



Fortnight Focus

- The Events
- Education
- Research
- Extension
- General

From Vice-Chancellor's Desk

DRY FLOWER TECHNOLOGY: WOMEN EMPOWERMENT

Dr.YSR Horticultural University (Dr.YSRHU) has declared year 2020-21 as Dr.YSRHU Year of Women Empowerment. Under this umbrella university has conducted webinars / programmes specific to women.

Dr.YSRHU has established **Horticultural Skill Training Centre** at KVK, Venkataramanna-gudem and Skill training programmes on ten modules are being conducted to farmers, rural youth and women, includes skill training on Dry Flower Technology to women specifically.

Dr.YSRHU has made a remarkable step forward by establishing “Women Training Centre for Making Value Addition to Worshipped Flowers” at Dr.YSRHU-Citrus Research Station, Tirupati in collaboration with & financial support of Tirumala Tirupati Devasthanams (TTD) and skill training programmes on Dry Flower Technology are being conducted by utilizing worshipped flowers.

The women trainees are being engaged in making value added products from dry flowers viz., photo frames, garlands, three dimensional mementoes of Swamy varu, pot pourries, bookmarks, resin products and decorative articles made with worshipped flowers. - A Success Story of Women empowerment .

30/10/21

Dr T.Janakiram
Vice-Chancellor

The Events

Hon'ble Chief Minister presented with TTD-DR.YSRHU Poola Prasadam

Hon'ble Chief Minister of Andhra Pradesh Sri Y.S. Jagan Mohan Reddy garu presented with TTD-Dr.YSRHU first Poola Prasadam (Lord Sri Swamy varu photo frame made with worshipped flowers) at Tirumala by Dr.S.Jawahar Reddy garu, IAS, Executive Officer, TTD on Garuda Seva Day (11 October 2021) of Brahmotsavulu.



TTD-Dr.YSRHU Prohject: Launching of value added products from worshipped flowers



Hon'ble Chief Minister of Andhra Pradesh, Sri Y.S. Jagan Mohan Reddy garu visited the Dr.YSRHU display stalls on value added products from worshipped flowers on 12 October 2021 at Annamayya Bhawan, TTD, Tirumala. Sri Kurasla Kannababu garu, Hon'ble Minister for Agriculture & Co-operation, Marketing & Food Processing, Govt. of A.P, Sri Y.V.Subba reddy garu, Chairman, TTD, Dr.S.Jawahar Reddy, IAS, Executive Officer, Dr.Dharma Reddy, IAS, Additional Executive Officer, smt.S.Bhargavi, IAS, JEO, Sri Veera Brahmam, IAS, JEO, Dr.Ramana Prasad, Deputy Executive Officer, TTD have accompanied. Dr. T. Janakiram Vice-Chancellor Dr. YSRHU has explained about the products. Dr. B. Srinivasulu, Director of Extension, Dr. R.V.S.K. Reddy Director of Research, Dr. E. Karuna Sree, Principal Scientist & Head, KVK, V.R.Gudem and Dr. R. Nagaraju Principal Scientist & Head, CRS, Tirupati from Dr.YSRHU have participated in the programme along with women trainees.



Mahatma Gandhi 150th Jayanthi Celebrations

151th birth anniversary of Mahatma Gandhi was celebrated at Administrative office, all the constituent colleges, Research Stations and Krishi Vigyan Kendras of Dr. YSRHU on 2 October 2021. Dr T.Janakiram, Hon'ble Vice-Chancellor, Dr.YSRHU paid floral tributes to Bapuji at Administrative office. All the university officers and staff have participated in the program.

Success Meet of "Vice-Chancellor to Village" program "మన గ్రామం-మన విశ్వవిద్యాలయం"



On 2 October 2021, Success Meet of flagship program "Vice-Chancellor to Village" program "మన గ్రామం-మన విశ్వవిద్యాలయం" was held under the chairmanship of Dr.T.Janakiram, Hon'ble Vice-Chancellor in the presence of all the university officers, teaching and non-teaching staff of Administrative Office and various institutes under Dr.YSRHU in a virtual mode. Later a booklet "Vice-Chancellor to Village 2020-21" was released.



Education

International Conference

Ten students from the College of Horticulture, Anantharajupeta and 15 students from College of Horticulture, Venkataramannagudem accompanied by Dr. Syed Sadarunnisa (Professor, Hort. COH, Anantharajupeta) and Dr. E. Padma (Associate Professor, Hort. COH, VR Gudem) attended the International Conference on Moringa "The Super Food" Research Status, Scope and Way forward held at Horticultural College & Research Institute, Periyakulam from 6th to 8th October 2021.



