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From Vice-Chancellor's Desk

Value Addition in Horticulture

Horticulture plays a significant role in Indian Agriculture. It contributes 30% GDP from 11.73% of its arable land area. India is the second largest producer of both fruits and vegetables in the world. Fruits and vegetables, as well as roots and tuber crops are among the best sources of calories, natural vitamins and minerals essential for healthful living. Value addition of such fruits and vegetables by formulation of different value added products are an important continuous source of nutritional security.

Post Harvest Technology Research Station (PHTRS) at Venkataramannagudem is successful in standardization of protocol of value added products viz., tomato ketchup, mixed fruit jam, guava fruit jam, mango pickle, guava nector, moringa leaf powder, curry leaf powder and osmatically dehydrated papaya, potato, onions and also Horticultural Research Station (HRS), Pandirimamidi also standardized protocol of value added products of Palmyrah viz., Palymrah Neera, Palymrah Syrup, Palymrah Jaggery, Jaggery Powder, Palymrah Sugar, Palymrah Crystal, Palymrah Chocolate, RTS Beverages, Palymrah Fruit Bar, Palymrah Fruit Flour, Tuber Flour and Palymrah Spongy Endosperm Flour and also imparting trainings in co-ordination with KVKs of Dr.YSRHU. All the value added products developed by PHTRS, Venkataramannagudem and HRS, Pandirimamidi are registered under Food Safety and Standards Authority of India (FSSAI).


Dr T.Janakiram
 Vice-Chancellor

The Events

Inaugurations

Dr T.Janakiram, Hon'ble Vice Chancellor inaugurated the Information Kiosk and Udyana Varthalu programme on 16 December 2020 in the presence of all university officers, Principal Scientist & Head and scientists KVK, Venkataramannagudem. Dr B.Srinivasulu, Director of Extension coordinated the programme.



Dr T. Janakiram, Hon'ble Vice Chancellor inaugurated the Agromet Observatory Unit at CoH, Venkataramannagudem on 28 December 2020 in the presence of all university officers, Associate Dean, teaching and non-teaching staff along with students of CoH, Venkataramannagudem. Dr K.Uma Jyothi, Associate Dean coordinated the programme.

National Farmers Day

National Farmers Day was celebrated at all the KVKs, Research Stations, constituent colleges and Horticultural Polytechnics of Dr.YSRHU on 23 December 2020. On this occasion a state-level webinar on “ఉద్యాన పంటలలో రైతుల సాంప్రదాయ విత్తన/పంటల రకాలు మరియు సాంకేతికతలు” was organized by Farmers Advisory Cell under the Chairmanship of Dr T.Janakiram, Vice-Chancellor.



Education

Rythu Sadassus

RHWEF students of COH, Anantharajupeta conducted RythuSadassu/ Exhibition in different villages of Chittoor, Kadapa, Kur-nool and Ananthapuramu districts on 19, 23 and 26 December 2020 respectively. Students shared their experiences, practical knowledge gained during the RHWEF programme and interacted with the farmers. Dr B.



Srinivasulu, Associate Dean and Representatives Dr P.T. Sreenivas, Prof, Dr. Ch. Ruth, Prof, Dr K.M. Yuvaraj, Prof, Dr P. Syamsunder Reddy, Assoc. Prof, Dr VNP. Sivarama Krishna, Dr K. Arununodhaya, Asst. Prof and Dr. Y. Deepthi Kiran, Asst. Prof. have also participated.



RHWEF students of CoH, Anantharajupeta allotted to KVK, Periyavaram conducted Rythu sadassu at adopted village C.C.Kandriga on 18 December 2020. Students displayed various technologies related to horticulture and agriculture to the farmers through exhibitions. In this programme, Dr.B.Govindarajulu, Principal Scientist (Plant Pathology) & Head explained the technologies prepared by students to farmers.



