



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

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From Vice-Chancellor's Desk Dr.YSRHU MOVING TOWARDS MoUs

Dr YSR Horticultural University (Dr.YSRHU) is functioning with a mandate to develop human resource through Education, Research and Extension in Horticulture and allied sectors.

Dr.YSRHU has signed Memorandum of Understanding (MoU) with prestigious National and International Institutes such as Protection of Palnt Varieties& Farmer's Rights Authority, Govt. of India, New Delhi; Biodiversity International, New Delhi; IIHR, Bengaluru; CPRI, Shimla; CRIDA, Hyderabad; NIPHM, Hyderabad; Central Soil Salinity Institute, Karnal; UAS, Dharwad; IGKV, Raipur; Acharya N.G.Ranga Agricultural University, Guntur; Tamil Nadu Agricultural University, Coimbatore; Acharya Nagarjuna University, Guntur; Agriculture Skill Council of India (ASCI), Gurgaon; Society for Employment Generation and Enterprise Development in AP (SEED AP); M/s.Jain Irrigation Systems Limited (JISL), Jalgaon; Society for Elimination of Rural Poverty (SERP); NRC o Banana; NCR on Pomegranate; IIOPR, Pedavegi; CPCRI, Kasargod and DFR, Pune for collaborative research and extension activities including PG research.

Under commercialization of D.YSRHU technologies M/s.Cryptox Biosolutions, Perumchilambu, Velimalai Village, Tamilnadu, SSD, Kothapalli Village, Gopannapalem, Denduluru Mandal, West Godavari Dist and Godrej Agrovet Limited, Ch.Pothepalli, Dwaraka Tirumala Mandal, West Godavari Dist have entered MoU with Dr.YSRHU.

Kadiyam Nurseries have entered MoU with Dr.YSRHU to support horticulture farmers on proven technologies and developed varieties, exchange of plant genetic material, activities related to trainings and post graduate student research.

Dr T.Janakiram
Vice-Chancellor

The Events

Visit of Hon'ble Minister & Inauguration

Sri Kurasala Kannababu garu, Hon'ble Minister for Agriculture, Cooperation, Processing & Marketing, Government of Andhra Pradesh has visited University campus on 19 January 2021 and inaugurated "Processing & Skill training Centre" at KVK, University campus, Venkataramannagudem in the august presence of



Smt. Taneti Vanitha garu Hon'ble Minister for Women & Child Welfare, Government of Andhra Pradesh, Sri Kottu Satyanarayana garu Hon'ble MLA, Tadepaligudem Constituency and Sri Abbaiah Chowdhary garu, Hon'ble MLA, Dendulur constituency. Hon'ble Minister interacted with university officers and scientific staff of Dr.YSRHU.



Udyana Sandarashana-2021

Organized “Udyana Sandarashana-2021” at University campus, Venkataramannagudem on 25 January 2021 for the benefit of farmers, village Agriculture/ Horticulture Assistants of RBKs and field level extension officers of Department of Horticulture/ Agriculture. Dr. Arja Srikanth, IRTS, Special Secretary to Government, Managing Director & Chief Executive Officer, AP State Skill Development Corporation (APSSDC), Tadepalli visited as chief guest and inaugurated the exhibition stall in the presence of Hon’ble Vice-Chancellor, Dr. T.Janakiram. About 1500 nos. farmers and students from near by schools and colleges have attended the programme.



MoUs



Dr.YSR Horticultural University entered into MoU with ICAR-Indian Institute of Oil Palm Research (ICAR-IIOPR), Pedavegi, West Godavari District & Sir Arthur Cotton Nursery Farmers Association, Kadiyam, Rajahmundry, East



Godavari District entered on 19th January, 2021. The MoUs were exchanged in the august presence of Hon'ble Ministers, MLAs and People's representatives.

Republic Day Celebrations

Republic Day was celebrated at Dr.Y.S.R. Horticultural University Campus, all the constituent colleges, Research Stations and KVKs on 26 January 2021. Dr T.Janakiram, Hon' ble Vice-Chancellor hoisted the National flag at administrative office in the presence of University Officers, staff and students. Vice-Chancellor has given Republic Day message on this occasion and stressed all to rededicate themselves to the development of the nation.



Education

Parakram Diwas

Parakram Diwas was celebrated on the eve of 125th birth anniversary of Netaji Subhash Chandra Bose at CoH, Venkataramannagudem and Anantharajupeta on 23 January 2021. Elocution competitions were conducted on this occasion and prizes were distributed to the winners by the Associate Deans of College of Horticulture, Venkataramannagudem and Anantharajupeta.