NSS Activities

On the occasion of Gandhi Jayanthi "Hostel room cleanliness competition" was conducted to hostel residents of Both boys and Girls hostels, CoH, Anantharajupeta. The importance of keeping the surroundings clean, was explained to the students. Dr.K.Swarajya Lakshmi explained the students about, the famous quote of Mahathma Gandhi "Cleanliness is Godliness" and Our prime minister's slogan "Swatch Bharath". All the hostel rooms were inspected by Dr. K. Swarajya Lakshmi prof (Hort) and three best rooms selected. The prizes were distributed to the winners, to encourage sportiveness in students and to inculcate the habit of keeping their premises clean. All students have participated in "Sramadanam" hostel premises cleaning program at their respective hostels.



Planting of Jack Fruit grafts

Planting of 10 varieties of Jack Fruit grafts procured from UAS, GKVK, Bengaluru was conducted on 5 October 2021 at horticultural Polytechnic, Kalikiri. Dr.K.Mallikarjun, (Horticulturist) and Mr.S.Prakash Reddy, (Agriculture Engineer) made square planting system layout and pits were dug

by JCB for planting of grafts. The pits are filled with a mixture of Soil, SSP and Vermicompost for better initial plant growth. Later Teaching, Non-Teaching and 1st year Diploma students have actively participated in planting programme.



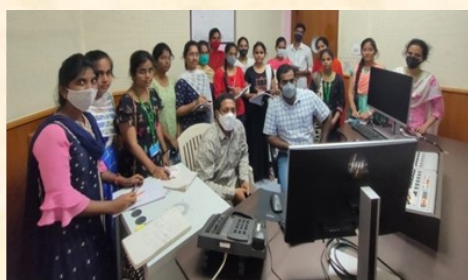
RHWEP Activities

On 6 October 2021, KVK Venkataramanangudem conducted review meeting to RHWEP students from West Godavari district attached to KVK. In this meeting scientists explained about their mandate activities and also got clarified their daily field problems with respective disciplines. Dr. E. KarunaSree Principal Scientist and Head and Dr. K. VenkataSubbaiah, Scientist (Horticulture) and RHWEP incharge has co-ordinated the programme. Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has took a theoretical and practical session on “Fisheries based Integrated Farming Models for enhanced income to the farming community”



On 12 October 2021, as a part of RHWEP student’s activities, KVK, Venkataramannagudem conducted vocational training program on “Protected cultivation of high value Horticultural crops”. In this training Dr. M. RavindraBabu, Senior scientist and PI of COE, HRS, VR gudem explained about high tech nursery, potting media selection, preparation, primary and secondary nursery, poly house cultivation of chrysanthemum, cap-sicum, cucumber and suitable varieties and climate etc. This program was coordinated by Dr. K. VenkataSubbaiah, Scientist (Horticulture), KVK, Venkataramannagudem.

The RHWEP students under KVK, Vonipenta conducted the activities like establishment of information corners, conducted Method demonstrations, conducted Participatory Rural Appraisal techniques and time line in villages, visits to the farmers fields and provided suitable and necessary information to the farmers.



On 8 October 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta organized an exposure visit to the RHWEP students to All India Radio station, Kadapa. In this programme All India Radio-Engineering Assistant explained the method of recording of programmes at radio station and Programme Executive explained all functions and activities in radio

station.

Research

A Total of 185 open pollinated seeds were collected, maintained and evaluated at HRS, Peddapuram for higher yield and betacarotene content and observed wide diversity among the progenies in morphological characters and flesh colour of the tubers. Many orange fleshed lines were identified and kept for further evaluation.



Extension Activities

Dr.YSRHU Year of Citrus 2021-22

On 1 October 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram visited acid lime orchard at Kotambedu Village of Balayapalle Mandal. Created awareness on flowering regulation practices in acid Lime for higher yields in summer.



Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram visited acid lime orchard at Melchuru village of Balayapalle Mandal on 5 October 2021. Observed gummosis on main stem and suggested to remove diseased bark along with a buffer strip of healthy bark around the margins of the infection followed by application of Bordeaux paste, soil drenching with carbendazim @1gm/ liter of water/sq.m area of plant basins and to adopt double ring basin system of irrigation to avoid soil borne fungal diseases in acid lime orchard.

