



# Dr YSRHU e-Newsletter

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

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Dr YSRHU e-Newsletter

1-15 September 2020



## Fortnight Focus

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## From Vice-Chancellor's Desk

### HORTI-EDUCATION

**“EDUCATION is the most powerful weapon which you can use to change the World” - A.P.J.Abdul Kalam**

Recognizing the importance of Horticulture and its growth potential in Andhra Pradesh, its contribution to GSDP and the future need for professional human resources, Government of Andhra Pradesh had established Andhra Pradesh Horticultural University, second of its kind in the country at Venkataramannagudem, West Godavari district vide Act.No.30 of 2007. Subsequently, it was renamed as Dr Y.S.R.Horticultural University (Dr YSRHU) vide Act No.13 of 2011. This university has a mandate of human resource development through Education, conduct need based Research and dissemination of the proven technologies through Extension.

This university is functioning with primary mission of “Imparting Quality Education in Horticulture” to the students and thus developing well trained personnel in the state of Andhra Pradesh. This University offers four year B.Sc.(Hons.) Horticulture, two year M.Sc.(Horticulture) with specialization in (i) Fruit Science (ii) Vegetable Science (iii) Plantation, Spices, Medicinal and Aromatic crops (iv) Floriculture and Land Landscape Architecture (v) Post-Harvest Technology (vi) Plant Pathology (vii) Entomology and three year Ph.D.(Horticulture) with specialization (i) Fruit Science (ii) Vegetable Science (iii) Floriculture & landscape Architecture (iv) Plantation, Spices, Medicinal and Aromatic crops (v) Plant Pathology (vi) Entomology and two year Diploma in Horticulture.

Modern Horticulture is viewed as a mega Horti-Business enterprise rather than mere cultivation of crops. Many multi-national companies are diversifying their activity profile by encouraging protected cultivation, Exports of fresh and processed Horticultural commodities etc. National Horticultural Board and National and State Horticultural Missions of Government of India support many schemes of development in every state. Keeping this in background, the syllabus of courses in Dr YSRHU are so structured as per national norms of ICAR so as to make the graduates self-confident, technically competent and marketable. As competent professionals, these graduates are expected to act as powerful professional consultants in Horticulture, besides opportunities in government sector and universities.

With increased focus on Horticulture and Horticulture based industries by both state and central governments, it is needless to say that Horticultural sector is going to play a vital role in the development of Indian Agriculture.

**Dr.T.Janakiram**  
Vice-Chancellor

# The Events

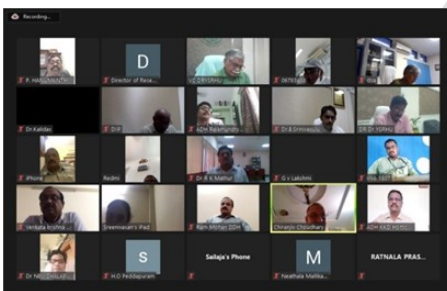
## Inauguration

On 14 September 2020, elevated wooden slatted goat shed as a part of 'Integrated Farming System' and also introduction of Black Bengal Goat was inaugurated by Dr T.Janakiram, Hon'ble Vice-Chancellor, in the presence of Dr B. Srinivasulu, Director of Extension, Dr A. Sujatha, Dean of Student Affairs and Dr D. Venkata Swamy, University Librarian. Dr E.Karuna Sree, Principal Scientist & Head, KVK and Scientists of KVK organised the event.



## Webinars

Horticultural Research Station, Ambajipeta conducted online webinar on "Invest in Coconut to Save the World" on the occasion of World Coconut Day on 2 September 2020 under the chairmanship of Dr. T. Janakiram, Vice-Chancellor in coordination with Department of Horticulture, Government of Andhra Pradesh. Dr B.N.S Murthy, Horticulture Commissioner was the Chief Guest. Scientists of HRS, Ambajipeta, gave power point presentations, followed by interaction of progressive farmers and entrepreneurs with the experts.