Martyr's day

Martyrs' Day was celebrated on the death anniversary of Mohandas Karamchand Gandhi, at CoH, Anantharajupeta on 30 January 2021. Martyrs' Day or 'Shaheed Diwas' also aims at paying respect to the freedom fighters who gave up their lives in the fight for India's independence. The Associate Dean and staff paid tributes to Father of Nation on the occasion of Martyr's day.



Training Programmes



Horti Business Incubation Centre (HBIC), CoH, Venkataramannagudem conducted three days training programme on "Entrepreneurship development through low cost processing of fruits and vegetables" to the rural women and youth (girls) from 21 to 23 January 2021. Dr.T.Janakiram, Hon'ble Vice-Chancellor attended as Chief Guest and addressed the participants along with all university officers. The participants were trained in the preparation, preservation, packing and labeling of tomato ketchup, fruit squash and mixed fruit jam, low cost machinery for fruits and vegetables processing; Schemes promoting entrepreneurship in food processing sector and Digital marketing of value added products of fruits and vegetables.

In the valedictory session, Dr T.Janakiram, Hon'ble Vice Chancellor, Dr.YSRHU attended as Chief Guest, congratulated the participants and distributed the certificates. The training programme was coordinated by Dr K.Uma Jyothi, Associate Dean, Dr R.V.Sujatha, Associate Professor (Agriculture Economics), Dr V.Sudha Vani, Associate Professor (Horticulture), Dr D.R.Salomi Suneetha, Professor (Biochemistry) and Dr T.Suseela, Associate Professor (Horticulture).

Orientation to B.Sc. (Hons) Horticulture first year students

Orientation on academic curriculum to first year B.Sc. Hons. (Horticulture) students was conducted at CoH, Venkataramannagudem on 27 January 2021. Dr K. Uma Jyothi, Associate Dean coordinated the programme.

Research

Diagnostic Visits

Dr M.Kavitha, Senior Scientist (Plant Pathology), CRS, Petlur on 23 January 2021 conducted diagnostic field surveys of acid lime orchards at Vengamambapuram, Subramanyam and Balayapalli villages of Balayapalli mandal. Observed Greasy spot severity with heavy leaf fall in acid lime gardens of Vengamambapuram village. In most of the gardens surveyed drying of branches due to pink disease was observed. Bacterial canker was very severe on leaves, twigs and fruits in acid lime orchards of Balayapalli mandal. Spraying of Carbendazim @ 1g/lt for Greasy spot and pink disease and copper oxy chloride (3g/lt)+ streptomycin (2g/10lt) for bacterial canker was suggested to dimethoate (2ml/lt) where new flush is coming.



Dr D. Sreedhar, Scientist (Horticulture), Dr T.Naga Lakshmi, Scientist (Plant Pathology) , and Dr Y.Sharat Kumar Reddy, Scientist (Plant Physiology) visited mango fields of adopted village, VPR Kandriga, Rly. Kodur, mandal on 19 January 2021. Observed incidence of leaf hoppers and suggested remedial measures to the farmers.

Dr R. Nagaraju, Principal Scientist (Horticulture) & Head, HRS, Anantharajupeta visited rose garden on 27 January 2021 and observed severe powdery mildew due to prevailing low temperatures and mist during morning hours and advised the farmers with necessary precautionary measures.



Dr B.K.M.Lakshmi, Senior Scientist (Plant Pathology) & Head, MRS, Nuzvid attended diagnostic field visit along with ADH-II, Nuzvid, HO and other VHA's at Tiruvuru on 19 January 2021 and suggested suitable recommendations to farmers.

Extension Activities

Vice-Chancellor to Village Activities

As a part of "Vice-Chancellor to Village Program", a training programme on "Mango production and protection" was organized at Nagavaram (adopted village) on 28 January 2021 chaired by Dr. B. Sreenivasulu, Associate Dean, CoH, Anantharajupeta and coordinated by Dr. V.N.P. Shivaramakrishna, Assoc. professor (Horticulture). Teaching faculty, Dr K.Swarajyalakshmi, Professor (Horticulture), Dr G. Sarada, Assistant Professor (Entomology), Dr K. Arunodhayam Assistant Professor (Plant Pathology), Dr Firoz, Teaching Associate along with Horticulture Officer, participated in the training programme and educated the farmers regarding various management practices of mango.