RHWEF students of CoH, Venkataramannagudem allotted to KVK, Pandirimamidi conducted Rythusadassu at Intrikona village of Allavaram mandal, East Godavari district on 30 December 2020. Dr P.Lalitha Kameswari Senior scientist & Head, Dr S.Adarsha Scientist (Entomology) and Sri P. Raja Sekhar Scientist (SS&AC), KVK, Pandirimamidi have participated. Exhibits on activities of RHWEF program and recent technologies were displayed as demos in the program. Interaction with farmers and success stories on coconut farmers were discussed as part of the program. Pamphlet on RHWEF activities was released by RHWEF students in the program. 30 farmers and 23 students participated the program.



RHWEF students of CoH, Anantharajupeta allotted to KVK, Vonipenta conducted Rythu Sadassu on 18 December 2020. Dr B. Srinivasulu, Associate Dean, CoH had participated as Chief Guest and addressed the gathering on reduction of cost of cultivation, cultivation of crops based on market demand. Dr. P.T.Sreenivas Rao, Associate Professor (Horti) and Dr.V.Deepthi Kiran, Assistant Professor (Agronomy), CoH, Anantharajupeta and Associate Dean Representatives addressed the farmers regarding the importance of the RHWEF programme to practically learn the things which the farmers are doing in their own fields. Pamphlet was released regarding RHWEF activities done by the students. Mrs. Srividya Rani, N, Scientist & Head, KVK, Vonipenta addressed the farmers regarding the activities done by RHWEF students, vocational trainings, method demonstrations, arranging information corners in which the farmers are benefitted by knowing the recent advancements in agriculture. Students also arranged a stall on varieties of fruits and vegetables grown in villages, soil testing, water conservation and soil conservation measures etc. Dr.V.Yugandhar, RA, (Horti.) and Dr V. Nagarjuna, RA (Soil Science), RHWEF students and the farmers attended the programme.



COVID tests to students

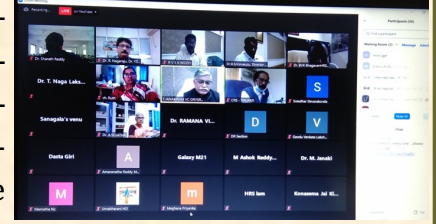
State Government of Andhra Pradesh conducted COVID tests to students of College of Horticulture, VR Gudem on 28th to 30th of December, 2020. Total 194 students got tested. Dr. K. Umajyothi, Associate Dean, CoH, VR Gudem and Sri. K.Ratna Kishore Babu, Public Relations Officer co-ordinated the programme.



Research

Webinar

Dr YSRHU conducted online state-level webinar on “Good Management Practices in Papaya” on 17 December 2020 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. Scientists of HRS, Anantharajupeta explained about integrated nutrient water, pest management in papaya and also interacted with farmers. The programme was coordinated by Dr R.V.S.K.Reddy, Director of Research.



Projects submitted for external funding

Rootstock x scion interaction and molecular tagging of Genes for leaf curl virus resistance in chilli” Dr. B. Tanuja Priya, Senior Scientist (Hort.), HRS, Lam, submitted to DST.

Proposal submitted for second DUS testing centre on Crossandra to PPV& FRA, Government of India

Extension Activities

Swachhta Pakhwada programme

From 16 to 31 December 2020, all the KVKs of Dr.YSRHU conducted SwachhtaPakhwadaprogramme at different villages in KVK operational area as per the schedule given by ICAR- ATARI, Zone- X, and Hyderabad.



PM Kisan Program

All the KVKs of Dr.YSRHU live telecasted the PM Kisan Program on 25 December 2020 and in this program, Hon’ble Prime Minister, Shri NarendraModiji, has launched the program and interacted with farmers from the different states.



Vice-Chancellor to Village Activities

Awareness programme on management of rugose white fly was organized in oilpalm fields of adopted village, Prakasaraopalem on 17 December 2020 in association with Department of Horticulture and 3F Oil Palm Private Ltd. Hon'ble Vice-Chancellor, Director of Research, Director of Extension of Dr.YSRHU, Deputy Director of Horticulture, DGM of 3F Oilpalm, staff and students of COH,VRGudem,



VHAs, VAAs and many farmers participated in the programme. Dr. Chalapathi Rao, Principal Scientist, HRS, Ambajipeta has conducted demos on spraying of Isaria, clipping of eggs of Dichocrysa and installation of yellow sticky traps. Isaria cultures, Dichocrysa eggs, neem oil and pamphlets about rugose whitefly management were distributed to the farmers.



