

Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-28 February 2023



Fortnight Focus

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From Vice- Chancellor's Desk

Natural farming or Jaivik Khethi is also known as organic or ecological farming, is a farming approach that emphasizes sustainable and harmonious practices with nature. It aims to minimize the use of synthetic inputs, such as chemical fertilizers and pesticides and instead relies on organic matter and natural resources to enhance soil health, promote biodiversity, and ensure food safety. By adopting the techniques like composting, green manuring, biological pest and disease control etc., natural farming seeks to improve soil fertility, reduce environmental impact, and protect human health. This holistic approach also encourages water conservation, respect for animal welfare, and also preservation of natural habitats.

Dr.YSRHU-KVKs, under the project "Out scaling of Natural farming" allotted by the Indian Council for Agricultural Research (ICAR) through its eleven Agricultural Technology Application Research Institutes (ATARIs) supporting in increasing the area under natural farming by conducting trainings, organising demonstrations and providing critical inputs. In addition to providing inputs and resources, KVKs organizing training sessions on the preparation of organic formulations in natural farming and emphasized importance and role of natural farming in restoring soil health and enhancing soil biodiversity. The ultimate goal is to promote the production of high-quality, pollution-free food while creating a healthier environment. KVKs also distributing kits to farmers for the preparation of bio-control agents, which are essential in promoting natural farming practices. These initiatives aimed to empower farmers to create their own bio-control agents at the farm level, reducing dependency on synthetic pesticides.

Through these initiatives, the KVKs of Dr. YSR Horticultural University in convergence with the department of agriculture and horticulture at their respective districts playing a pivotal role in raising awareness about the benefits of natural farming and equipping farmers with the knowledge and tools essential to adopt sustainable farming practices.

Sow the Seeds of Change: Cultivate a better world through natural farming

Dr T.Janakiram
Vice-Chancellor

The Events

Second year B.Sc. (Hons.) Horticulture students of Dr. YSRHU-CoH, Venkataramannagudem celebrated Fresher's Day with the newly joined first year students of B. Sc. (Hons.) Horticulture on 17-02-2023 under the chairmanship of Dr. DR Salomi Suneetha, Associate Dean (FAC) and DSA. Dr. T. Janakiram, Hon'ble Vice-Chancellor of Dr YSR Horticultural University attended as chief guest of the programme and addressed the students. Dr. A.S. Padmavathamma, Dean of Horticulture, Dr YSRHU, Mrs J Divya. OSA, Teaching staff, Non teaching staff and students from Dr. YSRHU-CoH, Venkataramannagudem participated in the programme.



Dr. YSRHU- KVK, Venkataramannagudem organized ten days "Management Development Programme" for the newly recruited Senior Scientists from Jabalpur, Madhya Pradesh as a part of 2nd phase training organized by the NAARM, Hyderabad attached to the award winning KVK from 16th to 25th February 2023. Dr. E. Karuna Sree, Principal Scientist and Head along with the team of scientists and staff co-ordinated the programme. On 16.02.2023,

Dr. T. Janakiram, Hon'ble Vice-Chancellor, Dr. YSRHU interacted with the trainee participants and focused on Dr. YSRHU technological advancements. Conducted exposure visit and explained different processing techniques and dry flower technology at Processing and Horticultural Skill Training Centre. Participants gained knowledge on dry flower technology, different pack house operations and processing of fruits and vegetables. Arranged field visit to oil palm gardens in Telikicherla village and honeybee rearing in Tirumalampalem village. Later visited IIOPR, Pedavegi and visited oil palm plantation and museum in ICAR-IIOPR, Pedavegi.



Hon'ble Vice-Chancellor Dr. T. Janakiram inaugurated the Hindi Language Club at Dr.YSRHU - CoH, Venkataramannagudem on 23rd February 2023. Dr. K. Umakrishna, Professor (Statistics) organized



the programme under the chairmanship of Dr. D. R. Salomi Suneetha, Dean of Student Affairs, Dr. YSRHU. Dr. A. S. Padmavathamma, Dean of Horticulture, Dr. S. Surya Kumari, Dean of PG studies, Sri. M.V.Mallikharjuna Rao, Estate Officer, Faculty & Students of College of Horticulture, Venkataramannagudem participated in the inaugural program. Dr. T. Janakiram, Hon'ble Vice - Chancellor, Dr. YSRHU addressed the gathering by explaining the importance of Hindi Language Club.



Dr.R.Nagaraju, Principal Scientist (Hort.) & Head & Dr L. Mukunda Lakshmi, Senior Scientist (Horti), Dr.T.Rajasekharam, Senior Scientist (PP), Dr. V.Gopi, Technical Assistant & Sri. Mohan Reddy, AEO participated in 13th National symposium on Fostering Resilient Coastal Agro –Ecosystems at SVVU Auditorium from 22nd -25thFebruary, 2023 organized by Indian Society of Coastal Agricultural Research & ICAR-CSSRI, West Bengal in collaboration

with ANGRAU, Guntur and ICAR-CSSRI, Karnal, Haryana and displayed exhibits and recommended AICRP technologies.

On 22-02-2023, all the constituent institutions under Dr.YSRHU observed the vardhanthi of Sri Uyya-lawada Narasimha Reddy and paid tributes to the first Indian freedom fighter.



