

Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-31 January 2023



Fortnight Focus

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From Vice- Chancellor's Desk

Honey bees are social insects known for their important role as pollinators and honey producers, playing a crucial role in maintaining biodiversity and ecological balance. Through their pollination services, they facilitate the reproduction of many plant species, contributing to the stability of ecosystems and the survival of diverse flora and fauna, besides producing honey which is a natural sweetener rich in carbohydrates, antioxidants, and trace amounts of vitamins and minerals. Bee wax from bee hives, has numerous applications in cosmetics, candles, and other industries.

The National Bee Board (NBB) in India as an apex body responsible for the promotion and development of beekeeping in the country, operating under the Ministry of Agriculture and Farmers Welfare with the primary objective to enhance honey production, improves the quality of honey, and ensures the overall growth and sustainability of the beekeeping industry in India, sanctioned a project entitled "Integrated Beekeeping Development Centre (IBDC)" to Dr.YSRHU, Venkataramannagudem, Andhra Pradesh, under the component "Pollination support through Beekeeping" which has been incorporated under the 'Mission for Integrated Development of Horticulture' (MIDH).

Dr.YSRHU, with the aid provided by NBB for IBDC set up apiary equipment manufacturing unit providing bee culture and hive extraction facility, bee disease diagnostic and honey quality control laboratories, honey and wax processing units at its headquarters to assist and create awareness among farming community. Training and capacity programmes are being conducted to rural and tribal youth to take up Apiculture as self employment opportunity. The ELP module "ELP - 408: Bee Keeping" at College of Horticulture, Venkataramannagudem developed numerous products with honey and honey bee hive products that have commercial value. In "NIT AP STARTUP EXPO" conducted at NIT, Tadepalligudem, Dr.YSRHU - College of Horticulture, VR Gudem stood as winners, for innovative bees wax and Honey value added products. A special video song on "Teneteegalu" was dedicated to the Farming community, on the occasion of Republic day celebrations on 26.01.2023 and kept in Dr.YSRHU Youtube Channel.

Dr T. Janakiram
Vice-Chancellor

The Events

74th Republic Day:

74th Republic Day celebrations were held at all the institutes of Dr. YSRHU on 26-01-2023. All the Heads of the institutes unfurled the National Flag and created awareness about importance of Republic Day. All the Teaching and Non- Teaching staff and students participated in the event.



Yogi Vemana Jayanthi

All the constituent institutions of Dr.YSRHU celebrated Sri Yogi Vemana Jayanthi on 19.01.2023. The officers and Heads of Research Stations, while speaking on the occasion, highlighted the contributions made by him in Telugu Literature as a poet. Vemana's 'vachanas' in simple Telugu are famous around the globe for their simplicity, and clarity.



National Girl Childs' Day

On 24.01.2023, awareness programme on 'National Girl Child Day' was celebrated at COH, Chinalataripi. Dr. S.S. Vijaya Padma, Associate Dean, all the staff with their girl children and students participated in the programme. Addressing students, Associate Dean has urged the girl students to be self-confident and self-reliant. NSS Officer Dr. Y. Yohan co-ordinated the programme.



Mushroom Day

On 28-01-2023 Dr. YSRHU - College of Horticulture, Venkataramannagudem and Dr.YSRHU - Krishi Vigyan Kendra, Venkataramannagudem jointly organized "Mushroom Day". Dr.T.Janakiram, Hon'ble, Vice-Chancellor, Dr.YSRHU, inaugurated the Exhibition. Cookery competition with mushrooms was conducted and 28 recipes like mushroom cookies, mushroom protein powder, mushroom murabba, mushroom momos, mushroom samosa, mushroom sandwich, mushroom pickle, mushroom biryani, mushroom 65 etc., were prepared by ELP Students and Rural women. Recipes were evaluated by three judges and 8 prizes were distributed to ELP Students (5) and Rural women (3).



Chrysanthemum Day

Department of Floriculture and Landscaping, COH, VR Gudem, conducted Chaamanthi Sambaralu at CoH, VR Gudem on 27.1.2023 to create awareness on Chrysanthemum cultivation in open field as well as in protected structures. Hon'ble Vice-Chancellor Dr.T.Janakiram, inaugurated the programme as Chief Guest and shared the research highlights in Chrysanthemum. About 50 farmers from Padala, Prakashraopalem and Telikicherla were participated in this programme. ELP students arranged exhibition and displayed different value added products like Chrysanthemum flower bouquets, vase decorations, floral balls, Chrysanthemum garlands, wreaths, veni, greeting cards, key chains, paper weights and Chrysanthemum Tea. The event was organised under the chairmanship of Dr. D. R. Salomi Sunitha, Dean of Students Affairs. Dr. N.V. Gowtham Deekshithulu, Scientist (Ag. Engg.) demonstrated smart robotic pesticide sprayer on the occasion of "Chrysanthemum Day Celebrations".



Global Connect Series

Conducted 12th Global Connect Programme on 30th January, 2023 in collaboration with Montana State University, Bozeman, USA on "Gene discovery for crop improvement using model and crop plants" under the Chairmanship of Hon'ble Vice-Chancellor, Dr.YSRHU. **Dr.M.Venugopal**, Associate Professor, Montana State University, USA was the guest speaker.



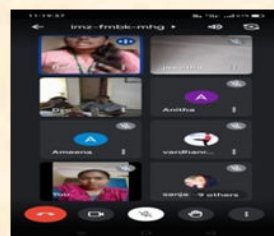
Dr. YSRHU- Cashew Research Station, Bapatla and ICAR-Directorate of Cashew Research, Puttur jointly organized the Annual Group Meeting of AICRP on Cashew- 2022 at Dr. YSRHU- Horticultural Research Station, VR Gudem on 19th – 21st, January, 2023. Dr. AK Singh, DDG, ICAR, New Delhi., Dr. V.B. Patel, ADG, ICAR, New Delhi, Dr. T. Jankiram, Hon'ble Vice Chancellor, Dr. YSRHU, Dr. Dinakar Adiga, Director and Project Coordinator, ICAR- DCR, Puttur, Dr. L. Naram Naidu, Director of Research, Dr. YSRHU and scientists from different AICRP cashew centres across the country attended the programme.



Education

NSS Activities:

Screening and selection of students at district level was conducted at Nehru Yuva Kendra, Kadapa, Ministry of Youth Affairs and Sports, Government of India on 27.01.2023 for finalizing top 10 candidates for participation at Zonal level. NSS Volunteer, Miss D. Srujana, AH/19-90, final year student of Dr.YSRHU, College of Horticulture, Anantharajupeta participated and stood first from Annamayya district in Zonal level selections conducted on 29.01.2023 and got selected to participate in State level competitions for National Youth Parliament Festival 2023.