Dr D.Sreedhar, Scientist (Horticulture), Dr T. Naga Lakshmi, Scientist (Plant Pathology) and Dr Y.Sharat Kumar Reddy, Scientist (Plant Physiology), HRS, Anantharajupeta participated in planting of marigold, cabbage, cauliflower and radish near RBK and high school premises in adopted village, VPR Kandriga on 19 January 2021. School teaching staff and students have participated in the program. Dr T. Naga Lakshmi, Scientist (Plant Pathology) delivered a lecture on “Mushroom cultivation” to the students with power point presentation.



Scientists of HRS, Kovvur carried out a method demonstration on seed preparation and seed treatment in Elephant foot yam in Ravurupadu, the adopted village along with Horticulture Officer, Kovvur local farmers and RBK staff (VHA & VAA) on 23 January 2021.

Dr M. Janaki, Scientist (Horticulture) & Head, HRS, Peddapuram created awareness on importance of Kitchen gardening to interested farmers of adopted village, R.B.Patnam on 30 January 2021 and distributed vegetable seeds and sweet potato vine cuttings to farmers.



Dr M. Janaki, Scientist (Horticulture) & Head, HRS, Peddapuram has visited the cassava improved varieties cultivated by SC farmers at R.B.Patnam, adopted village on 30 January 2021 and interacted with the beneficiary farms.

Dr B.K.M.Lakshmi, Senior Scientist (Plant Pathology) & Head, Dr R.Rajyalakshmi, Senior Scientist (Horticulture) and Dr G.Sravanthi, Scientist (Entomology), MRS, Nuzvid organized an awareness programme on ‘Importance of Kitchen gardens’ to women self help groups in adopted village, Raavicherla on 23 January 2021.



On 30 January 2021, CRS, Petalur conducted method demonstration as a part of “Vice-Chancellor to village” programme on “Collection of soil samples” in established citrus orchards as well as field crops by using the soil auger, spade, khurfi and crowbar by making ‘V’ shape deep cut in a weed free open place taking precautions like away from bunds, trees shade and free of manure and fertilizers applied filed at 5-6 spots/acre by pooling, mixing, separating, shade drying and making a fine sample. More over “Citrus special” was distributed to farmers to spray on citrus trees at flowering and fruit at marble size and one month before harvest in adopted village (Theerthampadu), Dakkili Mandal, SPSR Nellore Dist. The RBK and village panchayath staff have also participated in the programme. Dr B.Prathap, Scientist (Agro.) coordinated the programme.



Dr K.Swarajyalakshmi, Professor (Horticulture), Dr Firoz Hus-saini, Teaching Associate, CoH, Anantharajupeta planted Karonda and Tamarind plants in Nutritional garden, established in adopted village of ZPHS, Nagavavaram on 28 January 2021. They explained school children about their nutritional value and also how to manage the nutri garden.

As part of VC to Village programme, Scientists of CRS, Tirupati and Mandal Horticulture officer visited adopted village, Nadavaluru, Ramachandrapuram Mandal, Chittoor district on 25 January 2021 and selected demonstration plot on Mango (cv. Sindura/Pulihora and Baneshan) and also distributed micronutrient mixture (Arka mango special).



Dr.YSRHU Year of Coconut Activities

Clipping of the predator *Pseudomallada astur* eggs on whitefly affected coconut palms was carried out by the scientists of HRS, Kovvur in the premises of Research station on 30 January 2021.



Method Demonstrations

On 22 January 2021, farmers visited Nutri garden model established for demonstration purpose at KVK Pandirimamidi institutional farm. Sri Bhanumurthy K.C, Scientist (Horticulture) coordinated the activity and explained the importance of kitchen gardening and for getting nutritious vegetables in their diet round the year.



On 27 January 2021, KVK, Venkataramannagudem conducted demonstration on operation and usage of coconut chipper shredder machine to coconut farmers. Hon'ble Vice-Chancellor Dr T.Janakiram, Dr B.Srinivasulu, Director of Extension Dr E.Karauna Sree, Principal Scientist & Head, KVK, Venkataramannagudem attended this demonstration. This program was coordinated by Dr. K. Venkata Subbaiah, Scientist (Horticulture), KVK, Venkataramannagudem. In this program more than 10 coconut farmers have participated.