Education



RHWEF Students working under Dr. YSRHU-CRS, Tirupati visited Agriculture start-up company, Ventura Agri Tech Private Ltd., Karakambadi Road, Tirupati on 27-02-2023 to know innovations in Agriculture and their products.

On 23.02.2023 Third year B.Sc (Hons.) Horticulture students of Dr. YSRHU-CoH, Chinalataripi were taken to Ripening chambers located at Ongole and Singarayakonda as part of practical class for the course “Processing of Horticultural crops”. The course In-charge Ms. S.M. Sailaja co-ordinated the tour.



ELP students from different modules of Dr.YSRHU-CoH, VR Gudem, participated in START-UP EXPO at NIT, Tadepalligudem and ELP Beekeeping students have been awarded as winners for innovative BCee wax and Honey value added products.

Training camp was organized for the students at COH, VR Gudem in different sports and games for participation in inter university competitions at National Level. A total of 36 students from different colleges under Dr YSRHU participated in XXI All India Agricultural Universities Sports & Games Meet, 2022 at Hisar, Haryana from 17.02.23 to 26.02.23. Hon’ble Vice-chancellor Dr. T. Janakiram flagged off the programme on 17.02.23.





Dr. YSRHU-College of Horticulture, VR Gudem conducted Anti Drug awareness program on 21.02.2023. Chief Guest Dr. T. Janakiram, Hon'ble Vice-chancellor, Dr. YSRHU and other Guests from Special Enforcement Bureau Sri. ATV Ravi Kumar, Addl. SP, Sri. C. Bhargava, Asst. Enforcement Superintendent, Sri. B. Satyanarayana, Inspector of West Godavari District ex-

horted the students to live a life worthy and happy by creating a drug free Andhra Pradesh. An anti drug pledge was taken by the staff and students. Dr. A.S Padmavathamma, Dean of Horticulture, Dr. S.Suryakumari, Dean PG Studies, Dr. D.R.Salomi Suneetha, Dean of Student Affairs, Dr. M.Madhavi, Associate Dean, Dr. N.Emmanuel, Coordinator, other Anti-drug committee members staff and students of Dr. YSRHU-COH, VRGudem participated in the programme.

On 15.02.2023, Clean and Green programme was organized at Adopted village, Sunkollu by Dr. YSRHU-Horticultural Polytechnic, Nuzividu. NSS volunteers and Staff rallied and interacted with villagers and explained about ill effects of improper disposal of household waste in and around residential areas.



On 25.02.2023 NSS volunteers of Dr. YSRHU-HPT, Nuzvidu cleaned the old college building along with Principal and Staff of HPT, Nuzvid as a part of the NSS regular activity.

Research



At Dr.YSRHU-HRS Kovvur, 121 elephant foot yam ploycross seedlings raised from the seed collected during 2021-22 were characterized as per the descriptors and observed wide variation among the lines in yield and other yield attributing characters. Days to senescence ranged from 157 to 223 days. The yield of tuber from each seed varied from 10g to 1020g. The re-emergence of the tubers immediately after senescence was observed in 33.6% (41nos) acces-

sions giving a hope for less dormancy which needs further studies.

Dr.YSRHU- HRS, Lam, scientists organized field day cum training programme on chilli variety LCA-643 on 25-2-2023. Dr. T.Janakiram, Hon'ble Vice-Chancellor attended as chief guest. Director of Research, Dr.L.Naram Naidu, presided over the programme. Director of Extension, Dr.E.Karuna Sree, also attended as Guest of Honour. Public representatives of the village, officers of Department of Horticulture have also attended and given their feedback about the new chilli variety LCA 643 developed by Dr. YSRHU- HRS, LAM under Minikit trials in Jonnalagadda village. Farmers expressed great satisfaction about the performance of the new chilli variety in terms of bearing, pod quality, yield and resistance to various viral diseases. Two **Pamphlets i.e.** varietal characters of LCA 643 & LCA 657 and mirapalo nalla tamara purugu – samagra yajamnyam compiled by the scientists of HRS, LAM, Gun- tur were released and distributed to the farmers.



Extension

Training programmes organized:

Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem conducted a training programme on 22-02-23, to women group from Dommeru and Penakanametta on “Natural farming practices in banana cultivation and vegetable growing in terrace gardening” and explained about preparation of various products under natural farming and their application methods.



On 27-02-2023, KVKs of Dr. YSRHU located at Venkataramannagudem, Pandirimamidi, Periyavaram and Vonipenta conducted Awareness programmes under PM Kisan Samman Nidhi Program. The Heads of Krishi Vigyan Kendras inaugurated the awareness programme and interacted with the participants and presented the importance of the program, and explained about the PM-KISAN Scheme.

After the Farmer Scientist Interaction, the live program was webcasted at KVKs. During the webcast, Honorable PM addressed the citizens about the PM Kisan scheme and amount released under the scheme, number of farmers benefitted by the scheme and also about the various schemes implemented by the government for the welfare of farmers. Honorable PM mentioned, how the government striving hard to farmers economic prospects and stressed about the benefits of natural farming and ill effects of chemical fertilizers, He encouraged farmers to adopt Natural farming practices.



