

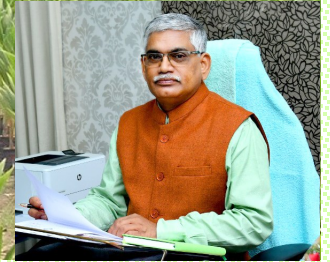


Dr YSRHU Year of Coconut 2020-21



Fortnight Focus

- Events
- Education
- Research
- Extension
- General



From Vice-Chancellor's Desk

COCONUT-A KALPA VRIKSHA

Sri Kurasala Kannababu garu, Hon'ble Minister for Agriculture & Co-operation, Government of Andhra Pradesh has kind enough to announce the year 2020-21 as "**Dr YSRHU Year of Coconut 2020-21**" in the webinar on "Coconut" organised by Dr YSRHU – HRS, Ambajipeta on 18th September, 2020 in the presence of Commissioner of Horticulture, Government of Andhra Pradesh. University Officers, Scientists / Teachers of Dr YSRHU, Officers of Department of Horticulture and Farmers have participated in the auspicious occasion.

Coconut is one of the most useful trees in the world, and is often referred to as the "Tree of Life" of "Kalpa Vriksha". It provides food, fuel, cosmetics, folk medicine and building materials. Coconut is a complete food rich in calories, vitamins and minerals. A medium-sized nut carrying 400 gr. edible meat and 150 ml of water may provide almost all the daily required essential minerals, vitamins and energy of an average sized individual. 100 gr. Kernel holds 354 calories, 100 gr. of fresh meat contains 350 mg or 7.5% of daily required levels of potassium. Coconut oil is an excellent emollient agent.

Dr YSRHU scientists of HRS, Ambajipeta, East Godavari district has released 2 varieties, 4 hybrids in coconut and developed coconut production, protection and value added technologies, very specifically bio-control of insect pests and diseases of coconut and dissemination technologies by HRS, Ambajipeta and KVKs under Dr YSRHU.

As a part of Dr YSRHU Year of Coconut 2020-21 planned and proposed to organize coconut plantation drive, commercialization of technologies, obtaining IC numbers from NBPGR, submission of varieties for CVRC, webinars, training programs, phone-in programs, farmers-scientists interaction meetings, National & International seminars, coconut mela, elocution and essay writing competition to students, web series on coconut technologies release of souvenir etc.

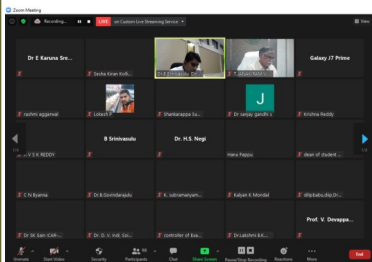
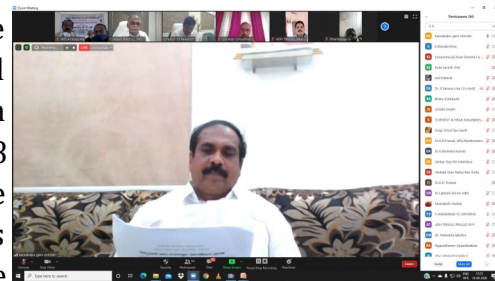
THE GRASS IS ALWAYS GREENER UNDERNEATH A COCONUT TREE

Dr T.Janakiram
Vice-Chancellor

The Events

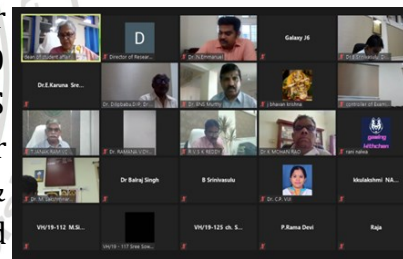
Dr.YSRHU Year of Coconut 2020-21

Sri Kurasala Kannababu garu, Hon'ble Minister for Agriculture & Co-operation, Government of Andhra Pradesh has announced the year 2020-21 as "Dr YSRHU Year of Coconut 2020-21" in the webinar on Coconut organised by HRS, Ambajipeta on 18 September 2020 in the presence of Dr T.Janakiram, Hon'ble Vice-Chancellor, Dr YSRHU. All the university officers, scientists of Dr YSRHU and officers from Department of Horticulture have participated in the webinar. In this connection, Hon'ble Vice-Chancellor, Dr YSRHU has conducted a review meeting with the scientific staff of HRS, Ambajipeta and the university officers on the series of programmes on coconut to be conducted in association with Department of Horticulture, Coconut Development Board, Coir Board, progressive farmers, coconut entrepreneurs and the students to make the year of coconut successful. The webinar started with the welcome address by Dr R.V.S.K. Reddy, Director of Research, Dr YSRHU.



Dr YSRHU-Plant Protection Advisory Cell conducted online state-level webinar on "Advances in Plant Pathology with Special Reference to Diagnosis and Management" on 16 September 2020 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. University Officers and faculty of Dr YSRHU participated in the webinar and interacted after the presentations with participants.