Dr.YSRHU - CoH, Chinnalataripi, on 27.01.2023 ELP students of Module 403 and 404 were taken to Horticulture farm and Nursery at Kothapatnam to identify various ornamental plants and to study various propagation techniques in fruit crops. The tour was coordinated by ELP coordinator Dr. V. Vijaya Bhaskar, Professor (Hort.), Dr. T. Padmalatha, Professor (Hort.), Dr. C. Sarada, Professor (Hort.), Ms. S.M. Sailaja, Assistant Professor (Hort.) and Er. K.Manogna, Assistant Professor (Agril. Engg).

South India Educational Tour

Dr.T.Janakiram, Hon'ble, Vice-Chancellor, Dr.YSRHU and Dr. D.R. Salomi Sunitha, Dean of Student Affairs flagged off the South India Educational Tour for 2019 batch final year BSc Horti students on 30-01-23. University officers Dr.A.S.Padmavathamma, Dean of Horticulture and Dr. B.Srinivasulu, Registrar participated in that programme.



Demonstration to students

Demonstration on "Drone technology and Drone piloting" was organized by Garuda Aerospace company to the students of Dr. YSRHU-COH, Venkataramannagudem on 23.01.2023. Demonstration was organised by Dr. Er. B. Chennakesavulu, Associate Professor under the supervision of Dr. D.R. Salomi Sunitha, Dean of Student Affairs. Dr A. S. Padmavathamma, Dean of Horticulture and Dr. S. Surya Kumari, Dean of PG studies attended the programme.



RHWEP Activities

Dr. T.Rajasekharam, Senior Scientist (PP), Citrus Research Station, Tirupati - in charge of RHWEP, along with RHWEP students allotted to CRS, Tirupati visited Biofertilizer Production Unit at RARS, Tirupati and MICCO Laboratories Pvt. Ltd, (A DBT accredited Tissue Culture Lab) located at Cherlopalli, Tirupati on 24/01/2023 to gain first hand information and to learn practical skills.



Dr. R.Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (Hort) and Sri. Sunil Kumar, Horticulture Officer (HO), Tirupati enlightened the importance and availability of fertilizers, pesticides, fungicides and other micronutrients to RHWEP students on 31-01-2022 and HO explained various Horticultural schemes implementing in Andhra Pradesh and importance of farm ponds.

Research

On 19.01.2023, Dr.G.Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta conducted survey on disease dynamics in Papaya in Mydukur mandal. During the visit scientist recorded the data on disease incidence and severity of different diseases in Papaya crop at flowering to fruiting stage.



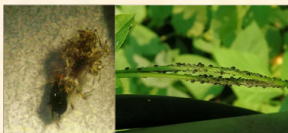
On 07.01.2023, Dr Y. Sharath Kumar Reddy, Scientist (Pl. Phy.) from Dr. YSRHU -HRS, Anantharajupeta, conducted nutritional survey in mango orchards and collected thirty soil and leaf samples based on efficiency of orchards in Obulavaripalli and Railway Kodur mandals of Annamayya district.

A total of 55 cassava genotypes were found with 100 per cent CMD resistance out of 80 open pollinated cassava genotypes developed by Dr.YSRHU – HRS, Peddapuram and the data was recorded on 31.01.2023.



CRS, Tirupathi Generative phase was recorded in both Acid lime and Sweet orange plants at Dr YSRHU - CRS, Tirupati and the setting percentage was found good. Flowering was observed from second fortnight of December 2022 and continued even up to 4th week of January 2023.

To raise quality acid lime seedlings, fruits of var. Balaji were collected from the mother block at Dr YSRHU - CRS, Tirupati and the seed was extracted to raise primary nursery.

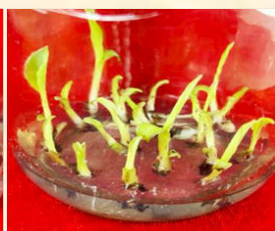


Scientists of Dr. YSRHU-HRS, Ambajipeta has identified Cow pea Aphid (*Aphis craccivora*) as alternate natural host for rearing of *Apertochrysa astur*, a predator of Rugose spiralling whitefly.

Banana cv. Erra Chakker Keli somatic embryos produced from immature male flower hands and multiplied in ICAR-NRC Banana bioreactor were collected from NRC banana and successfully obtained the germination. The germinated shoots were transferred to *in vitro* rooting media. 300 plants have reached the rooting stage out of the 180 grams of somatic embryos, and another 600 plants are in the germination to shoot development stage.



Somatic embryo germination in banana cv. Red Banana



Shoot development in Red Banana



In vitro rooting

Standardized in vitro protocol for low cost large-scale multiplication of *Colocasia cv Godavari chema* (KCS -3) for the establishment of disease free seed garden establishment. The *Colocasia* tissue culture plants were planted in field along with rhizomes as control. Among the two propagules evaluated, 100 % field establishment and superior growth characters were recorded in tissue culture *Colocasia* plants without any viral infestation.



In-vitro shoot multiplication



Tissue culture hardened plants



Tissue culture plants in establishment stage



Tissue culture plants of *Colocasia* in grand growth phase

Extension

Training Programmes Organized

Dr. K.Swarajya Lakshmi, Prof. (Horticulture), Dr. Ch.Ruth, Professor (Pl. Path.), along with First year M.Sc.(Horti.), VHA conducted awareness program on millet diet through power point presentation to rural women in Sunnapurallapalli (V) and self help group members in Y.Kota (V) on 28-01-2023.



Dr.T.Janakiram, Vice-chancellor, Dr. YSRHU inaugurated the newly constructed vehicle parking shed and 4 days training programme on "Hybridization in Coconut" and distributed Kera Suraksha Insurance Certificates to the Hybridization workers working in Dr. YSRHU -HRS, Ambajipeta on 30.01.2023. Honourable member of Board of Management Sri. Jinnuri Venkateswara Rao, Director of Research, Dr. YSRHU and Deputy Director, CDB, State Centre also participated in the programmes. Dr. B. Srinivasulu, Principal Scientist & Head, Dr. YSRHU -HRS, Ambajipeta coordinated the programme.