Kisan Ghosti

On 23 January 2021, KVK Pandirimamidi organized Kisan Ghosti on "Coconut cultivation and its promotion in agency area". Dr P.Lalitha Kameswari, Senior Scientist & Head, KVK, Dr.K. Rajendra Prasad, Head, HRS, Pandirimamidi, PHO, ITDA, KVK Scientists and 34 farmers have participated.



Soil Samples

On 28 January 2021, Dr V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta collected the soil sample in the farmer's field at Badripalli village of Chapadu mandal. Scientist explained the method of collection and labelling the soil sample at field level.

Training Programmes

On 19 January 2021, immediately after inauguration of "Processing & Skill training Centre", KVK, Venkataramannagudem conducted 3 days skill training program on "Dry flower technology" from 19 to 21 January 2021 to rural women for encouraging women entrepreneurs. The trainees learnt about flower drying techniques, and also attended practicals on preparation of greeting cards, table mats, book marks etc. Dr



T.Janakiram, Hon'ble Vice-chancellor and Dr B.Srinivasulu, Director of extension have participated in valedictory function on 21 January 2021 and distributed certificated to the trainees. Dr E. Karauna Sree, Principal Scientist and Head coordinated the programme. Twenty women farmers have participated in the training.



From 28 to 30 January 2021, KVK, Pandirimamidi conducted three days skill training programme on "Mushroom production technology" under TSP-2020-21. Technical sessions were conducted on cultivation aspects of oyster and milky mushrooms (Bedding, spawning, casing, maintenance of temperature and humidity, harvesting, packing etc.), pest and diseases, spawn production, medicinal and nutritional properties, site selection and

value added products of mushrooms. Chief guest Sri Chinna Srinivas Rao, APD, Velugu and Dr. P. Lalitha Kameswari, Senior Scientist & Head, KVK distributed certificates to the trainees in valedictory session. Dr. N. Chiranjeevi, Research Associate (Plant Pathology) coordinated the programme. Total 29 trainees have participated in the training.

Dr M. Raja Naik, Associate Professor (Horticulture), CoH, Anantharajupeta attended a training program as resource person and interacted with farmers about "Water nutrient management along with plant protection aspects in Mango in present situation" at Gundiapalli (V), T.Sundupalli (m), YSR Kadapa dist. on 24 January 2021 organized by M/s.Gromor Fertilizers (Pvt). Ltd followed by a field visit.

On 21 January 2021, KVK, Vonipenta conducted off campus training programme on "Drudgery reduction technologies". Smt. Suneetha Runjala, Research Associate (Home Science) Mrs. Srividya Rani, N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture) explained drudgery reduction implements like wheel hoe, onion drum seeder, lime harvester, banana comb cutter uses and cost reduction calculation were explained to the farmers.



On 20 January 2021, KVK, Periyavaram, conducted on-campus training programme on “Scientific management of Backyard Poultry”. The practicing farmers and farm women were acknowledged about improved breeds housing, feeding and disease management of backyard poultry for better growth and more returns from poultry rearing.



Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram explained about the advantages of rearing Rajasree breed of dual purpose as backyard poultry and distributed one month old chicks as part of On-farm trail to the beneficiaries from C.C.Kandriga, adopted village under VC to village programme and also under SC-SP programme to SC farmers. Dr.P.Manjari, Scientist, Veterinary Science coordinated the programme.



On 22 January 2021, KVK, Periyavaram conducted On-campus training programme on “Management of diseases in Sheep and Goat” for practicing farmers and Animal Husbandry Assistants (extension functionaries). The trainees were explained about common diseases of sheep and goats, their diagnosis, treatment and preventive measures along with management of pregnant ewes and does and care of the young ones through feeding of concentrate to mothers and creep feeding to the young ones. Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram distributed creep mixture to the beneficiaries. Dr.P.Manjari demonstrated different components of creep mixture and its method of feeding to the lambs and kids. Dr.P.Manjari, Scientist, Veterinary Science coordinated the programme.

Dr M. Raja Naik, Associate Professor (Horticulture), CoH, Anantharajupeta attended a training program as a resource person to input dealers under DAESI program on “Advanced plant production and protection aspects in gladiolus and heliconia” at RASS, KVK building, Tirupati on 31 January 2021 organized by ATMA, Dept. of Agriculture, Chittoor.