As a part of "Vice-Chancellor to Village Program" a team of faculty Dr Ch. Ruth, Prof Dr K.Swarajyalakshmi, Professor, Dr. Ramaiah, Professor, Dr. Sarada, Asst. Prof, Dr Arunodayam, Asst. Prof, and Dr Swamy Sekhar, TA. Dr K. Divya, TA have visited the banana fields affected by heavy rains in Nagavaram (adopted village) and suggested remedial measures for severe infection of sigatoka leaf spot management, measures to protect the crop from lodging and submergence on 16 December 2020. On the same day establishment of mushroom unit, planting of fruit plants in the school premises surroundings etc. were also carried out in the village.

On 31 December 2020 as a part of "Vice-Chancellor to Village" program at adopted village, team of faculty from CoH, Anantharajupeta Dr. Ruth, Dr.Ramaiah, Dr.Swamysekhar visited Chilli, Papaya, Tomato fields for diagnosis of pests and diseases in adopted village Tirumalasettipalle, Chitvel mandal. Observed Cercospora leaf infestation in Chilli. Suggested to spray mancozeb @2.5g/litre + Neem oil 3ml/lit of water to manage the disease.



On 31 December 2020 as a part of "Vice-Chancellor to Village" program at adopted village, team of faculty from CoH, Anantharajupeta Dr. Ruth, Dr.Ramaiah, Dr.Swamysekhar visited Chilli, Papaya, Tomato fields for diagnosis of pests and diseases in adopted village Tirumalasettipalle, Chitvel mandal. Observed Cercospora leaf infestation in Chilli. Suggested to spray mancozeb @2.5g/litre + Neem oil 3ml/lit of water to manage the disease.



Dr.M.Kavitha, Senior Scientist (Plant Pathology), and Dr.B.Prathap, scientist (Agro.) of Citrus Research Station, Petalur visited and conducted training program on "Importance of Bordeaux mixture and Trichoderma application in Acid lime" as a part of "Vice-Chancellor to village" programme on 21-12-2020 at Theerthampadu village of Dakkili Mandal SPSR Nellore District.

Dr G Ramanandam, Principal Scientist (Horticulture), Dr K Mamatha Senior Scientist (Horticulture), Dr R Naga Lakshmi, Senior Scientist (Horticulture) and Dr K Ravindra Kumar visited Ravurupaudu the adopted village under VC to village programme on 19 December 2020 and visited banana fields where severe infestation of thrips was observed and suggested the control measures.



Frontline Demonstrations

On 30 December 2020, Dr. T.Vijaya Nirmala, Scientist (Veterinary Science) KVK, Venkataramannagudem explained about Importance and feeding of Urea Molasses Mineral Blocks (UMMB) in dairy animals to dairy farmers and then distributed Urea Molasses Mineral Blocks (UMMB) to dairy farmers under FLD on “Demonstration on supplementation of Urea Molasses Mineral Blocks (UMMB) in dairy animals” for the year 2020-2021.



On 21 and 22 December 2020, Dr.B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram initiated CFLD-Pulses programme of Rabi season by distributing inputs-Pulse Wonder a growth promoter developed by TNAU, Coimbatore to Black gram farmers from Rajupalem and Mannegunta village of Venkatagiri mandal and

Saidapuram villages.

On 28 and 29 December 2020, Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram initiated CFLD-Oilseeds-Groundnut by distributing seed of Ground nut variety Dharani (T.C.G.S.-1043) to beneficiaries of Kalavalapudi and Yataluru villages of Venkatagiri mandal.



