banana Bunch Management' and suggested spraying of nutrient mixture followed by covering with bunch covers to improve the fruit quality in banana.



On 28.08.2023 Dr. S.Adarsha, Scientist (Entomology) and Dr.T.Kranti Kumar Scientist (Horticulture), KVK, Pandirimamidi initiated FLD on "Demonstration of YVMV resistant bhendi hybrid CoBh4" by distributing seed at Irlapalli village of Rampachodavaram mandal.

On 17.08.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta initiated FLD on "Regulation of flowering in Acid Lime for increasing the yield" at Kudali Village in Khajipet Mandal. As a part of FLD, the scientist provided gibberellic acid to the farmer and supervised the spraying of gibberellic acid to the plants.

On 17.08.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted a follow up visit to FLD "Demonstration on regulation of flowering in pomegranate for increasing the yield and quality" at Rani Bavi village in Khajipeta Mandal. The scientist observed profuse flowering and fruit set after spraying of Nitrobenzene @ 2.0 ml per litre and Cycocel @ 2.0 ml per litre.



On 28-08-2023, Dr. M. Harsitha, Scientist (SSAC), KVK, Vonipenta, initiated FLD on Soil test based fertilizer application in Turmeric at Adhireddypalli village of Mydukur mandal. As a part of this, scientist explained the farmers regarding usage of fertilizers based on the soil test results and provided critical inputs to the farmer.

On 29.08.2023, Krishi Vigyan Kendra, Vonipenta scientists initiated FLD on "Feed supplementation of Bypass fat in dairy animals" at Madirepalli village of Duvvur mandal. Provided 6 kg of Bypass fat to each beneficiary. Scientist explained the method of feeding and precautions to be taken.



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 August, 2023 (3-4 PM).

Date	Topics	Scientist Name
16.08.2023	ఇ-మార్కెటింగ్ మరియు ఇంటర్నెట్ ఆధారిత వ్యవసాయ సేవలు	Dr.R.Praveen Babu, Scientist, KVK, Pandirimamidi
17.08.2023	ఉద్యాన పంటల్లో జీవ కంచెల ప్రాముఖ్యత	Dr. D.Sreedhar, Sr. Scientist, HRS, Anantharajupeta
18.08.2023	మిరియాల సాగు - మెళకువలు	Dr.V.Siva Kumar, Scientist & Head, HRS, Chintapalli

19.08.2023	చేపలు మరియు రొయ్యల పెంపకంలో మేలైన యాజమాన్య పద్ధతులు	Dr.A.Devivaraprasad Reddy, Scien- tist, KVK, VR Gudem
21.08.2023	అరటిని ఆశించు తెగుళ్ల యాజమాన్యం	Dr.M. Sunil Kumar, Scientist, BRS, Pulivendula
22.08.2023	పండ్ల తోటలలో భూసార పరీక్ష ఆధారిత పోషక యాజమాన్యం	Smt. I. Rajeevana, Scientist, KVK, Periyavaram
23.08.2023	మామిడిలో కొత్త చిగుర్లు వచ్చిన తర్వాత చేపట్టవలసిన సస్యరక్షణ	Dr.G.Sravanthi, Scientist, MRS, Nuz- vid
24.08.2023	బెండ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr. A. Rajani, Sr. Senior, HRS, Lam
25.08.2023	పెరటి తోటల పెంపకం - మెళకువలు	Dr.B.S.Kanthi Sri, Scientist, KVK, Vonipenta
26.08.2023	మిరప పంట తొలిదశలో ఆశించు పురుగులు మరియు నివారణ చర్యలు	Dr.K.Sireesha, Sr. Scientist, HRS, Lam
28.08.2023	వర్షాకాలంలో అరటిని ఆశించే తెగుళ్ళ నివారణ	Dr.A.Snehalatha Rani, Sr. Scientist, HRS, Kovvur
29.08.2023	వ్యవసాయ మరియు ఉద్యాన పంటల లో వివిధ మొబైల్ అప్లికేషన్ల వినియోగం	Dr.N.Srividya Rani, Scientist, KVK, Vonipenta
30.08.2023	ఉల్లిలో ఎరువులు, కలుపు మరియు నీటి యాజమాన్యం	Dr. M. Tagor Naik, Sr. Scientist, HRS, Mahanandi
31.08.2023	కోకో సాగు లో మెళకువలు	Dr.A.Kireeti, Scientist, HRS, Amba- jipeta

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 Second fortnight, 2023.