Dr A.Sujatha, Dean of Student Affairs & PI, IBDC, organized a webinar through on "Apiculture in Andhra Pradesh" on 19 September 2020 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. Dr B.N.S Murthy, Horticulture Commissioner, DAC & FW, Govt. of India, Dr Balrajsingh, Programme Coordinator, ICAR- AICRP on Honeybees & Pollinators, University Officers and faculty of Dr YSRHU participated in the webinar and interacted after the presentations with participants.



Dr YSRHU-Farmers Advisory Cell conducted online state-level webinar on "From Home to Entrepreneurship – Ways of Encouragement for Women through Government" on 30 September 2020 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. University Officers and faculty of Dr YSRHU, Officers from Department of Horticulture and farmers participated in the webinar and interacted with participants.

Education

RHWEP Activities

In the midst of COVID-19 pandemic, ICAR-Students were assigned to carry out their RHWE Programme in their native states of Kerala, Orissa, Andaman and UP. Students have selected diversity of crops for their biometric observations and they were enthusiastically involved in various Horticultural practices like tapping of rubber latex, separation of arils from nutmeg, planting of marigold seedlings, spraying of fungicides for banana, harvesting of bhendi, weeding in turmeric and raising coconut seedlings in polybags etc., along with their host farmers.



On 28 September 2020, KVK, Venkataramannagudem conducted online RHWEP review meeting to 42 B. Sc horticultural students of Dr YSR horticultural university. This program was coordinated by Dr V. Deepthi, Scientist (Agricultural Extension) KVK, VR Gudem and reviewed the students on going activities.



The NSS Cell, College of Horticulture, Anantharajupeta organized a webinar on “Boosting Student Morale during COVID-19 Pandemic” on 23 September 2020. Dr. T. Janakiram, Hon’ble Vice-Chancellor, Dr. YSRHU, the chief guest gave keynote address and released the videos and charts on awareness of COVID-19 prepared by NSS volunteers of the college. The programme was presided over by Dr A. Sujatha, Dean of Student Affairs & NSS Programme Cordinator ,Dr.YSRHU. Dr

M. Lakshminarayana Reddy, Dean of Horticulture & Dean of P.G. Studies gave valuable suggestions on morale boosting. The deliberations by all the guest speakers, Dr. G.A.K. Kumar, Principal Scientist (Extension), NRRI, Cuttack, Dr V. Vanajakshamma, Professor (Cardiology), SVIMS, Tirupati, Sri. Sudheer Sandra, Psychologist & Career Counsellor, Hyderabad, Dr. K. Ramesh Reddy, State NSS Officer, AP and Dr Kadiri Mohan, Scientist (Agril. Extension), ANGRAU were very informative which motivated the participants in various aspects like self-learning, maintenance of physical and mental health, participation in community development, time management and catching up of online educational resources for career building etc., Excellent feedback was received from the participants. All the University Officers, Associate Deans, NSS Programme officers, staff and students from all Degree and Polytechnic colleges of Dr. YSRHU actively participated in the webinar. The programme was convened by Dr B. Srinivasulu, Associate Dean and NSS Programme Officers, Dr M. Jayaprada, Assistant Professor (GPBR) and Dr Lalitha Kadiri, Assistant Professor (Agro.), College of Horticulture, Anantharajupeta.

Research

Dr B.V.K. Bhagavan, Principal Scientist (Hort.) visited Kadiyam, Dosakayalapalli & Nandarada on 29 September 2020 for survey and collection of Gangabondam male flowers for Hybridization work as there is a lot of shortage in pollen availability.

Dr P. Rama Devi, Senior Scientist (Plant Pathology), HRS, Venkataramannagudem recorded two new diseases *i.e.*, blotches on stems of *Euphorbia tirucalli* and leaf spots on *Andrographis paniculata*, medicinal plants and the causal organism is to be identified.



Dr P. Rama Devi, Senior Scientist (Plant Pathology), HRS, Venkataramannagudem recorded the incidence of two pests, chaffer beetle (>90%) and ash weevil (<5%) on *Achyranthus aspera*, a medicinal plant.

Extension Activities

Poshan Abhiyan-Poshan Maah and Trainings on Nutri-Gardens and NutriThali

All the KVKs of Dr YSRHU celebrated Poshan Maah Programme on 17 September 2020 by inviting Anganwadi Workers and Farm Women to KVK. Training on Nutri-garden and Nutri-Thali was conducted to the participants and distributed kitchen garden seed kits provided by IFFCO to KVKs.



KVK, Venkataramannagudem



KVK, Periyavaram



KVK, Vonipenta



KVK, Pandirimamidi

Training Programmes

On 18 September 2020, KVK, Venkataramannagudem conducted one day training programme on production of Vermicompost and bio fertilizers to PKVY cashew farmers. Dr. T. Vijaya Nirmala, Scientist (Veterinary Science) explained about the production technology of vermicompost followed by a visit bio fertilizer unit and explained the production technology as well as packing of different biofertilizers. On the same day KVK distributed organic inputs like vermicompost, KRB, VAM to the cashew farmers. This programme was coordinated by Dr K. Venkata Subbaiah, Scientist (Horticulture), Dr U. Siva Kumar, Research Associate (SSAC).