On 27.02.23, Dr YSRHU-HRS, Ambajipeta inaugurated 4 days training programme on “**Hybridization in Coconut**” from 27th February to 2nd March to rural youth in collaboration with Coconut Development Board from 27.02.2023 to 02.03.2023. Dr. G. Ramanandam, Principal Scientist (Hort.) & Head, HRS, Kovvur participated as resource person and gave PPT presentation on varieties and hybrids released by Dr YSRHU and varieties/hybrids released by other institutions in India. Explained in detail about the importance of selection of parents in coconut hybridization programme to the trainees.



Dr. K. Ravindra Kumar, Sr. Scientist (Hort.), Dr.YSRHU- HRS, Kovvur participated as resource person in training programme on 28.02.2023 and delivered lecture on selection of mother palms, selection of parents, pollen collection, processing and hybridization techniques and demonstrated different hybridization techniques to trainees in field.

Training programme attended:



On 20-02-2023, Dr. T. Kranthi Kumar, Scientist (Horticulture), Krishi Vigyan Kendra, Pandirimamidi has attended as resource person and provided lecture on Good management practices in cashew cultivation to the input dealers of DAESI programme of East Godavari District.

Dr. K. Sireesha, Senior Scientist (Entomology) attended farmers training programme as resource person organised by EFFORT NGO in collaboration with Ujwala farmers producer company Ltd. FPO promoted by the NGO at Agnigundala village, Ipuru Mandal, Palnadu District and delivered lecture on IPM and Good agricultural practices in chilli crop on 21-2-2023.



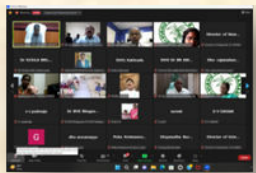
On 25.02.2023, Dr.YSRHU-HRS, Ambajipeta conducted one day Horticulture Fair on Cocoa for the farmers under the sponsorship of Directorate of Cashew and Coconut Development, Kochi. Farmers along with VAA, VHAs of RBK and DHO of Dr. B. R. ambedkar Konaseema district participated in the programme. Scientists of HRS, Ambajipeta delivered

the lectures on Cocoa production and protection technologies through Power Point presentations. Dr. P.C. Vengaiah, Senior Scientist from HRS, Pandirimamidi explained about post-harvest technology and value-added products in cocoa. Shared the information regarding government programmes like Pradhan Mantra Formalization of Micro Food Processing and One District One Product Programme.

Sri. A. Kireeti, Scientist (Hort.) participated in the International Conference on 'Trade and Marketing of Coconut products' organized by ICC in collaboration with CDB at Hyderabad from 27-28 February, 2023 and other scientists of HRS, Ambajipeta participated virtually.



Webinar



Dr. YSRHU-HRS-Kovvur, and Farmers Advisory Cell (FAC), Dr. YSRHU organized a National webinar on "**Banana processing, Value Addition and Entrepreneurship development**" as a part of Dr.YSRHU Year of Banana 2022-23 on 21.02.2023.

Dr. T. Janakiram, Hon'ble Vice-chancellor, Dr. YSRHU, Dr. R. Selvarajan, Director, ICAR-NRC Banana, Trichy, Dr. Prakash Patil, Project Coordinator, ICAR-AICRP on

Fruits, Dr. L. Naram Naidu, Director of Research, Dr. E. Karuna Sree, Director of Extension, Dr. YSRHU explained about the scope for promotion of banana processing and value addition in Andhra Pradesh with special reference to banana growing districts like West Godavari, East Godavari, Dr. B.R. Ambedkar Konaseema, YSR Kadapa, Annamayya, Chitoor and Ananathapuramu Districts. Dr. Suresh Kumar, Principal Scientist (Hort.), ICAR- NRC, Banana, Trichy, Dr. R. Sudhakar, Chief Technical Officer (Retd.), ICAR-CTRI, Rajahmundry participated in the programme as resource persons and presented various processing technologies and equipment. Progressive entrepreneurs in banana fiber production, Sri. A. S. S. N. Murthy, Proprietor, Sri Sai Datta fibers and paper products, Ravulapalem, East Godavari Dist and Smt. M. G. Krishna Veni, FISL World, Komarajulanka, East Godavari Dist. participated and explained about their success in this field. Dr.G.Ramanandam, Principal Scientist (Hort.) & Head coordinated the programme. Dr. K. Ravindra Kumar, Senior Scientist (Hort.), Dr. A. Snehalatha Rani, Senior Scientist (Plant Pathology) and Dr. Ch.S. Kishore Kumar, Senior Scientist (Plant Pathology) conducted interaction and discussions with scientists, farmers and Horticultural officers.

Global Connect Series

On 27.02.2023, Global Connect Series was organized by Dr. YSRHU on “Implications of Global Warming on Herbicide efficacy and Weed control for sustainable food production” by Dr. Mithila Jugulam, Professor, Weed Physiology, Kansa State University, USA. Dr.K.Dhanumjaya Rao, Director of Industrial & International Programmes, Dr.YSRHU coordinated the programme.

VC to Village Programme:



On 28.02.23, Dr. V. Govardhan Rao, Scientist (Path.) and Dr. V. Anoosha, Scientist (Ento.) proceeded to adopted Village Vakalgaruvu under VC to Village Programme and created awareness on the scope of milky mushroom cultivation for unemployed youth in villages and importance of bioagents for the management of insect pests and interacted with students of Government Primary School, Vakalagaruvu on the occasion of National Science Day.