Vice-Chancellor to Village Activities

Dr. Ch.Ruth, Professor (Pl.Path), Dr.K.Swarajyalakshmi, Professor (Hort.) and Dr. C. Chandramohanreddy, TA, CoH, Anantharajupeta visited adopted village, Venkatareddypalli on 12 October 2021. Observed chillies, tomato, brinjal and Marygold crops in farmer fields. Observed dieback & fruit rot, leaf curl virus, cercospora leaf spot and fruit & shoot borer and suggested rouging of infected plants & spraying of hexaconazole 2ml + dimethoate 2 ml/l of water in chillies. Observed fruit and shoot borer in brinjal and suggested spraying of emamectin benzoate 0.3ml/l and basal application of potash 20 @ kg/acre after pinching of affected brinjal shoots.



Scientific staff Dr.M.RavindraBabu, Dr. D.Aparna, and Smt. P. Sunitha, conducted diagnostic field visit on 4 October 2021 in citrus orchards at adopted village, Ramannagudem under VC to Village programme. Farmers were advised to take spraying of Azadirachtin 10,000ppm @ 2ml/lit in initial stage of leaf miner incidence while spraying of profenophos @ 2ml/lit during high incidence at fortnight interval. Further farmers were explained about sucking pests and lepidopteran pests on citrus crop.



On 5 October 2021, Dr.P.Manjari, Scientist, Veterinary Science, KVK-Periyavaram under the flagship of “VC to Village” training programme conducted on “Disease Management in Sheep and Goats” at Siddavaram village of Venkatagiri mandal for farmers and farm women and acknowledged the farmers regarding the common diseases encountered by sheep and goats with emphasis on prevention and treatment of foot rot disease and parasitic infestation as the incidence is high during rainy season and usage of herbal acaricide against ectoparasites (ticks and mites) as compared to synthetic pyrethroids to prevent the chance of poisoning.

Dr.K.Uma Maheswari, Sr.Scientist(H), CRS, Petlur conducted an awareness training program at High School of adopted village ie., G.K.Palli under Vice Chancellor to village program on the topic " Career opportunities in horticulture and allied sectors" on 7 October 2021.



Conducted training on fertilizer application to fruit orchards and ornamental plants to 1st year Diploma students at HPT, Kalikiri on 1 October 2021. Dr.C.N.Byanna, Principal explained briefly about the different fertilizers, their uses and methods of application in different fruit crops. Later Urea, SSP, DAP, MOP fertilizers and vermicompost were mixed and applied to Jamun, tamarind and lime plants. In this programme, Dr.C.N.Byanna, Principal, Dr.K.Mallikarjun, Horticulturist, Sri.M.Eswar Naik, Entomologist and 1st year Diploma students and non-teaching staff have actively participated in this training programme.

Dr K Mamatha, Principal Scientist (Horticulture), HRS, Peddapuram visited Anganwadi center at the adopted village and conducted awareness programme on the importance of Nutrition garden/ Kitchen Garden to the self help groups and Anganwadi staff and distributed seed of different vegetable crops and sweet potato cuttings on 11 October 2021. Provided technical information on pest and disease management in cassava and improved cultivation practices in sweet potato to the RBK staff.



Under VC to Village programme, scientific staff of HRS, V.RGudem distributed medicinal plants and vegetable seedlings to Zilla Parishad High School, students, Ramannagudem to raise in their school premises on 1 October 2021. On this occasion an awareness class on nutritional importance of medicinal and vegetable plants was conducted to the school children.

KVK, Periyavaram conducted Special Swachhata Campaign on 6 October 2021 in the adopted village Siddavaram. Dr.B.Govindarajulu, Principal Scientist & Head enlightened farmers, women, NGO team and school children on Conservation of natural resources for clean and green environment and COVID appropriate behavior, Dr.P.Manjari, Scientist (Veterinary Science) explained about the prevention of spread of diseases from animals to human beings, Dr. K Mallikarjunarao, Research Associate (Horticulture) explained about the adverse impact of crop residue burning on the environment and soil health and sustainable management practices for crop residue. Demonstrated preparation of waste decomposer solution and its use in Agri-Horticultural crops to create wealth. Ms.K.Sravani, Research Associate (Agricultural Extension) created awareness on adoption of quality farm products for higher returns to the farmers. Dr.B.Vijayasree, Research Associate (Home Science) as in-charge of Special Swachhata Campaign co-ordinated the programme and acknowledged that Cleanliness (Personal, environmental and ecological) at home as well as farm and created awareness on transformation of Waste to Wealth.