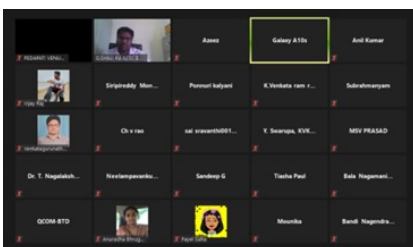
On 22 September 2020, KVK, Venkataramannagudem conducted training program on “Importance of concentrate feeding in ewes/does and creep feeding in lambs/kids” to the shepherds and Animal Husbandry Assistants (AHA) of Avupadu and Singarajupalem villages of Nallajerla mandal and distributed concentrate feed to farmers under front line demonstration on “Demonstration of concentrate feeding to ewes/does and creep feeding to lambs/kids on mortality reduction and growth rate” for the year 2020-21. This program was coordinated by Dr T.Vijaya Nirmala, Scientist (Veterinary Science), KVK, VR gudem and Dr K.Vamsi, Veterinary Assistant Surgeon (VAS), Department of Animal Husbandry, Nallajerla.

Dr A.Devivaraprasad Reddy, Scientist, KVK VRGudem has attended Dr YSR Matsya Sagu Badi (MSB) program organized by Department of Fisheries, Government of Andhra Pradesh at M.M.Puram, Amberpeta of Pulla Mandal, Raichur, Ravulaparru of Unguturu Mandal, West Godavari District on 22 and 23 September 2020 respectively. Interacted with farmers and enlightened about the seasonal diseases occurring in fish and shrimp, preventive care to be taken and use of probiotics in aquaculture.



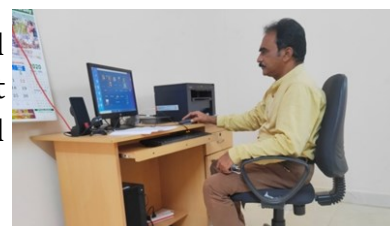
On 19 and 23 September 2020, KVK, Periyavaram conducted training programmes on “Nutri-garden importance and its establishment” at Periyavaram and Kurjagunta villages of Venkatagiri mandal respectively. Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram acknowledged the farmers about the role of nutri-garden establishment and utilization in health security during this COVID-19 pandemic. Dr P. Avani, Research Associate (Horticulture) gave detailed explanation on establishment of nutri-garden and different vegetables to include in kitchen garden. Later vegetable seed kits were distributed to all the participants and rally was conducted with the slogan ‘Samathulya aaharam-Aarogya vidhanam’. Dr.P.Manajri (Scientist, Veterinary science) participated as a Nodal officer for Poshan-Mahan programme.

Awareness programme on “Nutri Thali and Balanced Diet” was conducted on 26 September 2020 by KVK, Periyavaram to create awareness among farm women and practicing farmers regarding the importance of balanced diet. Emphasized on that for all round development of children and good health of pregnant women consumption of fresh vegetables as well as consumption of meat and eggs is important. Follow-up visit to vegetable gardens of the farmers to whom vegetable kits were given. Encouraged the farmers for rearing of dual purpose backyard poultry for obtaining both meat and eggs which would ensure nutritional security as well as economic stability.



KVK, Venkataramannagudem conducted Vocational Skill training programme on “Mushroom Production Technology” from 28 to 30 September 2020 in virtual mode. Various topics viz: Types of Mushrooms, Nutritional and Medicinal value of Mushrooms, Cultivation of Milky, Oyster & paddy straw mushroom, Low cost technologies for mushroom cultivation in Andhra Pradesh, Spawn Production technology, Pests and Diseases of Mushrooms, Mushroom culture preparation and preservation, Post-Harvest Management and Value addition of Mushrooms have been explained by experts from TNAU, ANGRAU and NIPHM. A total of 100 participants have participated in this training programme. Sri G.ShaliRaju, Scientist (Ento.), KVK, V.R.Gudem has co-ordinated the training programme.

On 26 September 2020, Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram participated in webinar on “Integrated pest and disease management in acid lime” as resource person conducted by District Resource Centre, Nellore.

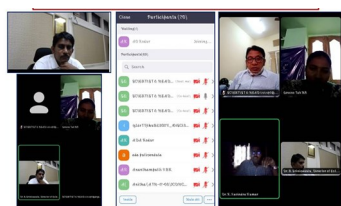


A training programme was conducted on Nutri thali and Nutri-garden at Bangarupeta and Mandallilu Anganwadi centers of Venkatagiri mandal on 30 September 2020 with the aim to establish Nutri-gardens at these Anganwadi centers and create awareness among the Anganwadi workers regarding the importance of Nutri thali and balanced diet for good health of children and pregnant women. Dr B.Govinda Rajulu, Principal Scientist and Head, KVK, Periyavaram emphasized that for proper health balance consumption of cereals, pulses, vegetables, eggs, milk along with millets is necessary. He also emphasized that for continuous supply of good quality vegetables, establishment of nutri gardens at Anganwadi centers is of great importance and distributed vegetable kits to the Anganwadi workers. The programme was coordinated by Dr P.Manjari, Scientist Veterinary Science and Nodal officer, Poshan Maah. Mrs Jyothi, CDPO, Venkatagiri Project attended the programme.