Date	Topics	Scientist Name
18.08.2023	పసుపు సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.B.Tanuja Priya Sr. Scientist
21.08.2023	చౌడు నేలల్లో పండించు ఉద్యాన పంటలు - తీసుకోవలసిన జాగ్రత్తలు	Dr. M. Raghavendra Reddy Scientist KVK, VR Gudem
25.08.2023	చిలకడదుంప పంటలో మేలైన యాజమాన్య పద్ధతులు	Dr.M.Janaki Scientist
28.08.2023	మునగ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.M. Mutyala Naidu Principal Scientist & Head

General

Zonal Workshop of KVKs under Zone X:

From 17.08.2023 to 19.08.2023, Director of Extension, Dr.YSRHU along with the 4 KVK Heads, attended the Annual Zonal Workshop meeting at TNAU, Coimbatore. Dr.Shaik N.Meera, Director, ATARI, Zone-X, Vice-Chancellors - Dr.YSRHU, TNAU, SKLSHU, Director of Extension from Dr.YSRHU, TNAU, SKLSHU, ANGRAU, SVVU and other dignitaries attended the programme. All the Heads of KVKs presented briefly the work done for the year 2022-23.



Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), HRS, Kovvur participated as one of the member in Board of Studies meeting of the Department of biotechnology, Government College (Autonomous), Rajahmundry through virtual mode on 30.08.2023.

Dr.R.Naga Laga lakshmi, Senior Scientist (Hort), HRS, Lam attended AAB meeting at Guntur Collectorate on 18-8-2023.

Dr. K. Giridhar, Principal Scientist (H), HRS, Lam attended APG&BC Quality Evaluation of greenary and avenue plantation works under taken at Honourable Chief Minister's office, Tenali Municipal Corporation and Guntur Municipal Corporation.

Smt.T.Vijaya Lakshmi, Senior Scientist (Path), HRS, Lam attended T & V meeting of Bapatla district on 17-8-2023 through online mode.

Smt.T.Vijaya Lakshmi, Senior Scientist (Path), HRS, Lam attended T & V meeting of Guntur and Palnadu districts jointly organized by ANGRAU, Dept of Agri.& ATMA at RARS, Lam on 26-8-2023.

On 18-08-2023, Dr. M. Harsitha, Scientist (SSAC) & Dr. B.S. Kanthi Sri, scientist, KVK-Vonipenta, attended the review meeting organized by FPO, Vonipenta regarding sustainability in natural farming at Vonipenta village of Mydukur mandal.



Visits



On 18.08.2023, Dr. E. Karuna Sree, Director of Extension – Dr.YSRHU, visited Department of Agricultural Extension and Rural Sociology, TNAU, Coimbatore and discussed about Dr.YSRHU's Extension activities and enquired about the latest digital extension techniques being adopted at TNAU, Coimbatore.

On 19.08.2023, Dr. E. Karuna Sree, Director of Extension – Dr.YSRHU, visited Water Technology Centre and discussed about SOP of drone application in horticultural crops with Dr. Palani Vel, the Director.



On 31.08.2023, Dr. L. Naram Naidu, Director of Research, Dr YSR Horticultural University, visited HRS, Anantharajupeta and reviewed progress of Tissue culture laboratory works followed by visit to the farm and gave suggestions to the scientific staff for the implementation of technical programme.

A batch of 60 students along with Headmistress of Chinmaya Hari Hara Vidyalaya, Ellayapalli, Obulavaripalli (M), Annamayya Dist., visited, Dr. YSRHU-COH, Anantharajupeta on 23-08-2023 and visited the units, learnt about the technologies present in the campus.



On 23.8.2023, the students of Chinmaya Hari Hara Vidyalaya, Anantharajupeta visited Dr YSRHU- HRS, Anantharajupeta as a part of exposure visit. During the visit, Dr. K.T. Venkata Ramana, Principal Scientist (Hort) & Head and scientific staff of Dr YSRHU- HRS, Anantharajupeta explained about the importance of horticulture and the activities taken up for the benefit of farming community.

Second year B.Sc(Ag) students of College of Agriculture, Bapatla visited HRS, Lam on 17.8.2023 as an exposure visit. Dr.R.Naga Laga lakshmi, Senior Scientist (Hort) delivered lecture on ongoing activities of HRS, Lam and chilli research



Second year B.Sc(Ag) students of College of Agriculture, Bapatla visited HRS, Lam on 21.8.2023 as an exposure visit. Dr.A.Rajani, Senior Scientist (Hort) delivered lecture on ongoing activities of HRS, Lam and explained plant protection aspects of chilli and turmeric

On 22-08-2023, students along with Assistant professors from Kadiri Babu Rao College of Horticulture visited KVK, Vonipenta as a part of exposure visit, interacted with the scientists and visited the units in the KVK premises.