On 16 December 2020, Dr S. Adarsha Scientist (Entomology) and Dr N.Chiranjeevi R.A (Plant Pathology), KVK, Pandirimamidi visited Blackgram (var. TBG-104) fields under CFLD pulses 2020-21 at Devaram village of Devipatnam mandal. Crop is at flowering stage and observed leaf spot and powdery mildew incidence. Recommended for spraying of wettable sulphur @3g/l and carbendazim @1g/l for control.

On 29 December 2020, Dr S. Adarsha Scientist (Entomology) and Dr N.Chiranjeevi R.A (Plant Pathology), KVK, Pandirimamidi visited Blackgram var. TBG 104 fields under CFLD pulses 2020-21 at Konalova Village of Addateegala mandal. Crop is at flowering and pod development stage. Suggested for application of pulse wonder @ 2kg per acre for increase in flowering and pod filling. ADA, Addateegala, AO and 20 farmers participated the visit.



On 24 December 2020, KVK, Pandirimamidi has established a Nutri garden model at KVK institutional farm as a demonstration and for promotion of kitchen gardening round the year to have nutritious vegetables in their diet. Sri Bhanumurthy K.C, Scientist (Horticulture) coordinated the activity.



On 21 December 2020, KVK, Pandirimamidi has distributed improved poultry breeds *i.e.* Vanasree, Sreenidhi and Gaghus to a total of 60 beneficiary farmers from Pandirimamidi Kota, Bodlanka villages of Maredumilli mandal and Kakavada village of Rampachodavaram mandal as a part of FLD under TSP-20.



On 29 December 2020, Dr. N. Chiranjeevi, Research Associate (Plant Pathology) and Dr. S. Adarsha, Scientist (Entomology) has distributed inputs to the beneficiary farmers at Konalova village of Addateegala mandal as a part of FLD on Management of Rugose spiralling whitefly in oil palm under TSP-20. Scientists demonstrated usage and spraying of *Isaria* and installation of Yellow sticky traps in

oil palm field.

On 18 December 2020, P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi has visited banana fields as part of front line demonstration on enhancement of fruit size and quality in banana under TSP-2020-21 at Thimmapuram village of Ad-dateegala mandal. Interacted with the farmers about timely nutrient management in banana and provided critical inputs like Arka Banana Special, potassium nitrate and potassium sulphate for scheduled sprayings @ 5 g/litre at vegetative and bunch development stages respectively.



On 29 December 2020, P Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi has visited Acchiyapeta village of Addateegala mandal along with Sri Daivananda Kumar, Assistant Director of Agriculture, Addateegala and interacted with farmers for implementation of Cluster Front Line Demonstrations on sesame var. YLM-66 under NFSM-2020-21. A technical session on cultivation of sesame var. YLM-66 was conducted and provided critical inputs like sesame seed & pre-emergence herbicide (Pendimethalin) to 25 beneficiaries. Mandal Agriculture Officer and VAAs, Addateegala has participated in the programme.

On 23 December 2020, Mrs. Srividya Rani, N, Scientist & Head, Dr V.Yugandhar, Research Associate (Horticulture) and Dr V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta had initiated CFLD on Oil seeds under National Food Security Mission sponsored by ICAR-ATARI, Zone – X, Hyderabad. Scientists explained cultivation aspects of sesame for getting higher yields, provided seed (YLM-66) and pre-emergence herbicide to the farmers.

On 23 December 2020, Mrs. Srividya Rani, N, Scientist & Head, Dr V.Yugandhar, Research Associate (Horticulture) and Dr V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta had initiated CFLD on Oil seeds under National Food Security Mission sponsored by ICAR-ATARI, Zone – X, Hyderabad. Scientists explained cultivation aspects of sesame for getting higher yields, provided seed (YLM-66) and pre-emergence herbicide to the farmers.



On 24 December 2020, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited banana fields as follow up under FLD at K.N.Kottala village of S.A.Kasinayana mandal. Scientist explained about the recommended fertilizer application based on soil test and bunch management in banana.