On 28 September 2020, KVK, Pandirimamidi has conducted off campus training program on “Improved Cultivation Practices of Tapioca” and addressed the farmers on improved and high yielding varieties in tapioca, method of application of fertilizers, integrated management of pests and diseases and cultural operations to be followed. Sri Bhanu murthy K.C, Scientist (Horticulture) coordinated the program. 28 farmers and technical assistants from Tanager-NGO participated.

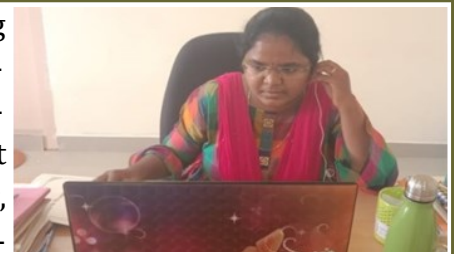
On 25 September 2020, P. Raja Sekhar, Scientist (SS&AC) and Dr S.Adarsha, Scientist (Entomology), KVK, Pandirimamidi has conducted an off-campus training programme on Nutrient Management in Cotton at RBK centre, Thimmapuram village of Addateegala mandal. Farmers were taught about nutrient deficiency symptoms especially magnesium, boron, zinc in cotton, its identification based visual symptoms on leaves at different stages and correction measures through foliar application of these nutrients in cotton and also explained about pest management especially for sucking pest and cotton pink boll worm. MAO, Addateegala, and VAAs have also participated.



Topics Covered: 1. Cultivation aspects
2. Fertilizer management and INM
3. Pests and Disease management

On 18 September 2020, KVK, Vonipenta conducted virtual training programme on “Best management practices in Banana”. The programme had started with the inaugural address of Sri Chandra Naik, PD, ATMA. Dr V.Yugandhar, RA, (Horticulture), addressed the farmers on cultivation aspects and varieties in Banana, Dr K.Ravindra Kumar, Scientist (Hort), HRS, Kovvuru explained on fertilizer management, INM Practices, fertigation schedule, micro-nutrient deficiency and their management. Sri G.Sandeep Naik, Scientist (Plant Pathology) and Head from KVK, Vonipenta addressed the participants on pest and disease management in Banana. Director of Extension, Dr YSRHU addressed the members to focus on nematode problem in all the crops, not to use suckers in banana planting, to prefer NRC banana varieties or new varieties, to provide spraying schedule to the farmers in Integrated manner, establish demo unit on organic cultivation of banana, total package of organic cultivation to be provided and make it as a model unit, to focus on value added products in banana. A total of 70 VHAs, VAAs and farmers attended the programme.

On 21 September 2020, KVK, Vonipenta conducted online training programme on “Importance of Intercrops in Horticultural and Agricultural crops”. Sri G.Sandeep Naik, Scientist and Head gave introduction regarding the importance of intercrops. Scientist (Extension) covered the topics on Advantages of intercropping, crops to be selected, weed management, pest and disease management and various intercrops to be grown in agricultural and horticultural crops. In this program about 42 participants have participated. Srividya Rani.N, Scientist (Extension) coordinated the program.



On 28 September 2020, KVK, Vonipenta conducted online training to the farmers on “Integrated Nutrient Management in Horticultural Crops” at KVK, Vonipenta. The scientist explained the importance of Integrated Nutrient Management in plant nutrition and the importance of application of organic manure for restoring the soil health. The optimum application of fertilizer reduces the cost on cultivation. Sri G.Sandeep Naik, Scientist and Head, Srividya Rani.N, Scientist (Extension) and Dr V. Nagarjuna, Research Associate (Soil Science) co-ordinated the programme and 47 members were participated.

On 25 September 2020, technical team of KVK, Vonipenta conducted Krishi Kalyan Abhiyaan-3 with a theme of Diversified farming systems at Nagasanipalli village of Khajipeta mandal. In this programme, Sri G.Sandeep Naik, Scientist and Head addressed the farmers on pest and disease management in Turmeric, Papaya, Chilli and Paddy. Dr V.Nagarjuna, addressed the farmers on Importance of bio-fertilizers in agriculture and INM practices in major crops. Srividya Rani.N, Scientist (Extension) and Dr V.Yugandhar, RA (Horticulture) addressed the farmers on importance of Integrated Farming system and models of IFS. Sri G.Surendra, VHA, Nagasanipalli and 30 farmers have participated in the program.



On Farm Trials

On 16 September 2020, Dr P.LalithaKameswari, Senior Scientist & Head and Dr S.Adarsha scientist (Entomology), KVK, Pandirimamidi visited Bhendi fields under OFT on Assessment of Bhendi hybrids resistant to YVMV at Irlapalli and I.Polavaram villages of Rampachodavaram mandal. Crop is at harvesting stage.