Dr.YSRHU - KVK, Pandirimamidi, conducted 5 day training programme on Value addition of Fish and prawn products by National Fisheries Development Board (NFDB), Hyderabad at KVK, Pandirimamidi from 19.-23 January 2023. On First day Dr K.Ahmed Basha, Scientist, CIFT, Regional Centre, Visakhapatnam participated as a resource person explained about Importance of fish in human diet, hygienic and fish handling methods, scope of value added fish products etc. On 20.01.2023, Dr.E.Karuna Sree, Director of Extension, participated and explained about the group dynamics for developing an enterprise and advantage of working as FPO for promotion of marketing for value added products in aquaculture. Prepared prawn pickle, fish pickle, fish papad, Fish samosa, fish wafers, fish chakili, fish cutlet, fish fingers and fish pakora. The resource persons, PAO, PHO of ITDA, Srinivas Rao, APD, Velugu, Dr P.Lalitha Kameswari, PS & Head KVK, Pandirimamidi, Dr K.Rajendra Prasad, Senior Scientist, HRS, Pandirimamidi, Raj Kishore Bara, Branch Manager, Union Bank of India, Rampachodavaram, K.Balaji VFA, Rampachodavaram delivered inaugural speeches and also released training manual, 37 women entrepreneurs of Ramachodavaram Division of ASR district and Konaseema district, Fisheries Department officials participated in the programme. Dr.K. Veeranjanyulu Scientist (Fisheries), coordinated the programme.

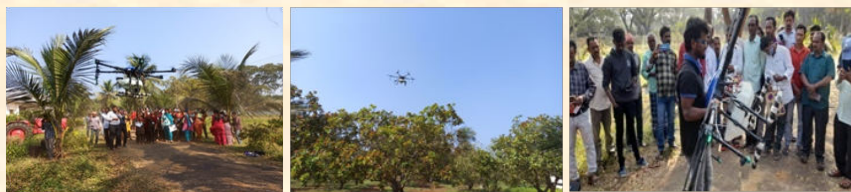




Dr. YSRHU - KVK, Nellore – 2 (Periyavaram) conducted training programme on "Establishment of Nutrigardens for dietary diversity and nutritional security of the farm families" at Grama Sachivalayam in the adopted village Arimenipadu (VC to Village), Ozili (M) on 23.01.2023. Dr.B.Govinda Rajulu, Principal Scientist & Head distributed Vegetable

Seed kits to the farmers and women and enlightened them on organic cultivation of vegetables for health and income generation. Dr.B.Vijayasree, Scientist (Home Science) organized the program and explained about the significance of Nutrigardens for reducing the micro nutrient deficiencies and ensuring food and nutritional security among farm families. Dr P.Nagarjunareddy, Scientist (Agrl.Extension), ZPTC Raghuramaraju, Village Secretary, RBK - VHA Vamsi, APCNF team, Farmers, women and rural youth participated.

On 25.01.2023 Dr. P.Lalitha Kameswari, Principal Scientist and Head and Dr.S.Adarsha, Scientist (Entomology), from Krishi Vigyan Kendra, Pandirimamidi, conducted 'Awareness and demonstration on use of drones in horticultural crops'. Time of application, spray fluid required per acre, feasible crops and ecosystems for drones usage were explained. Sri Laxman, A.O, Rampachodavaram explained about various schemes and subsidies present for obtaining drones for agricultural usage. Method demonstration in China aster and Cashew was done with the help of drone pilot from Garuda Drones. 40 farmers, Dr.K.Veeranjineyulu, Scientist (Fisheries), Dr.R.Praveen, Scientist, Extension, participated the program



On 23-01-2023 to 25-01-2023, Krishi Vigyan Kendra, Pandirimamidi conducted three days skill training programme on Cashew nut processing at KVK, Pandirimamidi under TSP-2022-23. In three days programme, technical and practical sessions were conducted. Dr. P.Lalitha Kameswari, Principal Scientist & Head KVK, Pandirimamidi distributed the certificates to the trainees in valedictory session. Dr. T. Kranthi Kumar Scientist (Horticulture) coordinated the programme.



On 25.01.2023, Krishi Vigyan Kendra, Pandirimamidi has organized one day District Level Seminar on Improving Livelihood Security of Cashew Farmers through Sustainable Cashew Production and Processing, with the financial assistance from DCCD, Kochi. In this programme various technical sessions were conducted on improved crop management practices in cashew, advanced management practices in pest and diseases, recent technologies in

water, weed and fertilizers management, post harvest management and processing of cashew kernels and preparation of value added products of cashew apple and kernels etc. and farmers & scientists interaction also conducted. Chief guest Sri.K. Chittibabu, PHO, ITDA, Rampachodavaram, Dr.K.Rajendra Prasad, Senior Scientist and Head, HRS, Pandirimamidi, Dr P.Lalitha Kameswari, Principal Scientist & Head, KVK staff, and 170 farmers participated in the programme.





On 30 January 2023, training programme on "Cultivation practices in Banana" was conducted as a part of Year of Banana-2022-23 by Dr. D.Thirupal, Scientist (Horticulture) and Smt. I. Rajeevana, Scientist (SSAC), Dr. YSRHU - KVK, Periyavaram and enlightened the farmers on cultivation practices & nutrient management in Banana. Dr. B. Govinda Rajulu, Principal Scientist (PP) and Head, created awareness on pest and disease management in Banana and distributed the Arka Banana special to the farmers. Dr. P. Nagarjuna Reddy, Scientist (Agri. Extn.),KVK, Periyavaram, Dr. Venkata Ramana, Assistant professor, COH, Chinalataripi, RHWEP students from COH, Chinalataripi, STIHL Company Engineer Mr. Nagendra Kumar and farmers participated.

Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram, conducted training programme on Livestock Health Management at Palakonda Satram (V), Venkatagiri (M), Tirupati Dist. on 25.01.2023. Dr. Swamy Babu, AD (Animal Husbandry), Venkatagiri and Dr. Kishore Kumar, VAS (Paravolu) enlightened the farmers on clean milk production, use of mineral mixtures and feed management in livestock.



On 18.01.2023, training programme was conducted by Banana Research Station, Pulivendula at Krishi Vigyan Kendra, Vonipenta. Dr. T. Suseela, Senior Scientist and Head, BRS, Pulivendula explained the farmers about good agricultural practices in banana. Dr. D. Sreedhar, Senior Scientist (Horticulture), HRS, Anantharajupeta explained the farmers about the production technology in turmeric. Sri. Sandeep Naik, Scientist (Plant pathology), HRS, Anantharajupeta explained the farmers about

the control of pests and diseases in turmeric. Dr. N. Srividya Rani, Scientist and Head, KVK, Vonipenta introduced the scientists to the farmers and explained about cultivation practices in Turmeric. Scientists of KVK, Vonipenta Dr.S.Firoz Hussain, Dr.M.Harsitha and Dr.B.S.Kanthi Sri, scientists of BRS, Pulivendula Dr.A.Reshma, Dr.Sunil Kumar and Dr.P Datta Reddy and 89 farmers attended the programme. Method demonstration was conducted by the scientist (Pathology) on development of culture of *T.viride* and *Pseudomonas*.