Dr YSRHU-Farmers Advisory Cell conducted online state-level webinar on "Pomegranate in Andhra Pradesh" on 5 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.

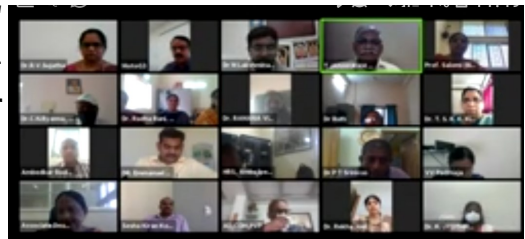
Dr YSRHU-Farmers Advisory Cell conducted online state-level webinar on "Post Harvest Technologies and Value-added Products of Fruits and Vegetables" on 9 September 2020 under the Chairmanship of Dr T.Janakiram, Vice-Chancellor. University Officers and faculty of Dr YSRHU, Officers from Department of Horticulture and farmers participated in the webinar and interacted after presentations.



# Education

## Webinars

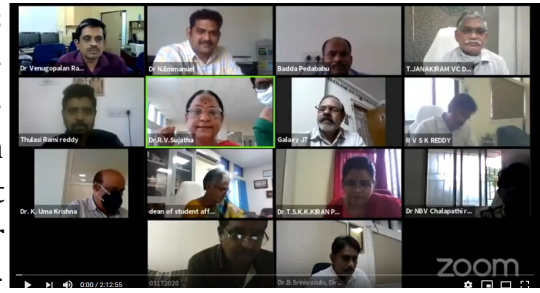
A webinar on " Teachers: Creators of all other Professions" was organized by CoH, Venkataramannagudem on 5 September 2020 on the eve of Teachers' Day. Chief Guest Dr T.Janakiram, Hon'ble Vice-Chancellor, addressed the teachers and students on 'Shaping Students' Future through Horticultural Education'. Guest of honour Dr Prabhat Kumar, National Co-ordinator (M&E and Comp.-2), NAHEP, New Delhi, delivered a lecture on "What Makes a Good





Teacher". The webinar was presided over by Dr M.Lakshminarayana Reddy, Dean of Horticulture and PG Studies. The webinar was moderated by Dr D.R.Salomi Suneetha, Professor, Dr.R.V.Sujatha, Associate Professor and Dr.P.Vinay Kumar Reddy, Assistant Professor under the chairmanship of Dr K.Umajyothi, Associate Dean, CoH, Venkataramannagudem.

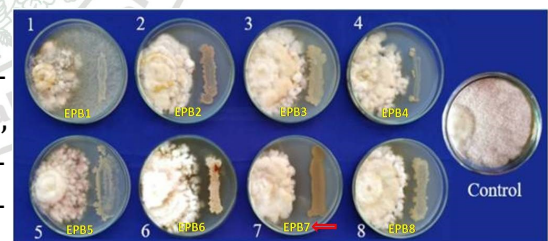
The National Webinar on "Application of Statistical concepts in Horticultural Research: Basics and Way Ahead" was organised by Department of English, Statistics and Social Sciences, CoH, Venkataramannagudem, with an aim to focus on basic and advanced statistical concepts utilised in different research areas of horticultural sciences on 14 September 2020. The programme was chaired by Dr K. Uma Jyothi, Associate Dean and convened by the Dr K. Umakrishna, Professor & Head (Statistics). Dr T. Janakiram, Hon'ble Vice-Chancellor, the Chief Patron of the webinar gave keynote address. Dr.Janakiram emphasized upon the importance of statistics in horticultural research. Dr R. Venugopalan, Principal Scientist (Agricultural Statistics), IIHR, Bengaluru, was the resource person. He gave a speech on various statistical techniques like MANOVA, ROBUST ANOVA, ANCOVA, BLUP etc., Dr M. Lakshminarayana Reddy, Dean of Horticulture and PG studies presided the webinar and Dr RVSK Reddy, Director of Research, shared about their research activities. Dr B. Srinivasulu, Director of Extension, Dr A. S. Padmavathamma, Controller of Examinations, Dr YSRHU, Dr A. Sujatha, Dean of Student Affairs, Dr. YSRHU, Dr. D. Venkataswamy, University Librarian and other University officers attended the Webinar. A total of 400 participants consisting of scientists from various research stations, KVKs, IIHR and IARI students, teaching faculty from various colleges and PG and Ph.D. students attended the webinar.