Field Day

On 4 October 2021, KVK, Periyavaram organized a field day on groundnut variety, Dheeraj (TCGS 1073) cultivated under CFLD -Oilseeds under NFSM-2020-21 sponsored by ICAR-ATARI ZONE -X at Maratpalli village of Venkatagiri Mandal. Scientists interacted with the farmers regarding the variety and also conducted crop cutting experiment. Dheeraj (TCGS 1073) comparatively performed better in all aspects than that of local variety. Dr.B.Govinda Rajulu, Principal Scientist (PP) & Head, KVK, Periyavaram, Ms. K. Sravani, Research Associate (Extension) and Dr. K. Mallikarjunarao, Research Associate (Horticulture) co-ordinated the programme.



On 9 October 2021, KVK, Periyavaram organized a field day on groundnut variety, Nitya Haritha (TCGS 1157), short duration variety cultivated under CFLD-Oilseeds under NFSM-2020-21 sponsored by ICAR-ATARI ZONE -X at Sydadupalli village of Rapur Mandal. Dr.B.Govinda Rajulu, Principal Scientist (PP) & Head and

Ms. K. Sravani, RA (Extension) interacted with the farmers regarding the variety and also conducted crop cutting experiment. Nitya Haritha (TCGS 1157) comparatively performed better with good yield than the local variety.

Front Line Demonstrations

On 11 October 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram conducted FLD programme on "Demonstration of Integrated Crop Management Practices in Brinjal" at Palakonda Satram village, Venkatagiri Mandal. Enlightened farmers about ICM Practices in brinjal and installed the pheromone traps and sticky traps for monitoring and mass trapping of pests.



On 6 October 2021, Dr.V.Deepthi, Scientist (Agril Extension), KVK, V.R.Gudem visited the CFLD black gram fields in Telikicharla village of Nallajerla mandal .crop is in flowering stage (35 days) and suggested spraying of neem oil 5 ml/lit against the spotted pod borer in black gram.

Dr.E.KarunaSree, Principal Scientist & Head, and Dr.A. Devivaras Reddy, Scientist, KVK, V.R.Gudem has visited the nutria kitchen garden model for follow-up visit and improvement of model for elevating the nutritional security and livelihood to the tribal farming community. Vegetable seedlings, seeds and essential materials were distributed for maintaining the community kitchen gardening at East Rekulakunta and Ravigudem villages on 6 October 2021.



Dr.E.KarunaSree, Principal Scientist & Head, and Dr.A.Devivaras Reddy, Scientist, KVK, V.R.Gudem has distributed the improved fodder seeds like fodder cowpea, COFS 31, and hedge lucerne to the dairy farmers of East Rekulakunta village for improving the milk production and green fodder availability under the technical program of KVK on 6 October 2021.

Training Programmes

On 3 October 2021, Dr. M. Raja Naik, Associate Professor [Horticulture], CoH, Anantharajupeta attended training program as resource person to input dealers cum farmers on "Maintenance of mother plants for terminal cuttings, propagation, nursery development and protected cultivation of chrysanthemum under Naturally [Top] Ventilated Polyhouse and Shade net conditions" organised by NTI, ATMA, Chittoor Dist. under DAESI program 2020-21 at Kalikiri.



Dr. M. Raja Naik, Associate Professor [Horticulture], College of Horticulture, Anantharajupeta attended training program as resource person on 10 October 2021 to input dealers cum farmers on "Advanced production and plant protection technology of marigold, crossandra and tuberose" organised by NTI, ATMA, Chittoor Dist. under DAESI program 2020-21 at Madanapalle.

Dr.K.Uma Maheswari, Sr.Scientist (Horticulture), CRS, Petlur participated in a training program as resource person conducted by Department of Horticulture, on "Arati, kobbari pantalapai rythu sikshana kaaryakramamu" and "Kooragaayala saagupai rythu sikshana kaaryakramamu" at FTC, Gudipallipadu on 8 October 2021.



Dr K Mamatha Principal Scientist (Horticulture), HRS, Peddapuram participated in one day workshop on organic farming organized by ATMA East Godavari District, at Krishibhavan, Kakinada on 6 October 2021 where more than 100 farmers have participated in the programme. Explained about the importance of organic farming in Horticultural crops and given the information on organic production technologies in horticultural crops developed by the University.