On 24 September 2020, Scientists of KVK, Pandirimamidi distributed CO-5 and Super napier cuttings to the beneficiary farmers from Burugupudi and Dhosakayalapalli villages of Korukonda mandal under OFT “Assessment of fodder varieties co-5 and super napier”.

On 21 September 2020 Dr V. Nagarjuna, Research Associate (Soil Science) and Srividya Rani.N, Scientist (Extension), Krishi Vigyan Kendra, Vonipenta had conducted a follow up visit for OFT on “Assessment of Arka Microbial Consortium in tomato for growth and development” at Adireddypalli village of Mydukur mandal. Observed submergence of tomato seedling and suggested foliar application of 2 % urea solution to mitigate the flooding condition.



On 23 September 2020, KVK, Vonipenta provided tomato seedlings to the beneficiary farmers under OFT on “Introduction of multiple disease resistant hybrid Arkha Abhed in Tomato at Sunkulugaripalli village of Mydukurmandal. Sri.G.Sandeep Naik, Scientist and Head monitored transplanting of tomato seedlings and explained the INM and IPDM practices to be followed in tomato for getting higher yields.

On 24 September 2020, Srividya Rani.N, Scientist (Extension), Dr V. Nagarjuna, Research Associate (Soil Science) and Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta have conducted a follow up visit for OFT on Nutrient management in Banana through fertigation schedule at Sunkulugaripalli village of Mydukur mandal. The scientist suggested the fertilizer dose according to Dr YSRHU fertigation schedule (8.8 gm Urea and 7.1 gm MOP per plant in between 15-24 weeks of planting at 3 days interval) and distributed the critical inputs to the farmers.



Diagnostic Visits

On 23 September 2020, Sri G.Sandeep Naik, Scientist and Head, KVK, Vonipenta visited Papaya fields for diagnosis of pests and diseases at Sunkulugaripalli village of Mydukur mandal. Observed Collar rot disease due to heavy rains. Suggested to drain the excess water followed by soil drenching with Copper-Oxy-Chloride @ 3gms/litre at the root region.



On 23 September 2020, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited acid lime fields for diagnosis of pests and diseases at Konarajupalli village of S.A.Kasinayana mandal. Observed citrus canker disease and suggested to go for pruning of badly infected twigs followed by spraying of Streptocycline @ 1g + Copper oxy chloride @ 30 g/ 10 lit at 20 days interval.

On 23 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited tomato fields for diagnosis of pest, disease incidence and nutrient deficiency at K.N.Kottala village of S.A.Kasinayanamandal. Scientist identified the blossom end rot in tomato and suggested to spray Calcium chloride @ 0.5%.



On 29 September 2020, Dr K. Ravindra Kumar, Scientist (Hort.), HRS, Kovvur along with AO and HO visited Grand naine banana fields in Chagallu and observed heavy incidence of *Erwinia* rhizome rot. Recommended to apply 8-10 grams bleaching powder per plant followed by drenching with Copper hydroxyl chloride @ 2 grams/lit to control the disease along with proper drainage in field.



Dr B.K.M. Lakshmi, Sr.Scientist (Plant Pathology) and Head, Dr G.Sravanthi, Scientist (Entomology), MRS, Nuzvid visited coconut field infested with rhinoceros beetle and suggested remedial measures on 21.9.2020.

Dr B.K.M. Lakshmi, Sr.Scientist (P.P) and Head, Dr.G.Sravanthi, Scientist (Entomology), MRS, Nuzvid visited mango field infested with sucking pests and demonstrated spraying of neem oil @ 3ml/l on 23 September 2020 at kalagara village.



Dr G.Sravanthi, Scientist (Entomology), MRS, Nuzvid visited guava field infested with fruitfly and erected Methyl Eugenol lures for managing the fruitfly on 23 September 2020.

On 18 September 2020, Dr S.Adarsha scientist (Entomology), KrishiVigyan Kendra, Pandirimamidi observed fusarium wilt in ridge gourd fields and recommended soil drenching with Copper oxy chloride @ 3g/l for control of further spread of infection.



On 23 September 2020 Dr P.Lalitha Kameswari, Senior Scientist & Head and Dr S.Adarsha scientist (Entomology) from KrishiVigyan Kendra, Pandirimamidi visited brinjal and bhendi fields at I.Polavaram village of Rampachodavaram mandal. Observed brinjal fruit and shoot borer and leaf roller infestation in brinjal, *Spodoptera litura* infestation in bhendi and suggested the measures for control of pests.

On 26 September 2020, Sri Bhanumurthy K.C, Scientist (Horticulture) of KVK, Pandirimamidi visited tapioca fields at Nellipudi village of Gangavaram mandal. The crop is at 125 days old stage, observed water logging in fields due to continuous rains, also cassava mosaic disease and suggested the measures to be followed to farmers.



On 22 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited banana fields for diagnosis of pests and diseases at Thimmayapalli village of Mydukur mandal. Scientist observed whitefly in banana fields and suggested to spray acetamiprid @ 0.1%.