Dr.YSRHU- Horticultural Polytechnic Nuzvid students and staff visited adopted village i.e Sunkollu. As per action plan, IInd year students were interacted with the farmers. Mr. Seemanarayana, farmer growing beans was explained about the cultivation practices, problems regarding delayed flowering, pests and disease management. Students interacted with him regarding variety, climatic factors, pests and disease incidence and management. Field was diagnosed with nutrient deficiency, sucking pest and powdery mildew problem. Dr. P. Vijaya Lakshmi, Associate Professor (Ento.), & Principal Smt. G. Padmaja, Assistant Professor, (Ag. Ecom), and Dr.K. Kanchana, Teaching Associate suggested control measures i.e 13:0:45 spraying (5g/lit), clean cultivation, neem oil (1%) spraying with systemic insecticides.



International Year of Millets at VC to Village Programme



Dr.G.Ramanandam, PS (Hort.) & Head, Dr.Ch.S.Kishore Kumar, SS (Pl.Path) and Dr.M.Viswanath Scientist (Hort) visited adopted village Kumaradevam as part of V.C. to village programme and created awareness to students (60 nos) of Z.P. High School about the nutrition values of Millets and its importance in human diet as part of celebration of International Year of Millets -2023 on 16.02.2023.

Dr. YSRHU Year of Banana activities

Scientists of HRS, V.R.Gudem conducted VC to Village programme at Venkataramannagudem on the eve of year of Banana on 28.02.2023. Dr. T. Nagalakshmi, Senior Scientist (Pl. Path) and Dr. N.V.Gowtham Deekshithulu, Scientist (Agri. Engg) explained about the nutrition, pests and disease management in Banana and educated the farmers about tissue culture banana.



On 22.02.2023, G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS- Anantharajupeta visited Banana fields for diagnosis of pests and diseases in Nagavaram village of Chitvel mandal. Observed spodoptera infestation and suggested to spray Chlorpyrifos @ 2.5ml per litre or Profenophos @ 1ml per litre.

Demonstrations under Natural Farming by KVKs



On 21.02.2023, KVK, Pandirimamidi has conducted awareness programme cum exposure visit to 53 farmers of 3 mandals namely Gokavaram, Korukonda and Seethanagaram of E.G dist. under the project on Out-Scaling of Natural Farming. Farmers were taken to the fields of 4 progressive farmers in natural farming at Dommeru, Kapavaram and Kurukuru villages and a field with multiple crops like banana, drumstick, vegetables i.e coccinia, broccoli, brinjal, chilli, ridge gourd etc., in first location, IFS based natural farming where paddy surrounded with fish pond trench, fruit & vegetable crops on bunds with adjoining of livestock, in 2nd location, coconut intercropped with cocoa, arecanut & pineapple where jeevamrith being applied through drip system with innovative idea in 3rd location and chilli field in 4th location were keenly observed by the farmers. A rally on importance of Pre-monsoon Dry Sowing (PMDS) of Nava Dhaanyalu was also conducted at Kunavaram village of Seethanagaram mandal as part awareness programme. Sri P.Raja Sekhar, Scientist (SS&AC) coordinated this programme.

On 25.02.2023, Krishi Vigyan Kendra, Pandirimamidi has conducted an awareness programme on natural farming as part of the project on out-scaling of natural farming. Dr. P. Lalith Kameswari, Principal Scientist & Head explained the benefits of natural farming in getting pollution free food, environment and also restoring of soil health through natural farming and also interacted with farmers regarding traditional organic practices to be followed in agricultural & horticultural crops. Sri P.Raja Sekhar, Scientist (SS&AC) coordinated this programme and total 32 farmers were participated.



On 23-02-2023, Dr. N. Srividya Rani, Scientist and Head and Dr. M. Harshitha, scientist (SSAC) conducted method demonstration on Dhruva jeevamrutham preparation and its application through drip to turmeric field at Machugaripalli village of Mydukur mandal.

On 22.2.2023, Smt. I.Rajeevana, Scientist (SSAC) Dr. YSRHU-KVK, Periyavaram conducted method demonstration on preparation of waste decomposer to the RHWEP students. Explained the importance of waste decomposer for decomposing the crop residues.



Method demonstrations



On 21.02.2023, Dr.D.Thirupal, Scientist (Horticulture) conducted method demonstration on spraying of Blitox+Streptocycline in acid lime nursery for control of Citrus canker disease. RHWEP students along with farmers participated in the programme.

On 23.02.23, Dr. NBV Chalapathi Rao, Principal Scientist (Ento.) and Dr. Vadde Anoosha, Scientist (Ento.) proceeded to Iralpalli village near Rampachodavaram in Alluri Sitaramaraju district and carried out spraying of bio pesticides against sucking pests of Chilli dominated by chilli thrips.



Front Line Demonstrations under KVks:



On 27-02-2023, Dr. T. Kranthi Kumar, Scientist (Horticulture) and Dr. N. Chiranjeevi Scientist (Plant Pathology) Krishi Vigyan Kendra, Pandirimamidi conducted follow up visit to ginger fields at Pandirimamidi Kota village of Maredumilli mandal as a part of FLD - Demonstration on organic cultivation of Ginger and explained good harvest methods and storage methods of ginger for seed purpose.