KVK Pandirimamidi, organized three days skill development training program on processing of Cashew nuts for 50 trainees (20 trainees of PKVY and 30 VDVK's – ITDA Velugu) from 28 to 30 January 2021 under tribal sub plan 2020-21. Technical sessions were conducted on Cashew cultivation practices, method of processing of nuts – hands on training, storage pests and diseases, marketing strategies and subsidies from Department of Horticulture related to processing. At valedictory session, Dr P.Lalitha Kameswari, Senior Scientist & Head, KVK, Pandirimamidi invoked the guests and briefed about the training program. Sri Chinna Srinivasa Rao, APD, Velugu attended as chief guest and addressed the trainees about the importance of cashew processing using mini cashew processing units, especially for VDVK's and distributed the certificates. Scientists of KVK, Pandirimamidi, 50 trainees have participated. Sri Bhanumurthy K.C, Scientist (Horticulture) coordinated the programme.

Dr R. Nagaraju, Principal Scientist (Horticulture) & Head, HRS, Anantharajupeta as a resource person participated in a meeting organized by Department of Horticulture and FPOs at Kammappalli, Diguvavaripalli villages of Pulicherla mandal, Chittoor district and discussed with the farmers on various aspects viz., climate and flowering behavior, pre and postharvest pest & diseases of mango and advised the farmers with regard to IPM & INM practices on 23-01-2021. Due to heavy rains prevailed severe gummosis, algal formation, and drying of branches was observed in most of the gardens and advised suitable remedial measures.



Dr G.Ramanandam, Principal Scientist (Horticulture) & Head participated as resource person in Rugose spiralling whitefly management awareness programme for the farmers, RBK technical and Extension staff of Dept. of Horticulture on 16 January 2021 at Ammalapadu (V), Vajrapukottur (M), Srikakulam dist. and demonstrated neem oil spray and installation of yellow sticky traps for whitefly control.

Ch.S.Kishore Kumar, Scientist (Plant Pathology), HRS, Kovvur conducted field visits to China boddepalli village, Kotavaratla, DPuram under Payakaraopet mandal, S.Rayavaram and Nakkapalli under Nakkapalli mandal and Nayadupalem china chipurapalli under Paravada mandal in Visakhapatnam district from 21 to 23 January 2021 along with Department of Horticulture officials and observed severe incidence of Rugose spiralling white fly on coconut (ECT and Godavari Ganga) and Oil palm, cashew and Banana. Advised to spray neem oil (Azadirachtin 10000 ppm) @ 1ml along with 10 grams surf per liter to control RSW as a prophylactic, fixing of yellow sticky traps above 5-6 ft from the ground level and clipping "*Pseudomallada astur*" eggs as biological control method to control the whitefly.



Dr K Mamatha, Senior Scientist (Horticulture) and Dr R.Nagalakshmi, Senior Scientist (Horticulture), HRS, Kovvur participated as resource persons in the training programme on "Management practices in Elephant foot yam" organized by Department of Horticulture at Chidipi village of Kovvur mandal on 23 January 2021 and explained about the improved cultivation practices.

On 19 January 2021, KVK, Vonipenta conducted on campus training programme on "Scientific rearing of backyard poultry" to the farmers. Mrs. Srividya Rani, N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture) have explained regarding the advantages of rearing Rajashree breed as dual purpose backyard poultry and scientific rearing of back yard poultry.



From 21 to 23 January 2021, KVK, Pandirimamidi conducted three days state level training programme on improved cultivation practices in Cashew sponsored by DCCD, Kochi. Dr P.Lalitha Kameswari, Senior Scientist & Head, KVK, Pandirimamidi invoked the meeting, addressed the farmers about the importance of cashew cultivation & future prospects. Sri ChinnaSrinivasaRao, APD, Velugu and Sri Satyanarayana, PHO, ITDA, Rampachodavaram attended as guests and addressed the farmers about the cultivation aspects, Procurement, marketing, ITDA Horticulture subsidies etc. Technical sessions on Cashew production, Integrated pest and disease management, cashew apple value addition, cashew nut processing, horticultural subsidies, FPO formation and its importance and marketing strategies were conducted by respective scientists, technical officers. An exposure visit to cashew processing unit at Narsapauram village was organized to trainees. In the valedictory session, certificates were provided to trainees. In this programme, Dr.P.LalithaKameswari, Senior Scientist & Head, KVK, Pandirimamidi Sri Satyanarayana, PHO, ITDA, Dr.K.Rajendra Prasad, Head, HRS, Pandiriamamidi, Sri Ramesh, Horticulture Officer, Rampachodavaram, Sri P Rajasekhar, Scientist (SS&AC), Dr. S. Adarsha, Scientist (Entomology), Dr. N. Chiranjeevi, RA, VHA's and 51 farmers were participated. Sri K.C.Bhanumurthy, Scientist (Horticulture) coordinated the programme.