Exposure Visit

An exposure visits to Galla Foods Pvt Ltd, Thenepalli (v), Puthalpattu (M), Chittoor Dist. was organized to the 3rd year CD batch, MSc and PhD students of department of Postharvest management of CoH, AR Peta, on 31.08.2023 and learnt about the equipments, production procedure of different types of fruit based beverages, process of making mango, guava, tomato pulp, aseptic canning, quality assurance of various processed products, storage and marketing etc.



On 26.08.23, Third year B.Sc. (Hons.) Horticulture students, CoH, Chinlataripa were taken to Durgampalli central forest nursery, Udayagiri, SPSR Nellore district. Later visited Mekapati Gowtham Reddy Agriculture College and interacted with staff and students and visited Entomology, Pathology, Soil Science labs, Horticulture nursery etc. Later visited vegetable nursery of a farmer growing under shade net.

On 24.08.23, CoH- VR Gudem, 3rd year B.Sc.(Hons.) Horticulture students visited the State Seed Testing Laboratory along with course incharge Dr. K. Usha Kumari Asst.prof (Hort.), as part of practical exposure visit and learnt about seed quality testing (Purity analysis, germination test etc), coding procedure for testing seed fertilizer and pesticide samples and marketing. Students were enlightened on seed act, seed legislation and seed quality control by the Agricultural officers Sri Rajendra Prasad and Smt. Parvati.



On 28.08.23, CoH- VR Gudem, 3rd year B.Sc. (Hons.) Horticulture students visited Charoen Pokhphand (CP) Seed processing plant, a Thailand based multinational company located at Mirjapur Nuziveedu, along with course in-charges Dr. K. Usha Kumari Asst.Prof (Hort.) and Dr.R.V.Sujatha Associate professor (Economics) as a part of practical exposure on seed processing, packing and marketing.

On 22.08.2023, Sri K.Veeranjeneyulu, Scientist, KVK, Pandirimamidi visited Instructional cum Research Aqua Farm, Bhalabhadrapuram for selection of fish seed for implementation of fisheries action plan for the year 2023-24.



Dr. M. Naveen Kumar, Scientist (Agril.Engg.) & Dr. B. Babu Rao, Scientist (Hort.), PHTRS, VR Gudem, explained about different facilities and equipment available at PHTRS and preparation of different value added products to the Honourable Board Member of Dr.YSRHU, Mrs. Sumitra Rajesh and members of MEPMA NGO

from Dhone, Nandyal on 30.08.2023

TV Programmes

Dr. K.Mamatha, Pr. Scientist (Hort.), HRS, Kovvur, delivered talk on “Kanda, chema mariyu pendalamlo sastriya yajamanya padathulu” for e-tv annadata programme which was broadcasted on 13.08.2023

Dr. K.Mamatha, Pr. Scientist (Hort.), HRS, Kovvur, delivered talk on “Kanda saagulo melakuvalu” for RBK channel in August 2023

Dr. A.Snehalatha Rani, Sr. Scientist (PP), HRS, Kovvu, delivered talk on “Aratilo Sigatoka akumacha tegulu – samagra nivarana” for RBK channel in August 2023.

Dr. A.Snehalatha Rani, Sr. Scientist (PP), HRS, Kovvur, delivered talk on “Varshakalamlo Eumusae (Sigatoka) aakumacha tegulu nivarana” for ETV Annadata programme which was broadcasted on 14.08.2023.

Dr. K.Radha Rani, Principal Scientist (Hort.), MRS, Nuzvid, given talk on “Mamidilo yeruvula yajamanyam mariyu sasya rakshna charyalu” at RBK Channel Gannavaram on 17.8.2023.

Dr. M.Viswanath, Scientist (Hort.), HRS, Kovvur, delivered live talk on “Aratilo melynna rakaala emphika” for RBK channel in August 2023.

Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), HRS, Kovvur, delivered talk on “Banana planting, irrigation and nutrient management” for RBK channel in August 2023.

On 23.08.2023, Dr.K.Sireesha, Senior Scientist (Ento), HRS, Lam, delivered talk on “Mirapa pantalo samagra sasya rakshana” to AIR, Vijayawada.