On Farm Trials

On 23 December 2020, Sri Bhanumurthy K.C, Scientist (Horticulture) and Dr S.Adarsha, Scientist (Entomology), KVK, Pandirimamidi provided sweet potato vine cuttings of varieties i.e. Kalinga, Samrat and Sreebhadra under OFT i.e. Introduction and assessment of sweet potato to farmers of Athreyapuram village of Korukonda mandal.



On 26 December 2020, Dr. N. Chiranjeevi, Research Associate (Animal Husbandry and Veterinary Sciences), KVK, Pandirimamidi has conducted follow up visit to Co-5 and Super Napier fields at Burugupudi village of Korukonda mandal under OFT (SCSP-20) and collected the necessary data.

On 25 December 2020, Dr. V. Yugandhar, Research Associate (Horticulture) and Mrs. Srividya Rani, N, Scientist & Head, KVK, Vonipenta provided Coriander seeds of Suruchi(LCC-234) and Suguna (LCC-236) under OFT “Introduction of Coriander variety “Suruchi” (LCC-234) for the farmers of Adireddipalli village of Mydukur mandal.



Tribal Sub Plan

On 28 December 2020, Dr.S. Adarsha Scientist (Entomology) and Dr.N.Chiranjeevi R.A (Plant Pathology), KVK, Pandirimamidi provided poultry birds to 15 beneficiaries of P.M.kota village of Maredumilli mandal under Promotion of backyard poultry in agency area of East Godavari District TSP 2020-21.



Training Programmes

KVK, Dr YSRHU, Venkataramannagudem has sensitized the on “Consumer Protection Act, 2019” by sharing the information in the form of brochures both in English and Telugu language entitled on Consumer Protection Act 2019, Be a smart consumer, and Step by step guide for registration of consumer grievance through whatsapp groups and individual messages to the farmers, stakeholders etc on 24 December 2020. The information has reached to 754 farmers and stakeholders. Scientists of KVK, V.R.Gudem coordinated the programme.

Dr. M. Mutyla Naidu, Principal Scientist (Horti,) & Head, HRS, Darsi attended a training programme class as resource person organized by RHTI, Ongole on 28 December 2020 at Venkatachalam Palli and the farmers were explained about improved management practices in Papaya.



Dr. M. Mutyla Naidu, Principal Scientist (Horticulture) & Head, HRS, Darsi attended a training programme as resource person organized by RHTI, Ongole on 30 December 2020 at Patimedapalem and the farmers were explained about the improved management practices in vegetables.

Dr.K.Ravindra Kumar, Scientist (Horticulture) participated as resource person in four training programmes at Dip-pakayalpadu (v), Rajavaram (v), Saripalli (v) and Ramanujapuram (v) of Koyyalagudem mandal on “Creating awareness on Rugose Spirlinging White fly infestation and control measures in oil palm gardens” conducted by Department of Horticulture, Andhra Pradesh on 17 and 18 December 2020.



Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has participated in the awareness programme on “Farmer Producer Organization (FPO) on Cassava” organized by Department of Horticulture, Peddapuram at adopted village R.B.Patnam on 16 December 2020. PD, APMIP, East Godavari; ADH, Kakinada; Horticulture Officer, Peddapuram; Village

Horticulture Assistants, the village representatives, farmers and Grama sachivalayam employees have participated in the programme.

Dr.R.Rajyalakshmi, Sr. Scientist (Hort.), MRS, Nuzvid participated in training program on INM and IPM of Mango along with ADH-1, PPIC-APILIP, HO, VAAs, VHAs organised by Department of Horticulture, A.P on 19 December 2020 at Maddulaparva, Reddygudem mandal, Krishna Dt.



Dr.R.Rajyalakshmi, Sr. Scientist (Hort.), MRS, Nuzvid participated in training program on INM and IPM of Mango along with ADH-1, PPIC-APILIP, Venu Madhav, HO, VAAs, VHAs organised by Department of Horticulture,A.P on 21 December 2020 at Mylavaram, Krishna Dt.