On 17.01.2023 Dr.YSRHU – KVK, V.R.Gudem, conducted one day awareness programme on 'Promotion of the use of botanical pesticides based on locally available resources/plants in zero budgeting organic farming for crop protection and enhancing crop productivity' sponsored by Institute of Pesticide Formulation Technology, Gurgaon,Haryana. Dr.T.Janakiram, Hon'ble Vice-Chancellor, Dr.YSRHU attended as chief guest, Dr.Jitendra Kumar, Director, IPFT, Gurgaon attended as guest of honor. The University Officers Dr.E.Karuna Sree, Director of Extension and Dr.L.Naram Naidu, Director of Research acted as co-chairmen. Dr.M.A.Shakil, Principal Scientist, IARI, New Delhi explained about the uses of botanical pesticides in agriculture and horticulture. The programme was coordinated by Sri. G. Shali Raju, Scientist (Ento.), Dr.YSRHU-KVK, V.R.Gudem.





On 19-01-2023, Dr M Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem conducted training programme on “Integrated Nutrient Management” to the farmers of Avapadu and Singarajupalem. Later visited Brinjal OFT fields and diagnosed the Mg deficiency and recommended to spray $MgSO_4$ @ 2g/lit. of water

On 24-01-2023, Dr.YSRHU- Farmers Advisory Cell in collaboration with ICAR-IIMR, Hyderabad, organized a webinar on “Millets as superfood” as part of schedule of “International year of Millets 2023”. Dr.T.Janakiram, Hon’ble VC, Dr.YSRHU was the Chairperson and Dr. C.V.Ratnavathi, Director, ICAR - IIMR was the special guest. Dr M Raghavendra Reddy, Scientist (SS&AC), KVK, VRGudem acted as resource person and explained “Millets utilization- The fall and rise” to the attendees. Dr.E.Karuna Sree, Director of Extension, Dr.YSRHU coordinated the programme.



Training Programmes Participated



On 24 January 2023, training program on "Pasupu saagu mariyu sasyarakshana charyalu" was conducted by Dept. of Horticulture, Nellore District at Bandaganipalli village, Udayagiri mandal, Nellore District. Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram attended as a resource person and explained about the package of practices of Turmeric and management practices of rhizome rot, leaf spot disease and rhizome fly. Sri Shaik Shaheel, Horticulture Officer (Vinjamuru) enlightened the farmers about biofertilizers uses in Turmeric cultivation and Sri M.V.Subbareddy, District Horticulture Officer (DHO), Nellore (Dt.) explained about Dept. schemes. Smt.K. Vijayamma (MPTC), Smt. L.Ravanamma (Sarpanch), Smt. M. Padmaja Reddy (MPP), K. Ramana Reddy (Farmers society leader), VHAs, VAAs and farmers participated.

On 27.01.2023, Scientists of KVK, Vonipenta attended the training programme on package of practices of Sapota organized by NGO-Agricultural Federation, Badvel. Dr. N. Srividya Rani, Scientist and Head from KVK, Vonipenta, explained KVK activities and cultivation of Sapota. Dr. S. Firoz Hussain, Scientist (Horticulture) educated the farmers on production and protection technologies in Sapota. Dr. M. Harshitha, Scientist (SS and AC) and Dr. B.S. Kanthi Sri, Scientist (Home Science), explained about INM practices, value addition and after care in sapota after harvest, respectively. The programme was attended by Sri. Muneiah, Director, NGO-Agriculture Federation, Badvel and 35 farmers from B.Kodur village.



On 28-01-2023, Dr.B.S. Kanthi Sri, Scientist (Home Science), KVK, Vonipenta participated in the training programme on Sustainable Natural farming at GV Satram village conducted by Livelihood Enterprise Development Programme and NABARD. The scientist explained about the sustainable agriculture and livelihood opportunities by adopting value-addition to the agriculture produce as a continuous process to increase their farm returns and create multiple opportunities to the farm sector. Sri Rajasekhar Reddy, Chairman, FPO, Mrs.Lakshmi Prasanna, Agriculture Officer, Mydukur, Dr. Gurava Reddy, Veterinary Surgeon, GV Satram also participated in the programme. 75 women participated in the session.

On 30.1.2023, Dr. B.K.M. Lakshmi, Principal Scientist (Pl. Patho), Dr. K. Radha Rani, Principal Scientist (Hort.) and Dr. G. Sravanthi, Scientist (Ento.), MRS, Nuzvid, participated in a webinar on “Gene discovery for crop improvement using model and crop plants” conducted by Dr. YSRHU in Collaboration with Montana State University, Bozeman, USA.

Dr. G. Sravanthi, Scientist (Ento.), MRS, Nuzvid, participated webinar on “Host Plant Resistance in Major Oilseed Crops” and “Status and Management Prospects of South East Asian Thrips, *Thrips parvispinus* on Chilli In India” on 30.1.2023,

On 18.01.2023, Dr. K. Radha Rani, Principal Scientist (Hort.), MRS, Nuzvid, attended training programme on “Pest and Disease Management” in mango at Surampalli village Krishna District and acted as resource person, created awareness among the farmers about important pests and diseases occur during flowering along with remedial measures.

On 24.01.2023, Dr. K. Radha Rani, Principal Scientist (Hort.), MRS, Nuzvid, attended training programme as a resource person on “Pest and Disease Management in mango during flowering stage” at Chatrai, Eluru District.

On 25.01.2023, Dr. K. Radha Rani, Principal Scientist (Hort.), MRS, Nuzvid, attended training programme as a resource person on “Pest and Disease Management in mango during flowering stage” at Agiripalli, Eluru District.

On 28.01.2023, Dr. K. Radha Rani, Principal Scientist (Hort.), MRS, Nuzvid, attended training programme as a resource person on “Sustainable Mango Production” conducted by “Krishna Sudha Academy for Agroecology” at Kondaparva, Eluru district



On 18.01.2023, Dr. D. Sreedhar, Senior Scientist (Hort.) and Dr. G. Sandeep Naik, Scientist (Pl. Path.) from Dr YSRHU- HRS, Anantharajupeta, attended farmers training programme on Turmeric production technology organised by Dr YSRHU- Banana Research Station, Pulivendula at Dr YSRHU- KVK, Vonipenta. The scientists explained about methods of planting, weed management, water management , fertilizer management and post harvest technology and pest and disease management.



Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), Dr.YSRHU-KVK, Venkataramannagudem acted as resource person in the NFDB sponsored 5 days training program on Fish products and Value addition conducted by KVK, Pandirimamidi on 20.01.2023.

ICAR-SC Sub Plan Project -2022-23

An awareness camp was conducted as a part of ICAR-SC Sub Plan Project 2022-23 entitled “Mushroom culture as sustainable means of nutritional security and employment of SC farmers” of YSR KADAPA District of Andhra Pradesh at N.Devarayapalli (V) of Chitvel (M) and S.R.Colony of K.R.Kandriga (V) of Rly. Kodur (M), Annamaiah (dist.). Dr. Ch.Ruth, P.I, Professor (Pl.Path), Dr. K.Swarajya Lakshmi, Co-PI, Prof (Horticulture) and Dr.K.Arunodhayam, Co-PI, Asst.Prof. (Pl Path) explained the importance and cultivation of mushrooms, to the SC beneficiaries along with ELP students. Sachivalayam Volunteer also participated in the program. Twenty participants from each village participated in the programme.





Scientists of Dr.YSRHU-HRS, Ambajipeta, organized the Sc Sub plan programme on 10.01.2023 and distributed electrical rechargeable battery sprayers to the 14 identified SC farmers of Ambajipeta, Amalapuram, Inavelli and Uppalaguptam mandals of Dr.BR Ambekar Konaseema District. On this occasion, scientists of DR.YSRHU- HRS, Ambajipeta explained about the recent technologies on inter cropping in coconut, bio intensive management of Rugose spiralling whitefly and other pest and diseases in coconut.

Front Line Demonstrations

On 28.01.2023, Sri P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi has visited oilpalm orchards under FLD on ICM in oilpalm at Beerampalli and Veerabadhrapuram villages of Rampachodavaram and Addateegala mandal and interacted with farmers regarding ICM practices followed and discussed about moisture conservation measures, mulching etc to be followed in upcoming summer months.



On 17-01-2023 KVK, Pandirimamidi visited farmers field for observing the status of the Ginger FLD and noticed some weed growth in the field and advised farmers to go for weeding. Also visited rubber processing unit at Lankapakala village. The program was coordinated by Dr R. Praveen Babu, scientist (Extension).

On 27.1.2023, Dr.S. Adarsha, Scientist (Entomology), Dr. N Chiranjeevi and Dr.R. Praveen Scientist (Extension) from Krishi Vigyan Kendra, Pandirimamidi conducted diagnostic visit to blackgram var. GBG 1 fields at Itikayalapalli village of Gokavaram mandal. Observed powdery mildew incidence and recommended for application of wettable sulphur @ 3g/l or mancozeb @ 3g/l along with 1ml/l dinocap for control of disease. Crop is at flowering and pod development stage. Also recommended application of pulse wonder @ 2kg per acre for improved yields. 16 farmers from CRP, Irikayalapalli participated in the visit.



Conducted Field Day in Black Gram variety (TBG-104) on 21.02.2023, under CFLD Pulses (Rabi) programme in Arimenupadu village of Ojili Mandal. Farmers expressed that the performance of the variety (TBG-104) was excellent and incidence of pests and diseases was found low. Suggested the farmer to keep the variety as seed for next season. Dr.P. Nagarjuna Reddy, Scientist (Agril. Extension) and Dr.B.Govinda Rajulu, Principal Scientist (PP) and Head organized the programme. VAA of RBK and farmers participated in the programme.

On 23-01-2023, Dr. B.S.Kanthi Sri, Scientist (SSAC) conducted follow up visit on FLD on Establishment of Community Nutrition Garden at Anganwadi centres. As a part of the visit, scientists visited Machugaripalli village of B.Matam mandal and observed the vegetables produced in beneficiaries backyards. Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) also participated in the programme.





On 27-01-2023, Dr. B.S.Kanthi Sri, Scientist (SSAC) conducted follow up visit on FLD on Establishment of Community Nutrition Garden at Anganwadi centres. As a part of the visit, scientists visited B.Koduru village of B.Koduru mandal and observed the vegetables produced in beneficiaries backyards. Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) and Dr.S.Firoz Hussain also participated in the programme.

Scientists of Dr.YSRHU-KVK, Vonipenta, conducted field day in Black gram regarding CFLD on Pulses at Adhireddypalli village of Mydukur mandal on 21-01-2023. Scientists interacted with the farmers regarding the variety TBG-104, conducted crop cutting experiment and estimated the yield. Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) and Dr.B.S. Kanthi Sri, Scientist (Home Science) participated in the programme.



Scientists of Dr.YSRHU-KVK, Vonipenta, conducted field day in Black gram regarding CFLD on Pulses at Madirepalli village of Duvvur mandal on 23.01.2023. Scientists interacted with the farmers regarding the variety TBG-104, conducted crop cutting experiment and estimated the yield. The expected yield is about 7-8 quintals per acre. Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC), 25 farmers and farm women participated in the programme.

OFT

On 19th January, 2023 Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram conducted follow-up field visit in Chilli crop as a part of Frontline Demonstration on "Integrated Crop Management in Chilli". Installed yellow and blue sticky traps in farmers field for control of thrips & white flies and also distributed the Arka Vegetable Special to the beneficiary farmers at Mannegunta village, Venkatagiri Mandal and Vengamambapuram village, Balayapalli mandal, Tirupathi District.



Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram visited the farmer's field as a part of On Farm Trial on "Assessment of Watermelon Varieties" and distributed the seeds of Arka Syam and Arka Muthu seeds to the beneficiary farmers at Mannegunta and Pularanagadupalli villages, Venkatagiri Mandal, Tirupathi District on 19.01.2023.

On 28th January, 2023, a follow-up field visit was conducted by Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU - KVK, Periyavaram as a part of On Farm Trial on "Assessment of New Chilli Varieties in Nellore District (LCA-620 & LCA-625)" at Chintakunta village, Venkatagiri mandal, Tirupati District. Smt. I. Rajeevana, Scientist (SSAC), KVK, Periyavaram and beneficiary farmers participated.





On 31st January 2023, follow-up field visit was conducted in beneficiary farmer water melon field as a part of OFT on " Assessment of Watermelon varieties (Arka Syama & Arka Muthu)" by Dr. B. Govinda Rajulu, Principal Scientist (PP) & Head, Dr. D. Thirupal, Scientist (Horticulture) and Smt. I. Rajeevana, Scientist (SSAC), Dr. YSRHU-KVK, Periyavaram at Pularangadupalli village, Venkatagiri mandal, Tirupati District.