A training programme on Scientific management practices for higher yields in Cassava was organized by HRS, Peddapuram under SCSP of AICRP on tuber crops on 12 October 2021 and created awareness among the farmers on improved varieties and technologies.



On 5 October 2021, Dr.V.Deepthi, Scientist (Agril Extension) and Sri G,Shaliraju, Scientist (Entomology), KVK, V.RGudem attended the village level agricultural advisory board meeting in Nallajerla. In this meeting delivered lectures on FPOs Importance and spiraling whitefly management in orchards.

On 12 October 2021 Dr.V.Deepthi, Scientist (Agril Extension), KVK, V.RGudem attended the district level workshop on the implementation of organic farming in the west Godavari district. In this workshop discussed the various organic farming related issues. This workshop was organized under the chairmanship of Joint Director of Agriculture, Eluru.

On 1 October 2021, Dr. K. VenkataSubbaiah, Scientist (Horticulture), KVK, Venkataramannagudem attended as resource person for one day training program organized by the Department of Horticulture and Sri Lakshmi Ganapathi Horticultural FPO Limited on “Best Management practices in banana for quality improvement” at Lingagudem village of Chinthalapudi mandal.



One day awareness programme on Bio-diversity was organized to the students and farmers at KVK, Venkataramannagudem on 06.10.2021. Sri.Nalini Mohan IFS Senior Chief Conservator of Forests and Member Secretary, Andhra Pradesh State Biodiversity Board has participated as Resource person and explained about the importance of Bio-diversity in Horticulture Sector. Dr. T. Janakiram Vice-Chancellor Dr. YSR Horticultural University has participated as chief guest in the august presence of Dr. R.V.S.K. Reddy Director of Research and Dr. B. Srinivasulu Director of Extension , Dr. K. Gopal Registrar, Dr. A. Sujatha Dean of Student Affairs and Dr. K.Dhanunjaya Rao, DIIP. Dr. E. KarunaSree Principal Scientist and Head welcomed the guests and co-ordinated the Programme.

KVK, Dr.YSRHU, Venkataramannagudem has created an awareness campaign on “Swatchhta he Sewa” programme on the eve of special Swahhta Day as part of Azadika Amrit Mahotsav on 6 October 2021 in the villages of Ravigudem and East Rekulakunta. Enlightened on importance of general cleanliness at home and farm, adoption on practices for improvement of quality farm produce, crop residue management and creating wealth from the farm and home waste to the rural youth, men and women farmers and this program was coordinated by Dr.E.KarunaSree, Principal Scientist & Head, and Dr.A.Devivaraprasad Reddy, Scientist, KVK, VRGudem.



KVK, Dr.YSRHU, Venkataramannagudem has conducted the one day capacity development training program on “BMPs on shrimp farming” to the extension functionaries and farmers on 7 October 2021. In this program, Dr.A.Devivaraprasad Reddy, Scientist has explained about best management practices to be followed during the rainy season & winter season and other generalized procedures to be followed for improvement of production and productivity of the shrimp farms.

On 11 October 2021, KVK, Venkataramannagudem conducted training program on solanaceous vegetables (Tomato and chilli) cultivation with improved practices in Rabi season and also distributed tomato hybrid Arka Abhed and ArkaSamrat seedlings and also chilli hybrids ArkaKhyathi and ArkaSwetha seedlings to the chilli farmers under Rabi technical programme during 2021-22. In this program 15 farmers have participated.

On 11 October 2021, KVK, Venkataramannagudem conducted training program on solanaceous vegetables (Tomato and chilli) cultivation with improved practices in Rabi season and also distributed tomato hybrid Arka Abhed and ArkaSamrat seedlings and also chilli hybrids ArkaKhyathi and ArkaSwetha seedlings to the chilli farmers under Rabi technical programme during 2021-22. In this program 15 farmers have participated.



On 6 October 2021, KVK, Vonipenta conducted off campus training programme to farmers and farm women on ICM and value addition in Horticultural crops at Somireddipalli village of B.Mattam mandal. During the programme, Scientist & Head explained value addition in Tomato, Banana and Acid lime and importance and formation of FPO groups in villages and explained the importance of kitchen gardens. R.A (Horticulture) explained about Integrated crop management in tomato, banana and acid lime followed by providing seed kits to farmers and farm women. Dr. Srividya Rani.N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture) coordinated the programme.