On 25 September 2020, Sri G.Sandeep Naik, Scientist and Head & technical team of KVK, Vonipenta visited banana fields for diagnosis of pests and diseases at Patturu village of Khajipeta mandal. Scientists observed Sigatoka leaf spot and suggested farmers to spray Propiconazole @ 1 ml or Saaf @ 1 gm or Nativo @ 1.4 gms+Mineral oil @ 10 ml per litre of water 3 to 4 times @ an interval of 20 days for effective control. Explained about the bunch management practices to be followed in banana.



Front Line Demonstrations

On 19 September 2020, KVK, Periyavaram distributed Bhendi hybrid CO-4 and Arka Abhay seeds to the beneficiary farmer at KVK and provided awareness on ICM practices and distributed Bhendi ICM pamphlet to the farmer for further reference. Dr P. Avani, Research associate (Horticulture) coordinated the programme.



On 25 September 2020, Dr P.Manjari, Scientist, Veterinary Science, KVK, Periyavaram initiated FLD on demonstration of Bypass fat as feed supplement of buffalo.

On 26 September 2020 Dr E Karunasree, Principal scientist and Head and Dr V Deepthi, Scientist (Agricultural Extension), KVK, V.R.Gudem went to the Pandugudem village of Buttaiahgudem mandal and distributed the kitchen garden kits to the tribal women for raising community kitchen gardens and also created awareness on vegetable cultivation.



On 26 September 2020 Dr E Karunasree, Principal scientist and Head and Dr V Deepthi, Scientist (Agricultural Extension) KVK,VR Gudem went to the cashew fields of Kamayyakunta village of Buttaiahgudem mandal, demonstrated the pruning activity in cashew and also explained the advantages of staggered contour trenches and also demonstrated how to make trenches in cashew fields.

On 17 September 2020 Dr N. Chiranjeevi (Plant Pathology), Research Associate, KVK, Pandirimamidi distributed mineral salt licks to the beneficiary farmers from Seethapalli and Thallepalem villages of Rampachodavaram mandal under FLD "Demonstration of mineral salt licks for open grazing goat".



On 25 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited turmeric fields for follow up under FLD at Settivaripalli village of Mydukur mandal. Scientist explained about fertilizer management and disease management during the plant development

On 18 September 2020 and 19 September 2020, Suneetha Runjala, RA (Home Science), Srividya Rani.N, Scientist (Extension) and Dr V.Nagarjuna, RA (SSAC) have conducted Poshanmaah programme at Adireddypalli and Mudireddypalli villages of Mydukur mandal. Scientists interacted with farm women regarding the importance of growing nutri gardens near their homes and fields.



Provided Nutri-kits and exhibited the demo model plot of Kitchen garden grown by the farmers. In this programme Anganwadi kendra workers and 28 farm women have participated.

On 25 September 2020, P Raja Sekhar, Scientist (SS&AC), KVK Pandirimamidi has visited cotton fields under FLD on 'Exogenous application of plant nutrients and growth promoter for yield enhancement in rainfed cotton' at Thimmapuram village of Addateegala mandal and provided critical inputs to beneficiary farmers under TSP-2020-21. Observed magnesium deficiency and monitored the scheduled sprayings of magnesium sulphate @ 1 % and urea @ 2% at 60 days after sowing as part of demonstration.



On 19 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited Papaya fields for initiation of FLD on "Demonstration on Fertigation schedule in Papaya" at Aravetipalli village of Muddanur mandal. During the visit scientist explained Fertigation schedule as per Dr YSRHU recommendations in Papaya.

On 23 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited Banana fields for 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, weed and water management in Banana.



On 25 September 2020, Srividya Rani, Scientist (Extension) and Sri



G.Sandeep Naik, Scientist and Head, KVK, Vonipenta initiated FLD on "Assessment on performance of fodder variety Super Napier" at Adireddypalli village of Mydukur mandal. Provided fodder slips, explained the method of planting and advantages of fodder variety Super Napier among other fodder crops.

On 28 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta had visited acid lime fields for follow up under FLD on "Flower regulation in Acid lime" at Ponnampalli village of Mylavaram mandal. Scientist explained spraying of Gibberellic acid, Cycocel and Potassium Nitrate for flower regulation and getting higher yields in summer crop followed by demonstration on spraying of Cycocel @ 1000 ppm on acid lime plants.



Activity at University Museum

At Dr YSRHU - University Museum landscaping with ornamental plants and Mexican grass Satya deva nursery team, Kadiyapulanka visited the museum at Dr YSR horticultural university on 25 September 2020 and they laid ornamental plants and mexican grass (lawn) inside the museum Dr T.Janakiram, Hon'ble Vice Chancellor, Dr B. Srinivasulu, Director of Extension, and Dr D. VenkataSwamy, University Library visited the museum. In this program, Dr E.KarunaSree, Principal Scientist & Head, KVK and Dr V. Deepthi, Scientist (Agricultural Extension), KVK, VR Gudem also participated.



Meetings

Dr N.B.V. Chalapathi Rao, Principal Scientist (Entomology) participated and gave a lead talk in the webinar on "Rugose spiralling whitefly in coconut" organized by Navasari Agricultural University, Gujarat on 19 September 2020.