On 20-02-2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted follow-up visit to sesame fields at Rampa, yarrampalem, Kothapalli villages of Gokavaram mandal under NFSM-CFLD-Oil seeds-2022-23. Most of the fields were at vegetative stage stage.



On Farm Trials of KVks:



On 20.02.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted follow-up visit to mushroom production units at Seetharam village of Devipatnam mandal under OFT on **Assessment of mushroom production in agency area of Alluri Seetharamaraju district** (TSP-2022-23). Observed *Aspergillus* contamination in cased beds and recommended proper management practices for control of contamination.

On 25.02.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta made a follow up visit to OFT **Assessment of Pest and disease management in Brinjal** at Vonipenta village of Mydukur mandal. The scientist observed that the crop is in flowering and fruiting stage and the farmer installed pheromone lures to control fruit and shoot borer.



Diagnostic Visits:



Dr. Ch.S.Kishore Kumar, Sr. Scientist (P. Path.) surveyed Nemallikallu & Unguturu villages of Guntur district for nematode incidence in chili and observed galls. Advised to apply carbofuran 3g granules @ 20 kg a.i/ha

On 28-02-2023, Dr.Venkata Satish Kuchi, KVK, Venkataramannagudem conducteddiagnostic field visit to banana fields of Kadiyadda village of Tadepalligudem mandal and observed the potassium deficiency in the field and recommended application of MOP in the field.



On 24.02.2023 I.Rajeevana Scientist (Soil Science), KVK, Periyavaram conducted diagnostic field visits to farmers field at Gajulapalli village of Balayapalli mandal. Visited bhendi and brinjal fields and explained about the importance of nutrient management in vegetable crops. Also observed the incidence of fruit and shoot borers in brinjal field and suggested control measures.



On 17.02.23, Dr. NBV Chalapathi Rao, Principal Scientist (Ento.) Proceeded to coconut plantation in Poduru village of West Godavari district and observed combined incidence of Black headed caterpillar and Rugose spiraling whitefly.

On 27-02-2023, Dr. T. Kranthi Kumar, Scientist (Horticulture) and Dr. N. Chiranjeevi Scientist (Plant Pathology) Krishi Vigyan Kendra, Pandirimamidi, conducted diagnostic field visit to banana fields at Pandirimamidi Kota village of Maredumilli mandal and observed scarring beetle and thrips infestation on banana bunches and suggested recommendation for the management of pest.



On 23.02.2023, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Pandirimamidi conducted diagnostic field visit to chilli fields at Irlaplli village of Rampachodavaram mandal. Observed black thrips infestation and recommended proper management practices.

Dr R. Nagaraju, PS(H) & Head and Dr. T. Rajasekharam, Sr. Scientist (Pl.Path) visited Dragon fruit farm at Chandragiri on 25.02.2023 and observed the plants infected with stem spots (*Botryosphaeria dothidea*) and anthracnose. Suggested to regulate the water management and suitable fungicides were recommended to control the disease.



Dr.G.Ramanandam, Principal Scientist (Hort.) & Head, Dr.K.Ravindra Kumar, Senior Scientist (Hort.) and Dr. A. Snehalatha Rani, Senior Scientist (Plant Pathology) conducted field diagnostic visit on 23.02.2023 at Kapavaram and Dommeru villages of East Godavari District in Andhra Pradesh for diseases and disorders of banana. Incidence of Rhizome rot, BBrMV and Potash deficiency were observed in the field. Incidence of rhizome rot and BBrMV was observed up to 44.0 and 26.0 per cent in the surveyed villages.

On 23.02.2023, G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU-HRS, Anantharajupeta conducted survey on disease dynamics in Guava in Nandyalampeta village of Mydukur mandal.



On 23.02.2023, G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta visited Sweet orange orchard for diagnosis of pests, diseases and nutrient deficiency in Nandyalampeta village of Mydukur mandal. Observed Zinc and Fe deficiency and suggested to spray Zinc sulphate @ 0.2% and Iron sulphate @ 0.1% 2- 3 times at 10 days interval to rectify the deficiency.



On 24.02.2023, G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta conducted survey on disease dynamics in Mango in Nagavaram village of Chitvel mandal. During the visit scientist observed midge infestation and anthracnose leaf spot on the inflorescence and suggested to spray Dimethoate @ 0.2% + Hexaconazole @ 0.2% to manage the pests and diseases in Mango.

Dr. A. Snehalatha Rani, Senior Scientist (Plant Pathology) and Dr. Ch.S. Kishore Kumar, Senior Scientist (Plant Pathology), HRS, Kovvur along with Dr. P. Sunitha, Senior Scientist (Entomology), HRS, Venkataramannagudem conducted diagnostic field visit on 24.02.2023 at Nandarada, Dosakyalapalli and Nidigatla villages of Rajanagaram mandal in East Godavari district for diseases and pests of Jack fruit and Sapota. Infestation of fruit borer, spiralling white fly, *Olenecamptus bilobus* and incidence of Rhizopus fruit rot, foot rot or collar rot diseases were observed in Jack fruit. Infestation of spiralling white fly and red ants was observed in Sapota.