On 24.08.2023, Dr.C.Venkata Ramana, Senior Scientist (Hort), HRS, Lam, delivered talk on “Mirapa pantalo samagra yajamyam” to DD Saptagiri, Vijayawada.

On 25.08.2023, Dr.K.Sireesha, Senior Scientist (Ento), HRS, Lam, delivered talk on “Flower thrips management in chilli” to RBK channel, Gannavaram.

Awards

Dr. YSRHU-Krishi Vigyan Kendra in Venkataramannagudem achieved remarkable recognition in 2023, showcasing their dedication and excellence in agricultural endeavours. During the Annual Zonal Workshop held at TNAU, Coimbatore, from August 17 to 19, 2023, the KVK received i.e. First place in the ARYA project, secured Second place in Fish stock, Consolation prize in photography and 2nd place in a election of Success story for Annual Report Box item.



Dr.YSRHU - Krishi Vigyan Kendra Pandirimamidi bagged two awards(First place for TSP activities and 3rd place for KVK Success story) during 3 days Annual Zonal Workshop of ATARI Zone X held at TNAU Coimbatore From 17- 19.08.2023.



Publications- Abstracts:

G. Sarada, V.V. Padmaja and K. Lalitha (2023). Organic farming impact on pest activity. Innovations to Transform Agriculture Horticulture and Allied Sectors (ITAHAS- 2023). 4th International Conference, Organized by Indian Society of Agriculture & Horticulture Research Development, (ISAHRD) Chandigarh Malla Reddy University, Hyderabad (MRUH) and Just Agriculture- the Magazine on 21st- 23rd June, 2023 at MRU, Hyderabad, page No. 191.

Karthika, G. Thanuja sivaram, K. M. Yuvaraj, G.Chandra Mohanreddy, & K. Swarajya lakshmi (2023). Postharvest processing and value addition of medicinal plants. Innovations to Transform Agriculture Horticulture and Allied Sectors (ITAHAS- 2023) 4th International Conference. Organized by Indian Society of Agriculture & Horticulture Research Development, (ISAHRD) Chandigarh Malla Reddy University, Hyderabad (MRUH) and Just Agriculture- the Magazine on 21st- 23rd June, 2023 at MRU, Hyderabad, Page No. 305.

P. Syam Sundar Reddy, Syed Sadarunnisa, P. Sudheer Kumar Reddy, Naveen Yadav Bairagani, Subhash Ramadugu(2023). Underexploited Ethnic Cucurbitaceous Vegetable Crops-Sweet Bitter Gourd, Karuvachakka, Karchikai and Chow Chow. Innovations to Transform Agriculture Horticulture and Allied Sectors (ITAHAS- 2023) 4th International Conference. Organized by Indian Society of Agriculture & Horticulture Research Development, (ISAHRD) Chandigarh Malla Reddy University, Hyderabad (MRUH) and Just Agriculture- the Magazine on 21st- 23rd June, 2023 at MRU, Hyderabad, page No. 1.

Ruth Ch, K. Gopal, and K. Swarajyalakshmi. Prevalent Pest and Diseases in Horticultural Crops and Management of Thrips in Onion Crop in Andhra Pradesh(2023) Innovations to Transform Agriculture Horticulture and Allied Sectors (ITAHAS- 2023) 4th International Conference. Organized by Indian Society of Agriculture & Horticulture Research Development, (ISAHRD) Chandigarh Malla Reddy University, Hyderabad (MRUH) and Just Agriculture- the Magazine on 21st- 23rd June, 2023 at MRU, Hyderabad. Page no.189.

V. V. Padmaja, Dr. K. Jyothirmai Madhavi, Ch. Ruth, Y.Sireesha, M. Arunodayam and. K. Gopal (2023). Dwarfing physiology in fruit crops, Innovations to Transform Agriculture Horticulture and Allied Sectors (ITAHAS- 2023) 4th International Conference. Organized by Indian Society of Agriculture & Horticulture Research Development, (ISAHRD) Chandigarh Malla Reddy University, Hyderabad (MRUH) and Just Agriculture- the Magazine on 21st- 23rd June, 2023 at MRU, Hyderabad. Page No. 146.

Y. Kavya, N. Trimurtulu, A.Vijaya Gopal, P. Madhu Vani and N.V.V.S.D. Prasad. (2023). Screening of microbial consortia against sorghum cultivars. Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 25, No. (4) : 2023 : 148-155 (NAAS rating-5).

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