Scientists of HRS, Ambajipeta participated in the webinar on "Intra and Interpersonal skills for professional excellence" on 24 September 2020 organized by Dr. YSR Horticulture University, VRGudem.

Scientists of HRS, Ambajipeta participated in the review meeting conducted by Project coordinator, AICRP (Palms) through google meet on 28 September 2020 on progress of work at HRS, Ambajipeta.

Scientists of HRS, Ambajipeta participated in the EPC meeting conducted by AICRP biological control through online meeting on 30 September 2020

Smt G. Sarada, Assistant Professor (Entomology), CoH, Anantharajupeta has attended five days online training programme on "Fruit fly Surveillance and Management" from 21 to 25 September 2020 conducted by NIPHM, Hyderabad.

Dr D. Srinivas Reddy, Senior Scientist (Entomology), Citrus Research Station, Tirupati attended Mid term review of AICRP Fruits project on "Evaluation of new acaricide against Citrus mite" through webinar on 21 September 2020.

Dr D. Srinivas Reddy, Senior Scientist (Entomology), Citrus Research Station, Tirupati attended Mid term review of AICRP Fruits project on "Efficacy of different repellents against fruit sucking moths" webinar on 24 September 2020.

Dr T.Rajasekharam, CRS, Tirupati attended Mid term review of AICRP Fruits project on "Screening of promising rootstocks against root rot in Citrus" through webinar on 23 September 2020.

Dr K T V Ramana and Dr L. Mukunda Lakshmi, CRS, Tirupati attended Mid term review of AICRP Fruits project on "Assessment of phenology, productivity and incidence of insect pests and diseases in citrus grown under varying climatic conditions a) Mandarin b) Sweet orange c) Acid lime" through webinar on 28 September 2020.

Dr L. Mukunda Lakshmi, CRS, Tirupati attended Mid term review of AICRP Fruits project on "Nutrient management under high density planting in Acid Lime and Sweet Orange" through webinar on 29 September 2020.

Dr L. Mukunda Lakshmi, CRS, Tirupati attended Mid term review of AICRP Fruits project on “Standardization of stage wise requirement of nutrients in citrus b) Sweet orange” through webinar on 30 September 2020.

Dr R. Nagaraju, Principal Scientist (Horticulture) and Head, Dr D. Sreedhar, Scientist (Horticulture), and Dr T.Nagalakshmi, Scientist (Plant Pathology), HRS, Anantharajupeta, delivered lectures on “Adhika varshala lo vudhyana pantalalo teesukonavalasina jagrattalu” as resource persons to the village Assistants, MPEOs and Farmers of YSR Kadapa district attended through Raitu Bharosa Kendras on webinar organized by Department of Horticulture on 24 September 2020. Deputy Director of Horticulture, Assistant Director and Horticulture Officers, of YSR Kadapa district were also present and discussed on various problems due to continuous rains in various horticultural crops and remedial measures.

Dr T. Naga Lakshmi, Scientist (Plant Pathology), HRS, Anantharajupeta attended an on-line training programme on ‘On-Farm Production of Biocontrol Agents and Microbial Biopesticides’ from 14th to 18 September 2020 organized by NIPHM, Hyderabad.

Dr T. Naga Lakshmi, Scientist (Plant Pathology), HRS, Anantharajupeta attended Mid-term Review of AICRP Fruits Project on “New and emerging diseases of papaya ” through webinar on 23 September 2020.

Dr R.Naga Lakshmi, Senior Scientist (Hort), HRS, Kovvur participated in the webinar entitled “Mechanization in value addition of banana and generation of wealth from banana pseudostem waste” organized by ICAR- Central Institute of Agricultural Engineering, Regional Centre, Coimbatore, Tamil Nadu on 18 September 2020.

Dr K.Mamatha, Senior Scientist (Horticulture) Dr R.Naga Lakshmi, Senior Scientist (Horticulture) and Dr K. Ravindra Kumar, Scientist (Horticulture), HRS, Kovvur participated in the National webinar on "Statistical Computing Using R" from 28-30, September-2020 organized by Department of Statistics & Computer Applications, Agricultural College, Bapatla, ANGRAU.

On 21 September 2020, Dr S.Adarsha Scientist (Entomology), KVK, Pandirimamidi and Sri G.Sandeep Naik, Scientist and Head, KVK, Vonipenta participated in virtual training program on “Mass production and quality testing of microbial pesticides for management of crop pests and diseases” organised by Indian Institute of Oilseed Research, Hyderabad

P Raja Sekhar, Scientist (SS&AC), Krishi Vigyan Kendra, Pandirimamidi has participated in “A National Level Consultation on Principles and Practices of Bharatiya Prakritik Krishi Paddhathi (BPKP) (Natural Farming)” through webex held under the Chairmanship of Vice-Chairman, NITI Aayog from 29 to 30 September 2020.