Front Line Demonstrations

On 19 January 2021, KVK, Vonipenta has provided Rajashree poultry birds under FLD on “Assessment on performance of Rajashree poultry breeds as dual purpose backyard poultry” for the farmers of Sunkulugaripalli village of Mydukur mandal and Gudipadu village of Duvuur mandal. Mrs Srividya Rani, N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture) coordinated the programme.



Field day of CFLD-Pulses was conducted by Dr.B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram at Manegunta village of Venkatagiri mandal on 28 January 2021. Under CFLD-pulses, beneficiaries cultivating Black gram-TBG 104 were supplied with Pulse wonder and sticky traps. Dr B.Govinda Rajulu addressed the queries of farmers regarding pest and disease management in black gram and motivated the farmers for following IPM practices from obtaining higher yield. ADA, Venkatagiri also participated in the programme.

On 31 January 2021, KVK, Pandirimamidi initiated cluster frontline demonstrations on groundnut varieties K-9 and Kadiri Amaravathi at Pydiputta, Komaravaram and Pasaruginne villages of Y.Ramavaram mandal and provided critical input like seed to the beneficiaries followed by technical discussion on cultivation aspects of groundnut. Sri. P. Raja Sekahr, Scientist (SS&AC) coordinated the programme. MAO, Y.Ramavaram mandal and VAAs has participated in this programme.



Diagnostic Visits

Dr K. Swarajyalakshmi, Professor (Horticulture), Dr V.N.P. Sivaramakrishna, Associate Professor (Horticulture), Dr G. Sarada, Assistant Professor (Entomology), Dr K. Arunodham, Assistant Professor (Plant Pathology) and Dr Ch. Ruth, Professor (Plant Pathology), CoH, Anantharajupeta has visited mango and papaya gardens on 28 January 2021 in Nagavaram village of Chitvel manadal and observed the incidence of mango hoppers, mosaic and leaf curl viruses in papaya and suggested with suitable remedial measures.



Dr Ch.Ruth, Professor (Plant Pathology), CoH, Anantharajupeta observed mango and banana fields at Koneti Raju Kandriga village of YSR Kadapa on 30 January 2021, along with PG Plant Pathology first year students and noticed more incidence of anthracnose, Loranthus and sooty mold in mango cultivars Rumani when compared to Bangolora and sigatoka leaf spot in banana cultivar Grand naine and suggested the control measures.

On 19 January 2021, Dr. V.Nagarjuna, Research Associate (Soil Science) and Smt. Suneetha Runjala, Research Associate (Home Science) from KVK, Vonipenta had visited Sweet orange fields for diagnosis of pest and diseases at Buchupalli village of Thondur mandal. Scientist observed Zn and Fe deficiency in Sweet orange and suggested application of $ZnSO_4$ @ 5 gm /lit and $FeSO_4$ @ 2 gm /lit for correcting micronutrient deficiency.



On 20 January 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited mango and turmeric fields for diagnosis of pests and diseases at Akkaloreddypalli and Nagalakuntla villages of Porumamilla mandal respectively. Scientist explained about flower regulation, intercultural operations and nutrient management for getting of quality and higher yields in mango and about fertilizer management and disease management during rhizome development stage in turmeric

On 28 January 2021, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited sweet orange orchards for diagnosis of pests, diseases and nutrient deficiency at Konnur village of Atlur mandal. Identified Iron and Zinc deficiency and suggested to spray zinc sulphate @ 0.5% + ferrous sulphate @ 0.2% twice at ten days interval.



On 22 January 2021, P. Raja Shekhar, Scientist (SS&AC) and Dr. N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi conducted diagnostic visit to kitchen garden at Usirijonnala village of Rampachodavarm mandal. Scientists observed root rot in brinjal and recommended soil drenching with COC@ 3g/lit and also suggested kitchen garden layout and model for effective utilization of available space in the backyard.



Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, Venkataramannagudem visited the shrimp farms located at Vardharajupuram, Pedanindrakolanu, G.Gopavaram Villages of Ganapavaram mandal and noticed the white spot disease, white gut, black gill and lack of knowledge on gut probiotics. Scientific advice provided to the farmers for betterment of their existing shrimp culture. Created awareness on usage of water, soil and gut probiotics to increase immunity and also importance of mineral application in maintenance of physiology and moulting on 28 January 2021.

On 30 January 2021, Sri G. ShaliRaju, Scientist (Entomology) and Dr K.Venkatasubbaih, Scientist (Horticulture), KVK, V.R.Gudem conducted diagnostic visit to Cashew, Papaya, Coconut, watermelon, Okra, Tomato and Watermelon in Prakashraopalem and Telikicherla vil-lages, Nallajerlamandal and observed nutritional disorders, pest and diseases and suggested suitable remedial measures.



On Farm Trials

On 21 January 2021, Dr.B.Govindarajulu, Principal Scientist (PP) & Head and Dr.B.Vijayasree, Research Associate (Home Science) conducted "Assessment of Moringa based Millet biscuits in improving the Nutritional status of vulnerable groups" (OFT) for SHG women of Manulal pet of Venkatagiri. In this programme three types of biscuits were prepared i.e Moringa + Millet biscuits, Millet biscuits, and normal (maida) biscuits. The participants were explained with the nutritional values of moringa leaf powder and millets. The three biscuits were evaluated on the basis of organoleptic properties and shelf life.



On 21, 22 and 30 January 2021, KVK, Vonipenta conducted OFT on preparation of instant Idli, dosa mixes in dry form and kept for two months to study the for shelf life. After two months prepared recipes and conducted sensory evaluation on Assessment of millet based breakfast mixes recipes i.e., ragi dosa, ragi idli, korra dosa, korra idli, jonna doas, jonna idli, sajja dosa, sajja idli in comparison compared with standard traditional method of preparation and concluded that instant semi processed millet based breakfast mixes are very useful as well as less time consumed in processing and are healthy.

Smt. Suneetha Runjala, Research Associate (Home Science) coordinated the programme.

Krishi Kalyan Abhiyan-3

On 19 January 2021, KVK, Vonipenta conducted Krishi Kalyan Abhiyan-3 with a theme of Diversified farming systems at Buchupalli village of Thondur mandal. Scientists addressed the farmers on application of dimethoate @ 2 ml / lit for control of whitefly, streptomycin @ 0.1 gm and COC @ 3 gm per lit for management of Citrus canker disease, pest and disease management, fertilizer management and water management in sweet



orange, sunflower, groundnut and IFS models. Smt. Suneetha Runjala, Research Associate (Home Science) explained the importance of balanced diet and value addition of onion and fruits. AO, Thondur, VHA, Buchupalli and 30 farmers participated in this programme. Dr V.Nagarjuna, Research Associate (Soil Science) and Smt. Suneetha Runjala, Research Associate (Home Science) coordinated the programme.

Polambadi

On 20.01.2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta participated in farmers training program and joint diagnostic field visit in paddy field cultivated under Polambadi programme at Nagalakuntla village of Porumamilla mandal. Scientist explained about pests and disease management, fertilizer and water management in Paddy and also verified polambadi registers maintained by VAA. In this program ADA, Porumamilla, VAAs and 15 farmers have participated.



On 20 and 22 January 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta attended Polambadi programme conducted by Dept of Agriculture and District Resource Committee, Kadapa at S. Rajampeta village of Siddavatam mandal and Lakshmipeta village of Chapadu mandal respectively.

General

Meetings

On 28.01.2021, Dr.B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram and Dr.P.Manjari, Scientist, Veterinary Science participated in "Meeting with ATARI zone-10 in connection with NHF-2021" and discussed regarding organization of "virtual horticulture fair for Zone-X on 12.02.2021.

Dr. M. Janaki, Scientist (Hort.) & Head has attended "International Workshop on Root Architecture Imaging and Analysis for Tropical Tuber Crops" (RAIATTC 2021) held from 20th - 22nd January, 2021 organized by ICAR-CTCRI, Thiruvananthapuram, Kerala in collaboration with Louisiana State University, Louisiana, U.S.A.

Dr G.Ramanandam, Principal Scientist (Horticulture) & Head, Dr K.Ravindra Kumar, Scientist (Horticulture) and Dr A.Snehalatha Rani, Scientist (Plant Pathology), HRS, Kovvur participated in webex online meeting on “Banana sigatoka leaf spot and premature ripening of banana cv Grand Naine fruits in Rayalaseema zone” on 21 January 2021. Interacted with Horticulture departmental officials and explained the reasons for change in pulp colour and premature ripening of fruits. Suggested necessary ameliorative measures for improving the yield with high fruit quality. Sri. Chiranjiv Choudhary, IFS, Commissioner of Horticulture chaired the programme.