On 25.01.2023, Dr. N. Srividya Rani, Scientist and Head and Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta conducted a follow up field visit to OFT on "Assessment of Coriander varieties viz., Sustira and Surabhi" in farmer's field at Vonipenta village in Mydukur Mandal.



On 23-01-2023, Dr. M. Harshitha, Scientist (SSAC) and Dr. N. Srividya Rani, Scientist and Head conducted follow up visit to OFT on "Introduction of Groundnut high yielding variety Kadiri Lepakshi (K-1812)" at Lekkalavaripalli village of Mydukur mandal. As a part of the visit, scientists observed the germination percentage and also observed the leaf spot disease and leaf rust in the field and suggested to spray Hexaconazole @ 0.5 ml per litre and Tridemorph @ 1ml per litre, respectively.

On 23-01-2023, Dr.M.Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem visited OFT field to monitor spray of Nano urea on Maize. Later, explained the beneficiaries about the importance of nano urea spray over conventional urea applications.



Scientists of Dr. YSRHU - KVK, Nellore -2 Periyavaram, Dr.B. Vijayasree, Scientist (Home Science) conducted OFT on "Assessment of Moringa based Millet biscuits for improving the nutritional status of vulnerable groups" on 20.01.2023. Dr.B.Govinda Rajulu, Principal Scientist & Head addressed beneficiaries to become as entrepreneurs for income generation and livelihood promotion. The beneficiaries were explained about the nutritional importance of Moringa leaf as well as Millets and the two technologies of moringa based millet biscuits (T01) and millet biscuits (T02) were assessed for the organoleptic properties by sensory evaluation. MEPMA – District Coordinator Sri M.Jayaram, Community Coordinators Sri K.Venkateswarlu, Sri P.Durgeshkumar and 35 SHG women participated.



Out Scaling Natural Farming through Krishi Vigyan Kendras



Dr.YSRHU- Krishi Vigyan Kendra, Pandirimamidi has visited brinjal and chilli fields on 06.01.2023, under project on 'out-scaling of natural farming' at Gopavaram village of Rampachodavaram mandal. Provided critical inputs like agni asthram, panchagavya, neem cake etc. as part of

demonstration on NF and monitored spraying of panchagavya at flowering & fruiting stages of respective crops. Scientist (SS&AC) coordinated the visit.



Scientists of Dr.YSRHU- Krishi Vigyan Kendra, Pandirimamidi visited brinjal field on 07.01.2023, under project on 'out-scaling of natural farming' at Seethapalli village of Rampachodavaram mandal. Provided critical inputs like agni asthram, panchagavya, neem cake etc.

as part of demonstration on NF. Conducted method demonstration on spraying of agni asthra@5 ml/litre for control of shoot & fruit borer and also explained the measures to be taken for maintenance of drip system while dhrava jeevamrith being applied to crop. Scientist (SS&AC) coordinated the visit.



Scientists of Dr.YSRHU- Krishi Vigyan Kendra, Pandirimamidi conducted 2 days training programme on natural farming under the project "Out-Scaling of Natural Farming" from 24th to 25th January, 2023. Dr. P. Lalitha Kameswari, Principal Scientist & Head, inaugurated the programme followed by release of practical manual on Preparation of Organic Formulations in Natural Farming and explained the importance and role of natural farming in restoring soil health and improving the soil bio-diversity there by getting qualitative food and pollution free environment. During the first day, a guest lecture on key elements for escalation of natural farming and 365 days cover crops through natural farming was delivered by Sri B. Tatarao, DPM, APCNF, E.G. District. Practical session was conducted on preparation of 18 bio-cultures and it's method of using in different crops for nutrition and control of various pest & disease complexes. During second day, a lecture on Strategies for Improving Organic Carbon Status in Soil through Natural Farming Practices was delivered by Sri P Raja Sekhar, Scientist (SS&AC) followed by practical session on method of preparation of different organic formulation like Dhrava, Ghana Jeevamriths, Neemasthram, Agniasthram etc. PMDS seed kits and vegetable seed kits were provided to trainees. Ten APCNF staff members and 40 trainees were participated.



On 27-01-2023, Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) conducted 'Awareness cum training programme on Outscaling of Natural farming' at B. Koduru village of B.Koduru mandal. Explained the importance of natural farming in present condition in order to increase soil carbon which play a major role in soil fertility. Dr. S. Firoz Hussain, Scientist (Horti) and Dr.B.S. Kanthi Sri, Scientist (Home Science) participated in the programme.





Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) and Dr.B.S. Kanthi Sri, Scientist (Home Science) Dr.YSRHU-KVK, Vonipenta, involved in the method demonstration of Dravajeevamrutham preparation by farmers as a part of Natural farming at Machugaripalli village of B. Matam mandal, on 23.01.2023. Ingredients used for Drava jeevamrutham preparation were Desi cow urine, jaggery, cow dung and all these ingredients were mixed in water and left for four days for further decomposition.

Dr.M.Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem conducted an exposure visit to farmers in Lingapalem and Dharmagudem mandals of Eluru district under DAESI on Natural farming practices on 21.01.2023. Later, visited chillies, marigold cultivation plots under natural farming in KVK instructional farm.



Method Demonstrations

Dr. N. Srividya Rani, Scientist and Head, Dr. M. Harshitha, Scientist (SSAC) and Dr.B.S. Kanthi Sri, Scientist (Home Science), Dr.YSRHU-KVK, Vonipenta, involved in conducting method demonstration of 'Aagnastra preparation by farmers as a part of Natural farming' at Somireddypalli village of B. Matam mandal on 10.01.2023. Ingredients used for Aagnastra preparation were Desi cow urine, garlic, chillies, tobacco and neem and these were boiled in cow's urine for about two hours and left for two days without disturbing. Aagnastra is used as bio pesticide for all types of lepidopteran pests.



On 30.01.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram conducted method demonstration on "preparation of silage by drum method using super napier fodder' from KVK demonstration plot. The fodder was cut to small pieces using chaff cutter cum pulveriser machine, pressed manually into drum, added molasses and closed maintaining air-tight conditions for fermentation for 2 months. The demonstration was done for dairy farmers at KVK, Periyavaram as part of FLD on silage preparation by drum method.



On 24.1.2023, Smt. I.Rajeevana, Scientist (Soil Science & Agril.Chemistry) conducted method demonstration on collection of soil samples to RHWEP students. Soil samples were collected at various depths 0-30, 30-60, 60-90 cm. and explained students about quartering technique. Dr.B. Goinda Rajulu, Principal Scientist & Head, Dr.P.Nagarjuna Reddy, Scientist (Agril.Extension), Dr. D.Tirupal, Scientist (Horticulture) and RHWEP students participated in the programme.