Dr.B.K.M Lakshmi, Sr.Scientist (P.P) and Head, MRS, Nuzvid participated in training program on INM and IPM of Mango along with ADH-1, HO, VAAs, VHAs organised by Department of Horticulture, A.P on 23 December 2020 at villages:Nunna and Kothurutadepalli, Vijayawada Rural, Krishna Dt.



Dr.G.Sravanthi, Scientist (Ento.), MRS, Nuzvid participated in training program on INM IPM and IDM of Mango along with ADH-1, PPIC-APILIP, HO, VAAs, VHAs organised by Department of Horticulture, A.P on 28 December 2020 at Kondaparva, Krishna Dt.



On 16 December 2020, KVK, Venkataramannagudem conducted training on “Backyard poultry farming” to the poultry farmers and distributed one month old Aseel chicks (20 no.) to each beneficiary under ARYA (Attracting and Retaining Youth in Agriculture) project. Dr E.Karunasree, Principal Scientist & Head and Dr A.Devivaraprasad Reddy, Scientist (Fishery Science) KVK, V.R.Gudem have participated. This program was coordinated by Dr T.Vijaya Nirmala, Scientist (Veterinary Science).

On 30 December 2020, Sri. G. ShaliRaju, Scientist (Entomology), KVK, V.R.Gudem attended a training programme on “Organic cultivation of vegetables” at RHTI, Gopannapalem organized by Department of Horticulture, Eluru. Explained about Importance of Bio-fertilisers in organic farming and use of bio-control agents viz., parasitoids, predators, bio-pesticides and bio- fungicides against pest and diseases in vegetables.



On 31 December 2020, Sri. G. ShaliRaju, Scientist (Entomology), KVK, V.R.Gudem attended a training programme on “Organic cultivation of vegetables” at NOVA College, Jangareddygudem organized by Department of Horticulture, Eluru. Explained about Importance of bio-fertilisers in organic farming and use of bio-control agents viz: parasitoids, predators, bio-pesticides and bio- fungicides against pests and diseases in vegetables.

On 22 December 2020, KVK, Pandirimamidi has conducted One day District level training programme on improved cultivation practices in Cocoa sponsored by DCCD, Cochin. Dr.P.Lalitha Kameswari, Senior Scientist & Head, KVK, Pandirimamidi, addressed the farmers about the importance of intercropping of cocoa in coconut and oil palm. Sri Rama Mohan, DDH and PD, AP-MIP, East Godavari District attended as chief guest and addressed the farmers about the cultivation aspects, marketing, department subsidies etc. related to cocoa cultivation. Released a technical bulletin (telugu) i.e. Cocoa Sagu – Shastriya Yajamanya Paddhatulu. ADH, Rajahmundry and PD, ATMA also addressed the farmers regarding the importance of cocoa cultivation. Technical sessions on cocoa production, protection and marketing strategies were conducted by Sri K.C. Bhanumurthy, Scientist (Horticulture), KVK, Pandirimamidi, Dr. NBV ChalapathiRao, Principal Scientist (Entomology), HRS, Ambajipeta and Sri Ravindra, Assistant Manager, Mondalez company. In this programme, Sri Ravindra, Ruchi soya pvt. Ltd, Horticulture officers, Sri P Rajasekhar, Scientist (SS&AC), Dr. S. Adarsha, Scientist (Entomology), VHA’s and 113 farmers have participated.



Diagnostic Visits

On 18 December 2020, P Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi and Sri Sadgurumurthy, MAO, Addateegala has visited banana orchards at Thimapuram village of Addateegala mandal. Observed the unutilized drip system for fertigation purpose in banana field and explained the farmers about the advantages of fertigation in nutrient use efficiency, saving of cost & time over soil application of fertilizers followed by recommendation of timely fertigation schedule for achieving economic yields in banana.



On 21 December 2020, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited turmeric fields for diagnosis of pests and diseases at Mudireddipalli village of Mydukur mandal. Scientist observed rhizome rot disease in turmeric and suggested the soil drenching with ridomil @ 3g/l to the disease infected and surrounding plants for management of rhizome rot.