Visits

Centurion Agricultural University students visited KVK, Venkataramannagudem on 16 September 2020. In this program students visited KVK demonstration plots like azolla unit, vermicompost unit, organic vegetable demonstration plot, Nursery. Later explained about the KVK mandate activities and other extension activities Dr V. Deepthi, Scientist (Agricultural Extension), KVK, Venkataramannagudem coordinated the programme.



HRD

Dr T. Vijaya Nirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem attended online training program on Innovative ideas for Entrepreneurship development in livestock sector” conducted by MANAGE, Hyderabad from 14 to 17 September 2020.

On 28 September 2020, KVK, Venkataramannagudem conducted drawing/painting and singing competitions on the life of the Mahatma Gandhi to the children of currently working KVK staff as part of the week long celebrations of 150th birthday on 2nd October 2020 of the Father of the Nation Mahatma Gandhiji. This program was coordinated by Dr T.Vijaya Nirmala, Scientist (Veterinary Science) and Dr E.Karunasree, Principal Scientist and Head, KVK, Venkataramannagudem.



Publications

Ruth C, Bhat MN, Sardana HR, Gopal K and Srinivasulu B. 2020. Occurrence of Fusarium wilt disease and pest population in IPM and Non-IPM fields of chilli *Capsicum annum* L. in Andhra Pradesh. *Journal of Entomology and Zoology Studies* SP-8(4): 08-15.

Sairam K, Gopal K, Arunodhayam K, Ruth Ch. Ramaiah M and Nandini MLN. 2020. In vitro evaluation of fungal antagonists against purple leaf blotch of onion (*Alternaria porri*) *Journal of Entomology and Zoology Studies* SP-8(4): 77-80.

GS Thanuja, B Srinivasulu, KM Yuvaraj, K Giridhar, U Umakrishna and P Latha. 2020. Effect of organic manures, plant growth promoting rhizobacteria and micronutrients on growth, grain yield and quality of Ajwain (*Trachyspermum ammi* L.). *Journal of Pharmacognosy and Phytochemistry*, 9 (5): 1864-1870.

PS Pawar, L Mukunda Lakshmi, PS Shirgure and Prakash Patil. 2020. Standardization of stage-wise water requirement in sweet orange (*Citrus sinensis* L.Osbeck) cv. Mosambi, *Journal of Pharmacognosy and Phytochemistry* 9(5): 1566-1570.

K. Ravindra Kumar, Kanwar Pal Singh, D. V. S. Raju, Reeta Bhatia and Sapna Panwar. 2020. Maternal haploid induction in African marigold (*Tagetes erecta* L.) through *in vitro* culture of un-fertilized ovules. *Plant Cell, Tissue and Organ Culture (PCTOC)*.

A Reshma, K Mamatha, BVK Bhagavan, A Snehalatha Rani and DR Salomi Suneetha. 2020. Genetic characterization of seedling progenies of elephant foot yam *Amorphophallus paeoniifolius* (Dennst.) for quantitative traits through principal component analysis. *International Journal of Chemical Studies* 2020; 8(5): 1256-1258.

Sravanthi guntupalli, Kanaka Maha Lakshmi and Rajya Lakshmi. 2020. Brief review of *Haematorhophus* spp. (Hemiptera: Reduviidae). *Insect Environment* (22):115-119 .

Phone-in-Live Programme

Dr C.Sarada, Principal Scientist (Horticulture), HRS, Lam attended Phone-in-Live Programme on “Mirapalo Melaina Yajamanya Paddathulu” at Doordarshan Kendra, Vijayawada on 17 September 2020.

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

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

Date	Activities
16.09.2020	Training and pruning in cocoa Dr M.Tirupati Reddy, Sr.Scientist & Head, HRS, Vijayarai
17.09.2020	Advances in papaya cultivation Dr Y.Sharath Kumar Reddy, Scientist, HRS, Anantharajupeta
18.09.2020	Value added products & uses of Palm Sri P.C.Vengaiah, Scientist, HRS, Pandirimamidi
19.09.2020	Turmeric Production Technology Dr K.Giridhar, Sr.Scientist, HRS, Lam
21.09.2020	Plant Protection in chilli cultivation Dr K.Sireeha, Senior Scientist, HRS, Lam
22.09.2020	Nursery management in cashew Dr K. Umamaheswararao, Scientist, CRS, Bapatla
23.09.2020	Management of mealybug infesting different crops Dr P.Vijayalakshmi, Associate Professor, Horticultural Polytechnic, Nuzvid
24.09.2020	Protected Cultivation Dr M.Ravindara Babu, Sr.Scientist, HRS, Venkataramannagudem
25.09.2020	Ginger cultivation and management practices Dr V.Shiva Kumar, Scientist, HRS, Chintapalle
26.09.2020	Curry leaf and moringa crops management practices Dr M.Mutyala Naidu, Principal Scientist & Head, HRS, Darsi
28.09.2020	Chilli Production Technology Dr C.Sarada, Principal Scientist, HRS, Lam
29.09.2020	Precautions to be taken in Shrimp culture during rainy season Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, V.R.Gudem.
30.09.2020	Disease management in cashew Dr N.Chinrajeevi, Research Associate, KVK, Pandirimamidi

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