Exposure Visits:



On 09.02.2023 Hon'ble Vice-Chancellor, Dr.T.Janakiram visited and reviewed the activities of HPT, Nuzvid. Interacted with the students and staff, appreciated the activities of students. Delivered an inspirational message to the students to achieve their goals and settle in high positions.

Nearly 300 number of private school children from Tirupati visited CRS, Tirupati to gain knowledge on different Horticultural crops under under Kisan Samman Nidhi Programme along with their teachers. Dr. R.Nagaraju, Principal Scientist (Hort), Dr L. Mukunda Lakshmi, Senior Scientist (Horticulture), and Dr. T. Rajasekharam, Senior Scientist (PP) CRS, Tirupati explained about the importance of Horticultural crops, propagation techniques of different Horticultural crops and climate change and its effect on plants.



On 20.02.2023 Dr.YSRHU - KVK, Nellore-2 (Periyavaram) as part of Skill development and Vocational Training programme on Jute and Cloth bags making conducted exposure visit to Niha Textiles and Handicrafts Centre, SPSR Nellore for the women trainees. Smt.K.Kusuma Kumari, founder of Niha Textiles Institute explained about the marketing avenues for jute and cloth products and how to develop as entrepreneurs. In this program DKW college, Nellore staff also participated as resource persons and women interacted with the students who got trained under vocational training in the college on jute and cloth bags making. Dr.B.Vijaya Srée, Scientist (Home Science) coordinated with the resource agency and organized the program.



Explained about the different facilities available at fruit & vegetable processing unit to Mr. Jerry Joseph, Project Innovator from CCAMP, Bengaluru by Dr.B. Babu Rao, Scientist (Hort.).

Dr.M. Naveen Kumar, Scientist (Agril. Engg.), Dr.YSRHU-PHTRS, VR Gudem, demonstrated the functioning of ripening chamber, cold storage chamber, fruit sorting and grading unit and preparation of different value added products from fruits and vegetables to RHWEP students (12no.s) from COH, Parvathipuram.

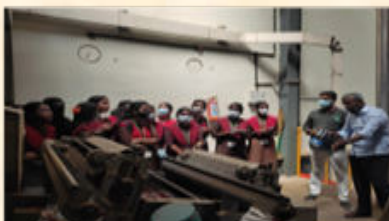


On 20-02-2023, KVK, Pandirmamidi, conducted one day awareness cum exposure visit for the input dealers of the DAESI program. Dr P. Lalitha kameshwari, KVK, Principal Scientist & Head addressed trainees on Krishi Vigyan Kendra and explained various activities carried by KVK. Dr. Kranthi Kumar scientist (Horti) explained farmers about the cashew grafting and cashew nut processing. Sri. P. Rajasekhar demonstrated the vermi compost preparation to the trainees. Dr. Praveen scientist (Extn) and KVK staff also participated in this program.



Exposure visit of farmers of Chatraput sub division outside the state visited Dr. YSRHU, under OIIPCRA scheme 2022-23 at Centre of Excellence Research and Training in Protected Cultivation. Dr. T. Thomson Scientist (Hort.) explained about the Hi-tech nursery facilities and raising of seedlings under portrays. Also explained about protected cultivation of high value commercial vegetables and flower crops on 22.02.2023.

On 17.02.2023, teaching staff and students from Govt schools of Dr. B. R. Ambedkar Konaseema district visited Dr. YSRHU-HRS, Ambajipeta and scientists interacted and explained the activities of station followed by a field visit.



As part of vocational training programme, Dr.A.Rajani, Senior Scientist(Hort), Dr.YSRHU - HRS, Lam, visited chilli processing unit and cold storage at Medikonduru (V&M), Guntur along with RHWEP students on 16.2.2023.

Scientific Advisory Committee meetings:

Dr.YSRHU - KVK, Nellore - 2 (Periyavaram) on 20.02.2023 Dr.B.Vijayasree, Scientist (Home Science) participated in the Scientific Advisory Committee Meeting (SAC) of KVK, Nellore and District Level Coordination Committee Meeting of District Agricultural Advisory and Transfer of Technology Centre (DAATTC), Nellore of ANGRAU.



Dr.YSRHU-KVK, Periyavaram, conducted Scientific Advisory Committee (SAC) meeting at KVK Periyavaram, Venkatagiri on 27.02.2023. Dr.B.Srinivasulu, Director PME Cell, Dr. YSRHU participated virtually as the chairman for the programme. Sri.Subba Reddy, DHO, Nellore, Dr.C.Madhumathi, Principal Scientist and Head, CRS, Petlur, Dr.B.Pratap, Senior Scientist, CRS Petlur, Sri. Nagarjuna Sagar, ADA, Venkatagiri, Sri. Karthik, HO, Venkatagiri, Smt. Sujatha, AO, Venkatagiri, Sri. Kishore Kumar, VAS, Venkatagiri, Sri. Dasaratharamaiah, REC member, Smt. Uma, CDPO, farmers and farm women participated in the programme. Dr.B.Govinda Rajulu presented the work done and achievements of KVK for the year 2022-23 followed by farmers and scientists interaction. Later individual scientists presented their work done for the year 2022-23 and action plan for the 2023-24.