On 20.1.2023, Smt. I.Rajeevana, Scientist (Soil Science & Agril.Chemistry) conducted method demonstration on seed treatment of groundnut with rhizobium biofertilizer. Groundnut seed was first treated with chemicals later applied jaggery solution and rhizobium biofertilizer to the seed. Dried in shade and kept for further sowing. Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), Dr. B. Vijayasree Scientist (Home Science) , and farmers participated in the programme.

Dr M Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem, organized the spraying of neem oil on Chillies and cowpea by agricultural drones of Garuda Aerospace, on 24-01-2023. Dr. E. Karuna Sree, Principal Scientist and Head, KVK, field staff and staff of Garuda Aerospace participated in the programme.



Dr. YSRHU Year of Banana activities



Dr. E. Karuna Sree, Director of Extension, Dr. YSRHU, Dr. N. Srividya Rani, Scientist and Head, conducted follow up visit to Banana field under Year of Banana and FLD on 'Application of Arka Banana Special and KH_2PO_4 ' at Adhireddypalli village of Mydukur mandal on 30.01.2023. The Director of Extension, Dr. E. Karuna Sree interacted with the farmer about Arka Banana Special and the yield parameters. Scientists Dr. M. Harshitha, Scientist (SSAC), Dr. S. Firoz Hus-sain, Scientist (Hort) and Dr.B.S. Kanthi Sri, Scientist (Home Science) and RHWEP students of Adhireddypalli village participated in programme.

VC to Village Programe:

On 29-12-2022, Dr. V. Anoosha, Scientist (Ento.) and Shri. A. Kireeti, Scientist (Hort.) proceeded to vakalagaruvu village and explained about different varieties of Banana in adopted Village under VC to Village programme & Dr.YSRHU year of Banana.

On 27-01-2023, Dr. V. Anoosha, Scientist (Ento.) and Dr. G. Koteswara Rao, Research Associate (Hort.) proceeded to Vakalagaruvu village and conducted awareness programme on Conservation of Beneficial insects like *Apertochrysa astur* and *Encarsia Guadeloupe* and their role in RSW management under VC to Village programme.



Dr. M. Janaki, Scientist (Hort.) & Head, Dr. YSRHU - HRS, Peddapuram visited J.Thimmapuram vil-lage as part of VC to Village flagship programme on 26.01.2023 and visited sweet potato field (RNSP -1) and MLT on sweet potato and observed good growth of plants.



On the occasion of International year of Millets, scientists of Dr.YSRHU - HRS, V.R. Gudem conducted an awareness program at ZPH School, Pedathadepalli on 31.01.2023 as a part of VC to Village program. Dr.T.Naga Lakshmi, Senior Scientist (P.P) and Dr.T.Thomson, Scientist (Hort.) explained about the role and importance of millets for human nutritional diet and their health benefits. Various products prepared with millets were also displayed in the program.

On 24.1.2023, Dr. G. Sravanthi, Scientist (Ento.) conducted field visit to mango orchard in Hanumanthunigudem village and gave recommendations on control of pests and diseases.

Udyana Yatra



85 Bi.P.C students of Dr SRK & KSR CO-op Junior college, Nallajerla have visited Dr.YSR Horticultural University under Udyana Yatra on 27.10.2022. Students were explained and shown demonstration units of poultry, sheep, cattle, integrated farming system, natural farming demonstration blocks, nursery, university museum, Community Radio Station, Electronic wing etc. The program was coordinated by Dr.V.Deepthi Scientist (Agril extension) and Dr K.Mayuri, TO to DE, Dr YSRHU.

Visits



Under ICAR- AICRP (fruits), Scheduled-caste sub plan programme, beneficiaries from Obulavarapalli mandal visited AICRP Tirupati centre and they were taken to tissue culture banana production unit at MICCO Laboratories Pvt. Ltd, (A DBT accredited Lab) at Cherlopalli on 20.01.2023. Further Tissue culture Banana plants were distributed to the beneficiaries. The programme was organized by Dr. R.Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (Hort), Dr. D. Srinivas Reddy, Senior Scientist (Ent.) and Dr. T. Rajasekharam, Senior Scientist (Pl. Path).

Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), HRS, Kovvur organized visit to Sri Satyadeva nursery for the Director, NRC Cashew, PC cell, and other delegates who attended the Cashew Annual Group Meeting at Dr.YSRHU, V.R.Gudem on January 21, 2023.



Dr. L. Naram Naidu, Director of Research, Dr. YSRHU visited Dr. YSRHU - HRS, Peddapuram on 30.01.2023 and reviewed the research station activities & constraints. Dr. M. Janaki, Scientist (Hort.) & Head, explained the progress of all experiments of cassava and sweet potato carrying out under AICRP on Tuber Crops, Non-Plan and Revolving Fund.

On 25.01.2023, Dr. N. Srividya Rani, Scientist and Head and Dr. S. Firoz Hussain, Scientist (Horticulture), Dr.YSRHU - Krishi Vigyan Kendra, Vonipenta, visited Information Corner kept by RHWEP students of College of Horticulture, Anantharajupeta. The students explained on management of thrips in Marigold. Farmers also interacted with scientists and RHWEP students on pest management in Marigold.





On 30-01-2023, Director of Extension, Dr. E. Karuna Sree visited Dr. YSRHU - KVK, Vonipenta. Director of Extension interacted with the scientists on technical programmes being organized at KVK, Vonipenta and reviewed the activities. Also suggested the scientists to plan the activities accordingly for generation of the Revolving fund for the next financial year and maintenance of demo units at KVK farm. Also visited the new administrative building of KVK, Vonipenta and reviewed the

works.

Dr. M.Naveen Kumar, Scientist (Agril Engg.), Dr.YSRHU-PHTRS, VR Gudem, demonstrated the functioning of ripening chamber, cold storage unit, fruit sorting and grading unit and preparation of different value added products from fruits and vegetables to Sri K. Ravi Kiran, Village Horticulture Assistant along with progressive farmers (20 nos.) from Kommalapadu, Bapatla District, visited on 25.01.2023.



On 25.01.2023, FPO farmers from Marturu, Bapatla district visited KVK, Venkataramannagudem. Dr.T.Vijaya Nirmala, Scientist (Veterinary Science), Dr.G.Shaliraju, Scientist (Entomology) and Dr.K.Venkata Satish, Scientist (Horticulture), KVK, Venkataramannagudem explained about fruits and vegetable processing methods and equipment required for processing, pest and disease management in

Banana, improved backyard poultry management.