On 6 October 2021, KVK, Vonipenta conducted off campus training programme on pest and disease management in cotton and paddy, at Somireddypalli village. During the programme Ms. K. Prasindhu, Research Associate (Plant Protection) had interacted with farmers regarding cotton and paddy crops and explained the importance and methodology of stem application to control the sucking pest complex in cotton and

clipping of leaf tips of seedlings while transplanting rice to control the rice hispa and also the management of various pests and diseases in cotton and paddy crops. Dr. S. Lavanya Research Associate (Livestock production) explained the importance of backyard poultry rearing, management practices, incidence of diseases and control measures regarding seasonal diseases. In this programme about 60 farmers and farm women have participated. Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. S. Lavanya, Research Associate (Livestock production) coordinated the programme

Swachhata Hi Seva

KVK, Venkataramannagudem has initiated a program on "Swachhata Hi Seva (SHS)" to be celebrated from 2 to 31 October 2021 for the year 2021 as part of AzadikaAmritMahotsav. In this program, cleanliness of campus surroundings, museum, maintenance of farm, waste and plastic collection, removal of dry and waste leaves, compost preparation, vermi compost beds, etc. programmes were organized till date. In this program, all the teaching and non-teaching staff of KVK, visiting farmers, rural youth, and students have been actively involved and done their contribution towards SHS. This program was coordinated by Dr.E.KarunaSree, Dr.K.VenkataSubbaiah and Dr.A.Devivaraprasad Reddy.



From 2 to 15 October 2021, KVK, Vonipenta conducted cleanliness drive under the Swachhta Action plan at KVK, Vonipenta, Anganwadi centre, Somireddypalli and Elementary School, Adireddypalli. Under this programme the Scientist and head explained the importance of cleanliness at home, school, office and farm premises. In this programme KVK staff, students, anganwadi workers, farmers and farm women have participated in swachhta activity.

Diagnostic Visits

Dr.Ch.Ruth, Professor (Pl.Path) and Dr.K.Arunodhayam, Asst. Professor (Pl.Path), CoH, Anantharajupeta visited Onion and banana fields in Sirirajupalli, Kurukuntlapalli villages of Govindapalli panchayat. Visited banana cv.Amruthapani fields at Bommavaram village of YSR Kadapa district on 1 October 2021. Identified the symptoms of twist blight and thrips incidence in onion crop and Panama wilt + rhizome weevil in banana. Suggested to follow crop rotation and spraying of chlorothalonil 2g./L. with fipronil 2ml/L. of water in onion crop. For Panama wilt, suggested drenching of Carbendazim 2g./L. of water and Cartap Hydro Chloride granules 40g. per banana plant.



On 04 October 2021, Dr. K. VenkataSubbaiah, Scientist (Horticulture), KVK, Venkataramannagudem went to Madhavaram and Amruthapuram villages for diagnostic field visit to ridge gourd, okra and bitter gourd and suggested clean cultivation and suitable remedial measures to be taken in respective crops.

On 8 October 2021, Dr. D. Devika Rani, RA (Entomology), HRS, Ambajipeta conducted roving survey in Entricona, Gubbalavari palem, Kodurupadu villages of East Godavari district and fixed plot survey in Samanthakurru village, Allavaram mandal of East Godavari district and recorded pests of coconut viz rhinoceros beetle, red palm weevil, eriophyid mite, rugose spiralling whitefly and bondar nesting whitefly.



On 1 October 2021, Dr. Srividya Rani.N, Scientist &Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited Sweet Orange fields for diagnosis of pests and diseases at Nagasanipalle village of Khajipet mandal. Observed mites infestation and suggested to spray Spiromesifen @ 0.8 m.l/lit to manage pest.

On 1 October 2021, Dr. Srividya Rani.N, Scientist &Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited turmeric fields for diagnosis of pests, diseases and nutrient deficiency at Nagasanipalle village of Khajipet mandal. Identified the iron deficiency in turmeric field and also suggested to spray ferrous sulphate @ 5 gm/lit to rectify iron deficiency.



On 1 October 2021, Dr. Srividya Rani.N, Scientist &Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited chilli field for diagnosis of pests and diseases at Nagasanipalle village of Khajipet mandal. Observed downward curling of leaves and suggested to spray Dicofal @ 0.5% to manage the disease.

On 4 October 2021, Dr. Srividya Rani.N, Scientist &Head, KVK, Vonipenta along with RHWEP students had visited Onion fields for diagnosis of pests and diseases at Kesalingayapalli village of Mydukur mandal. Observed the basal rot disease in Onion and suggested drenching with Ridomil @ 0.25% to the disease infested and surrounding plants to control the spread of basal rot disease in Onion.