On 24 December 2020, Dr V.Yugandhar, Research Associate (Horticulture) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited tomato fields for diagnosis of pests and diseases at Savissettipalli village of S.A.Kasinayana mandal. Observed tomato spotted wilt virus infection and recommended for removal and destruction of infected plants followed by application of dimethoate or methyl-O-demeton @ 0.2% to control the spread of disease.



On 24 December 2020, Dr. V. Yugandhar, Research Associate (Horticulture) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta had visited cabbage fields for diagnosis of pests and diseases at Konarajupalli village of S.A.Kasinayana mandal. Observed cabbage butterfly in cabbage and suggested to spray Novaluron @ 0.1% or Spinosad @ 0.03% to control pest.

On 24 December 2020, Dr. V. Nagarjuna, Research Associate (Soil Science) and Dr.V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited Redgram fields for diagnosis of pests and diseases at Konarajupalli village of S.A.Kasinayana mandal. Identified Zn and K deficiency in red gram fields and suggested application of Zinc sulphate @ 2 gm/ lit and Potassium nitrate or Sulphate of Potash @ 5 g/l to rectify Zn and K deficiency.



On 28 December 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited papaya fields for diagnosis of pests and diseases at Mudireddipalli Thanda village of Mydukur mandal. Identified papaya leaf mosaic disease in papaya field and suggested removal and destruction of infected plants followed by spraying with Imidachloprid @ 0.3 ml/lit or Fipronil @ 2 ml/lit for controlling the vector transmitting virus.

Meetings

Dr.K.Uma Maheswari, Senior Scientist (Horticulture), Citrus Research Station, Petlur participated T & V Monthly Workshop on 30 December 2020 at Agriculture Research Station, Nellore organized by Commissioner of Agriculture, AP, Guntur.

Dr.A.Sujatha, DSA has participated in Brain storming session on “Honey Bees, Other Pollinators and Pollinizers in Horticulture” on 22 December 2020 in Zoom meeting organized by IAHS, New Delhi. She has given a presentation on “Products from Honey bees and Utilization of bee colony and waste for value addition and income generation” which was appreciated by Dr.Balraj Singh, Vice President, IAHS and Project Coordinator, AICRP on Honey bees & Pollinators, ICAR and other participants.



Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has participated in the World Aquaculture 2020 Webinar Series on “Next Generation Aquaculture, Innovation and Sustainability will Feed the World” from 14 to 16 December 2020 jointly organized by World Aquaculture Society and Singapore Food Agency.

Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has attended the “Training Program on Fisheries” under an agreed convergence of ICAR and Department of Fisheries, Government of India through virtually on 22 December 2020. Dr Trilochan Mahapatra, DG, ICAR has inaugurated the program and Dr RajivRajan, Secretary, Department of Fisheries, Govt. of India gave a presentation on “Doubling of fisheries production”. Dr. Suvarna, CE, NFDB has mentioned about the highlights of PMMSY program. This program was coordinated by Dr. JK Jena, DDG (Fisheries), ICAR, New Delhi.

Dr.E.Karuna Sree PS & Head, and Dr A.Devivaraprasad Reddy, Scientist, Dr T. Vijaya Nirmala, Scientist, KVK, VRGudem, P. Raja Sekhar, Scientist (SS&AC) and Dr. N. Chiranjeevi, Research Associate, KVK, Pandirimamidi, Mrs. Srividya Rani, N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta has participated in the Sixth edition of ‘India International Science Festival (IISF-2020)’ during 22 to 25 December 2020 through Virtual mode organised by Ministry of Science & Technology, Ministry of Health & Family Welfare and Ministry of Earth Sciences in association with Vijnana Bharati (VIBHA). Dr. A.Devivaraprasad Reddy presented two poster presentations on behalf of the progressive farmers on the “Holistic approaches for doubling of farmers income through integrated farming systems” by Mrs. Tellam Ramana and “Diversification of high value crops in agency area for enhanced income” by Mr. Kottam Mohan Rao on 24 December 2020 in the Agriculture Scientist Meet. Two farmers from adopted villages of KVK, Pandirimamidi were joined and displayed their success stories as poster. Farmers from KVK, Vonipenta A.Maheshwara Reddy and A.Raja Sekhar Reddy from Sunkulugaripalli and Madirepalli villages presented posters through Virtual mode.