On 28.02.2023, Dr. E. Karuna Sree, Director of Extension, Dr.YSRHU conducted 6th Scientific Advisory Committee meeting at Krishi Vigyan Kendra, Vonipenta, Mydukur mandal, YSR District. She chaired the session and conducted the SAC meeting. Dr. N. Srividyan Rani Scientist and Head KVK, Vonipenta presented the workdone for the year 2022-23 and proposed areas for action plan 2023-24. The SAC members presented their views for the new action plan to be proposed for the year 2023-24. All the Heads of the research institutes and Line department heads provided their valuable suggestions to give better service to the farmers from the KVK Scientists. Dr. KTV. Ramana, Principal Scientist and Head Zonal Research, advised to KVK scientists, that they should motivate farmers to establish processing units from their FPOs side for the benefit of the farmers. Dr. T. Suseela, Senior Scientist and Head, Banana Research Station, Pulivendula suggested to conduct more trainings in the district on value-addition to the Banana. Sri. B. Vijaya Vihari, DDM, NABARD reiterated the need to support KVK projects whichever designed for the betterment of farmers.



Udyana Yatra:



On 22.02.2023, Dr.YSRHU- KVK, Venkataramannagudem conducted the Udyana Yatra for the SARD, NGO from kovvur. Explained about the KVK activities, demonstration units, horticulture processing, integrated farming systems, animal husbandry, dairying and fisheries, mushroom production, apiary, community radio station, electronic wing, state level awareness center, university, bio-fertilizer unit etc. to the participants.



On 25.02.2023, KVK, Venkataramannagudem organized the exposure visit as a part of Udyana Yatra to Aditya Engineering College, Kakinada. Scientists of Dr. YSRHU-KVK, HRS and PHTRS, Venkataramannagudem explained different processing techniques and dry flower technology at Processing and Horticultural Skill Training Centre. Participants gained knowledge on dry flower technology, bio-fertilizers, protected cultivation, post harvest technologies etc.



SCSP:



On 17-02-2023 and 24-02-2023 Dr.Dr. N. Srividya Rani, Scientist and Head, provided battery sprayers to the SC farmers from Tippireddypalli and Madireddypalli colony under SC- Sub plan at KVK, Vonipenta. Dr. M. Harshitha, scientist (SSAC), Dr. S. Firoz Hussain, Scientist (Horticulture), Dr.B.S. Kanthi Sri, Scientist (Home Science) participated in the programme.

SC Sub Plan Programme of ICAR-AICRP on Tuber Crops

Dr. K. Mamatha, Principal Scientist (Hort) ,Dr YSRHU-HRS-Kovvur visited Sanapallilanka village of Ainavillimandal on 16.2.2023 and a training programme on Management of Nutritional Deficiencies in Elephant foot yam was organized to the farmers under SCSP and also conducted a method demonstration on seed preparation and seed treatment in elephant foot yam.



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 February, 2023 (3-4 PM).

Date	Topics	Scientist Name
16.02.2023	పసుపు సాగు మెళకువలు	Smt. Ch.Bindhu Scientist (Hort), HRS, Chintapalle
17.02.2023	డ్రాగన్ ఫ్రూట్ సాగులో మెళకువలు	Smt B.Vimala Scientist (Hort) HRS, Anantapuramu
20.02.2023	అరటిలో సమగ్ర పోషక యాజమాన్యం	Dr.G.Ramanandam PS (Hort.) &Head HRS,Kovvur
21.02.2023	ఆంధ్రప్రదేశ్కు అనువైన కర్రపెండలం రకాలు, సాగు పద్ధతులు	Dr.M.Janaki Scientist (Hort.) & Head, HRS, Peddapuram
22.02.2023	వేసవి కూరగాయల సాగులో నారుమడి ప్రాముఖ్యత మరియు యాజమాన్య పద్ధతులు	Dr.K.Rajendra Prasad Sr.Scientist (Hort), HRS, Pandirimamidi
23.02.2023	చేప మరియు రొయ్యలతో విలువ ఆధారిత ఉత్పత్తుల తయారీ విధానం	Dr. K. Veeranjanyulu Scientist (Fisheries), KVK, Pandirimamidi

24.02.2023	మిరప పంటలో కోత, కోతఅనంతర	Dr. A. Rajani Sr. Scientist (Hort.) HRS, Lam
25.02.2023	దానిమ్మలో చేపట్టవలసిన యాజమాన్య	Sri. S. Firoz Hussain Scientist (Hort.), KVK, Vonipenta
27.02.2023	అరటిలో అధిక దిగుబడులకు సూచనలు	Dr.T. Susila Sr. Scientist (Hort.) & Head, BRS, Pulivendula
28.02.2023	వంగ లో సమగ్ర సస్యరక్షణ పద్ధతుల	Dr. S. Adarsha Scientist (Entomology), KVK, Pandirimamidi

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 February Second fortnight, 2023.