On 6 October 2021, Dr. Srividya Rani.N, Scientist &Head, Dr. V. Yugandhar, Research Associate (Horticulture), Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. S. Lavanya, Research Associate (Livestock production), KVK, Vonipenta visited Banana fields at Somireddipalli village of B.Mattam mandal. The scientists observed erwinia rot infestation in banana and suggested for removal and destruction of infected plant followed by application of bleaching powder @ 25 gms/litre or *Pseudomonas* @ 50 gms/litre before planting the new banana plant for gap filling.

On 6 October 2021, Dr. Srividya Rani.N, Scientist &Head, Dr. V. Yugandhar, Research Associate (Horticulture), Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. S. Lavanya, Research Associate (Livestock production), KVK, Vonipenta visited paddy fields at Somireddipalli village of B.Mattam mandal. Scientists explained about fertilizer management, pest and disease management at milky grain stage in paddy.



On 11 October 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited black gram fields for diagnosis of pests and disease incidence at Madirepalli village of Duvvuru mandal. Observed gram pod borer infestation and suggested to spray NSKE @ 5% twice followed by triazophos @ 0.05% and Install pheromone traps at a distance of 50 m @ 5

traps/ha for pest control.

On 12 October 2021, Dr.T.Susila, Senior Scientist (Horticulture) & Head, Mr. Shaik Moulana, Research Associate (Hort.) and Ms. D. Anusha, Research Associate (Pl.Path.), BRS, Pulivendula visited banana plantations, chrysanthemum, papaya fields in Velpula, Vemula villages of Vemula mandal and Vempalli village of Vempalli mandal and suggested bunch management in banana for enhancing bunch yield, control measures for Sigatoka leaf spot disease in banana, thrips in Chrysanthemum and Papaya mosaic virus.



On Farm Trial

On 1 October 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta initiated OFT on Introduction of groundnut hybrid K9 at Gudipadu village of Duvvur mandal. The scientist provided groundnut seed (K9 and K6 seed) to the beneficiary farmers and explained the seed treatment method and management practices in groundnut crop.



On 4 October 2021, K. Prasindhu, Research Associate (Plant Protection) and other KVK staff conducted Follow up visit on OFT: Assessment of Management of Root knot nematode in Guava at Adireddypalli village of Mydukur Mandal. Scientists demonstrated the management of root knot nematode by following inter cultivation of marigold followed by basal application of *Trichoderma viride* @100g and *Pseudomonas fluorescence* @100g and *Paecilomyces lilacinus* @ 25 ml multiplied in FYM @ 2kg per plant.

On 5 October 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), Dr.Srividya Rani.N, Scientist and Head and RA (Plant Pathology) from Krishi Vigyan Kendra, Vonipenta, initiated OFT entitled with Assessment of black gram variety TBG 129 at KVK, Vonipenta. The scientist provided black gram Seed (TBG 129) to the beneficiary farmers and explained the seed treatment method and management practices in black gram crop.



On 6 October 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta initiated the OFT entitled with Assessment of viral disease management in blackgram. Ms. K. Prasindhu, Research Associate (Plant Protection) interacted with farmers regarding blackgram crop and explained the importance of GBG-1 variety which is tolerant to yellow vein mosaic virus and provided black gram seeds of GBG-1 variety to the farmers of Ganjikunta and madirepalli villages.

On 11 October 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited onion fields for follow up under OFT at Madirepalli village of Duvvur mandal. During the visit scientist collected data and explained about fertilizer management and disease management during the initial plant development stage.



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

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

Date	Topics
01.10.2021	టమాటలో మెరుగైన సాగు పద్ధతులు డా.ఎం.జి.బాల హుస్సేని, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, మదనపల్లి
04.10.2021	చీని,నిమ్మ లేత తోటలలో చేపట్టవలసిన యాజమాన్య పద్ధతులు డా.ఆర్.నాగరాజు, ప్రధాన శాస్త్రవేత్త & హెడ్, చీని, నిమ్మ పరిశోధన స్థానం, తిరుపతి
05.10.2021	పుట్టగొడుగుల సాగు శ్రీ.జి.శాలిరాజు, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం

Date	Topics
06.10.2021	అరటిలో వివిధ ధాతువుల లోపాలు వాటి నివారణ డా.జి.రామానందం, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, కొవ్వూరు
07.10.2021	బొప్పాయిలో సమగ్ర సస్య రక్షణ డా.టి.నాగలక్ష్మి, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతరాజుపేట
08.10.2021	ఔషధ పంటల సాగు డా.డి.అప్పర్ల, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, వెంకటరామన్నగూడెం
11.10.2021	చీని, నిమ్మ తోటలలో సూక్ష్మ ధాతు లోపాలు – నివారణ డా.సి.మధుమతి, ప్రధాన శాస్త్రవేత్త & హెడ్, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
12.10.2021	చేపలు మరియు రొయ్యల పెంపకంలో జీవ భద్రత యొక్క ప్రాముఖ్యత డా.ఎ.దేవివరప్రసాద్ రెడ్డి, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
14.10.2021	మిరపలో తెగుళ్ళ యాజమాన్యం శ్రీమతి టి.విజయలక్ష్మి, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లామ్

“Udyana Vani” programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following “Udyana Vani” Programs during the first fortnight of October, 2021.

Date	Topics
01.10.2021	పనస సాగులో మెళకువలు; పెరటి తోటల పెంపకం
04.10.2021	చీని, నిమ్మ సాగులో మెళకువలు
05.10.2021	పెరటి తోటల పెంపకం
06.10.2021	కూరగాయల సాగులో తెగుళ్ళ యాజమాన్యం
07.10.2021	పువ్వులు మరియు కూరగాయల సాగులో కలుపు యాజమాన్యం
08.10.2021	బంతి పూల సాగులో యాజమాన్య పద్ధతులు
11.10.2021	దొండ సాగులో యాజమాన్య పద్ధతులు
12.10.2021	టిఫూకల్చర్:అరటి సాగులో సమగ్ర పోషక యాజమాన్యం
14.10.2021	కంద సాగులో యాజమాన్య పద్ధతులు

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 first fortnight of October, 2021.

Date	Topic	Scientist Name
04.10.2021	గులాబీ సాగులో యాజమాన్య పద్ధతులు	Dr.A.V.D.Dorajeerao, Professor (Hort.), CoH, V.R.Gudem
08.10.2021	మిరపలో అంతర కృషి, సస్యరక్షణ మరియు పచ్చి కాయ ఏరుట	Dr.A.Rajani, Sr.Scientist (Hort.), HRS, Lam
11.10.2021	ధనియాల సాగులో యాజమాన్య పద్ధతులు	Dr.K.Giridhar, Sr.Scientist (Hort.), HRS, Lam

Phone-in Live Programmes

Dr.M.Ravindra babu, Senior Scientist, HRS, Venkataramannagudem attended Phone-in-live programme on “Good Agricultural Practices in Cool Season Vegetables” at All India Radio, Vijayawada on 11 October 2021.

TV programmes

Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) & Head, HRS, Ambajipeta gave a programme on “Kobbari rakalu – Adhika digubadi Sadinchataniki Teesukovalasina Melaina Yajamanya Padhatulu” through Doordarshan Kendra, Vijayawada on 5 October 2021.

General

Meetings

Dr.G.Ramanandam, Principal Scientist (Hort.)& Head participated in the “Awareness programme on Germplasm Registration in Horticultural crops” being organised by Germplasm Advisory Committee, ICAR – IIHR, Bengaluru. through virtual mode on 1 October 2021.

Dr.G.Ramanandam, Principal Scientist (Hort.) & Head have attended the monthly review meeting of ICAR- AICRP on Fruits as Office Incharge / Nodal Officer being organized by Project Coordinator, AICRP on Fruits through online followed by Tribal Sub Plan review meeting and briefed the progress made on 8 October 2021.

Dr.G.Ramanandam, Principal Scientist (Hort.)&Head attended the AICRP (Fruits) virtual review meeting of AICRP centres on Banana jointly by The Director, National Research Centre Banana (NRCB) and Project Coordinator, AICRP on Fruits, IIHR, Bengaluru and presented the progress and status of various experiments assigned to Kovvur center through virtual mode on 12 October 2021

Patron: **Dr T.Janakiram**, Vice-Chancellor

Editors: **Dr B. Srinivasulu**, Director of Extension
Dr R.V.S.K.Reddy, Director of Research
Dr K.Gopal, Registrar

Sub-Editor : **Sri K.Ratna Kishore Babu**, Public Relations Officer

Dr Y.S.R. Horticultural University

Administrative Office, Venkataramannagudem-534 101,

West Godavari district, Andhra Pradesh

[Visit our website at www.drysrhu.ap.gov.in](http://www.drysrhu.ap.gov.in)