Dr. N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi, has participated in National webinar on Recent molecular approaches for plant disease diagnosis-I on 17-12-2020, organized by SVAGC, Tiruapti, National webinar on Transboundary pests-threats to bio security and biosafety issues on 21 December 2020, organized by SVAGC, Tiruapti and International Web Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2020) 28-30, December 2020, organized by Astha foundation, Meerut, UP. India.

On 22 December 2020 Mrs. Srividya Rani, N, Scientist & Head and Dr V.Yugandhar, Research Associate (Horticulture) attended National webinar on World Fisheries Lecture Series-2020". In this webinar Dr Jie Huang, Director General, NACA delivered a lecture on "Biosecurity - The Concept to Guarantee the Sustainable Development of Aquaculture".

Dr. K. Usha Kumari, Assistant Professor (Horticulture) delivered a guest lecture on "Advances in Horticultural Production technology" on 23 December 2020 in view of Farmers Day Celebrations conducted at NIPHM, Rajendranagar, Hyderabad.

Visits

Dr. B. Baburao, Research Associate, explaining about the functioning of fruit grading and sorting line unit, cold storage and ripening chambers and processing of value added products at integrated pack house unit to Smt. J. Jyothi, tribal welfare officer from Eluru, West Godavari District, Andhra Pradesh who visited PHTRS, V.R.Gudem on 22 December 2020.



Phone-in-Live Programme

Dr B.Nagendra Reddy , Scientist (Entomology), CRS, Bapatla attended Phone-in-Live Programme on "Integrated Pest Management in Cashew" at Doordarshan Kendra, Vijayawada on 17 December 2020.

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

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

Date	Activities
16.12.2020	Kitchen Gardening Dr.E.Karunasree, Principal Scientist & Head, KVK, V.R.Gudem
17.12.2020	Disease Management in Betelvine Dr.P.Ramadevi, Senior Scientist & Head, HRS, V.R.Gudem
18.12.2020	Control Measures to Prevent Diseases in Prawn Culture Dr.A.Devivaraprasad Reddy, KVK, V.R.Gudem
21.12.2020	Symptoms and Control Measures for Coconut Spiralling Whitefly Dr.N.B.V.Chalaphthi Rao, Principal Scientist, HRS, Ambajipeta
22.12.2020	Management of Mango orchards during flowering and fruit development. Dr.R.Nagaraju, Principal Scientist & Head, HRS, Anantharajupeta

Date	Activities
23.12.2020	Management of T-Mosquito Bug in Cashew Dr.B.Nagendra Reddy, Scientist, CRS, Bapatla
24.12.2020	Integrated Pest Management in Papaya Dr.T.Nagalaksmi, Scientist, HRS, Anantharajupeta
26.12.2020	Management Practices for Curry Leaf and Moringa Cultivation Dr.M.Mutyala Nayudu, Principal Scientist & Head, HRS, Darsi
28.12.2020	Production of Organic Manures from Coconut Waste Dr.G.Ramanandam, Principal Scientist & Head, HRS, Kovvur
29.12.2020	Management of Viral Diseases Dr.T.Vijayalakshmi, Senior Scientist, HRS, Lam
30.12.2020	Mushroom Cultivation Shri G.Shaliraju, Scientist, KVK, Venkataramannagudem
31.12.2020	Tips in Kitchen Gardening N.Srividyarani, Scientist, KVK, Vonipenta

Recordings at Integrated Call Centre, Gannavaram

Dr. A. Snehalatha Rani, Scientist (Plant Pathology) and Smt.T.Vijaya Lakshmi, Senior Scientist (Path), HRS, Lam attended recording programme on “Pests and diseases of coconut and their management” and “Disease management in chilli” respectively on 23 December 2020 at Integrated Call centre, Gannavaram



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