Sri K.C.Bhanumurthy, Scientist (Horticulture), KVK, Pandirimamidi attended the online master trainers training program on Minor Forest Produce Processing under PM-FME scheme held from 19 to 23 January 2021 by IIFPT, Thanjavur.

On 23 January 2021, Dr S.Adarsha Scientist (Entomology), KVK, Pandirimamidi participated in one day national Webinar on “Climate Change- Insect Pest Management Strategies” organised by Department of Entomology, Agricultural College, Bapatla.

Visits

Dr.A.Sujatha, Dean of PG Studies (FAC) conducted meeting with PG Academic-in-charge, Associate Dean, PG & Ph.D students and other related faculty, discussed about PG forms to be submitted, PG research budget issues, stipends of students and JRF fellowships in the colleges of Venkataramannagudem and Anantharajupeta on 22 January 2021 and 29 January 2021, respectively. Interacted with the students regarding various fee, non-stipend seats, JRF, etc.,



Students from DRG Govt. degree college, Pentapadu and SAS Govt. degree college, Narayanapuram, West Godavari district visited PHTRS, Venkataramannagudem as a part of training programme on "Entrepreneurship development through low cost processing of fruits and vegetables" organized by Horti Business Incubation Centre (HBIC), CoH, Venkataramannagudem on 22 January 2021. Dr. D.V.Swami, Principal Scientist & Head explained about the preparation of various value added products to the students.



Phone-in-Live Programme

Dr M.Tirupathi Reddy, Senior Scientist & Head, HRS, Vijayarai attended Phone-in-Live Programme on “Management Practices in Cocoa for Sustainable Yields” at Doordarshan Kendra, Vijayawada on 18 January 2021.

Dr R.Rajya Lakshmi, Senior Scientist, MRS, Nuzvid attended Phone-in-Live Programme on “Crop Regulation in Mango” at Doordarshan Kendra, Vijayawada on 28 January 2021.

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 January (3-4 PM).

Date	Activities
16.01.2021	శాస్త్రీయ పద్ధతిలో రొయ్యల పెంపకం Dr.A.Devivaraprasad Reddy, Scientist, KVK, V.R.Gudem
18.01.2021	కొబ్బరిలో సేంద్రియ ఎరువుల పునరుత్పాదన Dr.G.Ramanandam, Principal Scientist & Head, HRS, Kovvur
19.01.2021	లిల్లీ పూల సాగులో మెళకువలు Dr R.Nagalakshmi, Sr.Scientist, HRS, Kovvur
20.01.2021	ఉద్యాన పంటలలో తక్కువ ఖర్చుతో కోత అనంతర యంత్రాలు Shri P.C.Vengaiah, Scientist, HRS, Pandirimamidi
21.01.2021	పుట్టగొడుగుల సాగు Shri G.Shali Raju, Scientist, KVK, Venkataramannagudem
22.01.2021	పాడి పశువులలో సంభవించే వివిధ వ్యాధుల యాజమాన్యం Dr T.Vijaya Nirmala, Scientist, KVK, Venkataramannagudem
23.01.2021	పాలిహౌసులో కాప్సికం సాగు మరియు యాజమాన్య పద్ధతులు Dr K.Rajendra Prasad, Scientist, HRS, Pandirimamidi
25.01.2021	కొబ్బరిలో సమగ్ర పోషక యాజమాన్యం Dr M.Madhavi, Professor, CoH, V.R.Gudem
27.01.2021	అరటిలో సమగ్ర పోషక యాజమాన్యం Dr.G.Ramanandam, Principal Scientist & Head, HRS, Kovvur
28.01.2021	మిరపలో పంట కోత అనంతర యాజమాన్యం Dr A.Rajani, Scientist, JRS, Lam
29.01.2021	బెషధ సుగంధ పంటలలో సస్యరక్షణ Dr P.Ramadevi, Senior Scientist & Head, HRS, V.R.Gudem
30.01.2021	ఉద్యాన పంటలలో తేనేటీగల పెంపకం – ఆవశ్యకత Dr S.Adarsha, Scientist, KVK, Pandirimamidi

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