Meetings

Scientists of Dr.YSRHU - CRS, Tirupati attended Monthly Review Meeting with Project Coordinator, ICAR-AICRP on Fruits on 23.01.2023 through virtual mode.

Dr. G. Ramanandam, Principal Scientist (Hort.) & Head attended “Dr.YSRHU Interaction meeting with Private Industries and Firms to generate CSR funds for strengthening of its infrastructure” through virtual mode on 20.1.2023 organized by Dr. YSR Horticultural University, VR Gudem.

Dr. G. Ramanandam, Principal Scientist (Hort.) & Head participated virtual monthly review meeting of ICAR – AICRP on Fruits convened by the Project Coordinator (Fruits), AICRP on Fruits, IIHR, Bengaluru on 23.1.2023.

Dr K. Mamatha, Principal Scientist (Hort), HRS, Kovvur, participated in the Review meeting conducted by the Director and Project Coordinator, ICAR, CTCRI, and presented the brief achievements of the center on 27.1.2023.

Dr. M. Janaki, Scientist (Hort.) & Head, Dr. YSRHU - HRS, Peddapuram participated in the District Level Coordination Committee (DLCC) meeting for 2022-23 conducted by DAATT Centre, Peddapuram, ANGRAU on 31.01.2023.



Scientists of HRS, V.R.Gudem conducted Annual Group Meeting of AICRP on Cashew -2022 from 19th – 21st January, 2023 held at Dr.YSRHU - Horticultural Research Station, Venkataramannagudem.

On 30.01.2023 Dr.T.Vijaya Nirmala, Scientist (Veterinary Science) and Dr.K.Venkata Satish, Scientist (Horticulture), KVK, Venkataramannagudem participated in Scientific Advisory Council (SAC) meeting conducted at KVK, Undi, ANGRAU to discuss about the Kharif and Rabi 2022-23 workdone and also action plan for 2023-24.



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

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

Date	Topics	Scientist Name
17.01.2023	నువ్వుల సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.V. Deepthi Scientist (Ag. Extension), KVK, Venkaramannagudem
18.01.2023	కూరగాయ పంటలలో పురుగుల	Dr.K. Sireesha Sr. Scientist (Entomology), HRS, Lam
19.01.2023	ఉద్యాన పంటల లో యాంత్రికరణ ఆవశ్యకత	Sri.P.C. Vengaiiah
20.01.2023	సపోటా లో చీడపీడల యాజమాన్యం	Smt. Sunitha Scientist (Entomology),
21.01.2023	మిరప రకాలు నారుమడి యాజమాన్యం	Dr.C. Venkata Ramana Sr. Scientist (Hort.), HRS, Lam
23.01.2023	టిష్యూ కల్చర్ అరటి మొక్కలు నాటేటప్పుడు	Dr.K.Ravindra Kumar Sr. Scientist (Hort.), HRS, Kovvur
24.01.2023	చిరుధాన్యాలు - విలువ, జోడింపు విధానాలు, ఉపయోగాలు	Dr. B.S.Kanthi Sri Scientist (Home Science), KVK, Vonipenta
25.01.2023	కర్రపెండలంలో మొజాయిక్ తెగులు - లక్షణాలు, నివారణ.	Dr. M. Janaki Scientist (Hort.) & Head, HRS, Ped-dapuram
27.01.2023	మునగాకు విలువ ఆధారిత ఉత్పత్తులు ఆరోగ్యం మరియు వ్యవస్థాపకత అభివృద్ధి	Dr. B. Vijayasree Scientist (Home Science), KVK, Periyavaram
28.01.2023	మామిడిలో కొమ్మ కత్తిరింపుల ప్రాధాన్యత మరియు సమగ్ర ఎరువుల యాజమాన్యం	Dr. G. Sravanthi Scientist (Entomology), MRS, Nuzvid

30.01.2023	అరటి లో అధిక దిగుబడులకు సూచనలు	Dr.R. Nagalakshmi Sr. Scientist (Hort.), HRS, Kov- vur
31.01.2023	ఇ-మార్కెటింగ్ మరియు ఇంటర్నెట్ ఆధారిత వ్యవసాయ సేవలు	Dr. R. Praveen Babu Scientist(Ag. Extension), 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 January second fortnight, 2023.

Date	Topic	Scientist Name
20.01.23	పూల సాగులో నాణ్యమైన అధిక దిగుబడులు పొందటానికి చేపట్టవలసిన చర్యలు	Dr.A.V.D.Dorajee Rao Professor (Horticulture) Dr.YSRHU-CoH, V.R.Gudem
23.01.23	కొబ్బరి సాగులో పోషక లోపాలు మరియు దిగుబడులు తగ్గటం వంటి సమస్యలు నివారణ చర్యలు	Sri.A.Kireeti Scientist (Horticulture) Dr.YSRHU-HRS, Ambajipeta
27.01.23	శీతాకాలంలో ఉద్యాన పంటలలో	Dr.T.Kranthi Kumar Dr.YSRHU-KVK, Pandirima- midi
30.01.23	ఆంధ్ర ప్రదేశ్ వాతావరణానికి అనుకూలమైన అలంకరణ మొక్కలు పెంపకం గురించి సమగ్ర సమాచారం	Dr.T.Suseela Professor (Horticulture) Dr.YSRHU-COH, V.R.Gudem

General



Dr. T. Nagalakshmi, Senior Scientist (Pl. Path.), Dr. D. Aparna, Senior Scientist (Hort.) and Dr. P. Sunitha, Senior Scientist (Ento.) participated and presented research programmes in 30th Annual Group Meeting of AICRP on MAP & Betelvine on 23-24th January, 2023 at Anand Agricultural University, Anand, Gujarat.

Publications

Ruth C, Gopal K and Swarajyalakshmi K. (2022) "Isolation and Identification of Turmeric rhizome rot associated Pathogens, Characterization of penicillium sps. and management of rhizome rot in Turmeric (*Curcuma longa*. L.). Frontiers in Crop Improvement, Vol 10, page no. 2289-2296 (special issue-V).

Booklet on Kobbari lo sankarikaarana, sankara jathi mukkala uthpathi. A. Kireeti, G. Koteswara Rao, B. Neeraja, V. Anoocha, V. Govardhan Rao, NBV Chalapathi Rao and B. Srinivasulu.

Superannuation

Sri. C. Muragaiah, Watchman, Dr. YSRHU-CRS, Tirupati retired on 31.01.2023 on attaining superannuation.

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