Date	Topics	Scientist Name
17.02.23	పూల సాగులో కోత అనంతరం నాణ్యత మరియు తాజాదనం కోసం పాటించవలసిన నియమాలు (Post harvest technology for quality and freshness of flower crops)	Dr.P. Lalitha Kameswari PS&Head KVK,Pandirimamidi
20.02.23	కొబ్బరితో విలువ ఆధారిత ఉత్పత్తులు (Value addition and byproducts production in coconut)	A.Kireeti Scientist (Hort.) HRS, Ambajipeta
24.02.23	పండ్ల కోతలో కోత పరికరాలు ఉపయోగం మరియు కోత యంత్రాల లభ్యత (Fruit harvesters and their availability)	Dr.M. Naveen Kumar Scientist (Ag. Engg.) PHTRS, VR Gudem
27.02.23	ఉద్యాన పంటల నిల్వలో సోలార్ డ్రైయింగ్ తదితర పునరుత్పాదక శక్తి వనరులు వినియోగం (Application of renewable energy technology in horticultural crops)	Dr.N.V.Goutham Dikshithulu Scientist (Ag. Engg.) HRS, VR Gudem

Meetings:

Scientists of CRS, Tirupati attended Monthly Review Meeting with Project Co-ordinator, ICAR-AICRP on Fruits on 17/02/2023 through virtual mode.

On 17.02.2023, Dr. G. Sandeep Naik, Scientist (Pl. Path) from Dr YSRHU- HRS, Anantharajupet attended monthly review meeting through zoom platform convened by Project Coordinator, AICRP on Fruits.

On 27.02.2023, Dr.G. Sandeep Naik, Scientist (Pl. Path) from Dr YSRHU- HRS, Anantharajupet attended Interactive session on Farm mechanization with ICAR- CIAE, Bhopal through zoom platform convened by Project Coordinator, AICRP on Fruits.

Dr. R.Nagaraju, Principal Scientist (Hort), Dr L. Mukunda Lakshmi, Senior Scientist (Horticulture), Dr. D.Srinivasa Reddy, Senior Scientist (Entomology) and Dr. T. Rajasekharam, Senior Scientist (PP) CRS, Tirupati attended inaugural session of X Group Discussion-2023 of ICAR-AICRP on Fruits through virtual mode on 28th February 2023.

General:

Dr. K. Venkata Subbaiah, Scientist (Horticulture) attended ICAR sponsored 21 days winter school training program on “Commercialization of Arid Fruit and Vegetable crops through Modern Approaches” by Capacity Building Program by Agricultural Education Division, ICAR from 01.02.2023 to 21.02.2023 (21 days) at ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan and received participation certificate from Dr.Jagadeesh Rane, Director, ICAR-CIAH, Bikaner, Rajasthan.



Dr. K. Sireesha, Senior Scientist (Entomology) as resource person attended T&V meeting of Bapatla and Guntur districts on 22-2-2023 and 25-2-2023, respectively through virtual mode.

On 13/02/23, Dr. V. Govardhan Rao, Scientist (Pathology) participated in District Level Committee meeting conducted at District Collectorate of Dr. B. R. Ambedkar Konaseema district.



Dr K Mamatha, Principal Scientist (Hort) participated in the thotabadi programme at Ainavilli organized by Dept. of Horticulture on 16.2.2023 and created awareness on importance of yellow sticky traps and spraying of neem oil for the control of Spiralling white fly in coconut. Explained the advantage of growing elephant foot yam and taro in coconut orchards to the farmers. Sri Mallikarjunarao, DOH, Dr. Ambedkar Konaseema district and Smt. Babitha, Horticulture officer, Ainavilli mandal, VHA's and farmers participated in the programme.



Sri. A. Kireeti, Scientist (Hort.) and Dr. V. Anoosha, Scientist (Ento.) participated as jury members in District level Science Exhibition held at Z.P.P. High School, Ambajipeta on 16.02.23 and 17.02.23.

Dr. P. Ashok, Senior Scientist (Hort.), HRS, V.R. Gudem, Dr. D. Srinivasa Reddy, Senior Scientist (Ento.) & Sri. K. Manohar Naidu, AEO, CRS, Tirupati participated and displayed the AICRP recommended technologies and the exhibits from CRS, Tirupati, BRS, Kovvur and HRS, Anantharajupeta in National Horticultural Fair-2023 at IIHR, Bengaluru from 22nd -25th February, 2023. Dr. Prakash Patil, Project Co-ordinator, ICAR-AICRP on Fruits visited the stall and interacted with scientists.



Dr. D. Sreedhar, Senior Scientist (Hort), Dr Y. Sharath Kumar Reddy, Scientist (Physiology) from Dr YSRHU- HRS, Anantharajupeta had participated and presented posters in 13th National symposium on Fostering Resilient Coastal Agro-Ecosystems-2023, scheduled from 22nd to 25th February, 2023 at RARS, ANGRAU, Tirupati.

Publications:

Published Booklet on Kobbari lo sankarikarana, sankarajathi mokkala utthathi. A. Kireeti, G. Koteswara Rao, B. Neeraja, V. Anoosha, V. Govardhan Rao, NBV Chalapathi Rao and B. Srinivasulu.

Published popular article on Rugose tell doma nu samardavantam ga niyatrishunna mitra purugulu. , V. Anoosha, NBV Chalapathi Rao, A. Kireeti, , B. Neeraja, V. Govardhan Rao, G. Koteswara Rao, and B. Srinivasulu.

Shri. A. Kireeti, Scientist (Hort.) participated in Udayanamitra programme and delivered a lecture on “Kobbari lo viluva adharitha utapathulu”.

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