## Research

### Isolation of bioagents crops

Eight endophytic bacteria were isolated against Phytophthora foot rot/dry root of citrus. Among the isolates, EPB7 was found effective against *Fusarium solani* and identified as *Pseudomonas aeruginosa* based on sequencing results.



### Standardization of water requirement in acid lime

Irrigation at 80% evaporation through drip for all growth stages (Jan-Oct) with water stress in stage VI (Nov-Dec) is recommended for better growth, flowering, fruit development, yield and quality of acid lime fruits with efficient utilization of irrigation water through microirrigation system.

### Stage-wise application of nutrients in sweet orange

Application of RDF (750N:350P<sub>2</sub>O: 400 K<sub>2</sub>O / plant / year) along with 40 kg FYM and 8 kg neem cake in 5 split doses is recommended for higher yields and quality fruits of ambe bahar crop in sweet orange ( 13 tonnes/ha) as detailed below.

- 225:140:40 g/plant/year (Jan-Feb) at Flowering
- 225:120:40 g/plant/year (Mar-Apr) at Pea stage

- 150: 88:120 g/plant/year (May-Jun) at marble stage
- 75:0:100 g/plant/year (July-Aug) lemon stage
- 75:0:100 g/plant/year (Sept) at Preharvest

### **Efficacy of repellents against fruit sucking moths**

Spraying of neem oil @ 1% recorded significantly low per cent fallen fruits due to fruit sucking moth damage 10, 20 and 30 days after treatment, followed by Petroleum Spray oil @ 2% with higher yield, indicating that both oils showed good repellent activity against adults when applied at color breaking stage on sweet orange cv. Sathgudi

### **Evaluation of new acaricides against Citrus mites (new)**

The foliar application of spiromesifen 240 SC (0.009%) on Sathgudi sweet orange was found to be significantly superior in recording lowest rust mite infestation on fruits as compared to other acaricidal treatments, i.e. propargite 57EC @0.057%, fenazaquin 10 EC @0.01 % and the control at harvesting. The pesticide residue analysis carried out for an effective treatment (spiromesifen 240 SC @ 0.009%) also showed that residue levels were below detectable levels from whole fruits and pulp indicating that acaricide can be recommended for mites management.

Severe incidence of ash weevil in many mango orchards in and around Railway Kodur, Y.S.R. Kadapa district was observed at HRS, Anantharajupeta, and suggested suitable remedial measures to the farmers.



A team consisting of Dr R.V.S.K.Reddy, Director of Research, , Dr B.V.K.Bhagavan, Principal Scientist (Horticulture) & Zonal Research Head, Coastal Zone-I and Dr G.Ramanadam Principal Scientist (Horticulture) and Head, visited areas around Palasa, Srikakulam district to identify the site suitable for establishment of Horticultural Research Station.

## Extension Activities

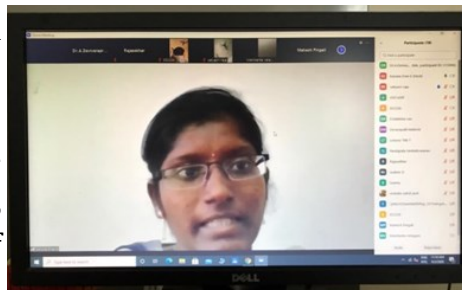
### **Training Programmes**

The KVK, Pandirimamidi, conducted two day off-campus skill development training programme on 'Low-Cost Vermicomposting Techniques' from 10 to 11 September 2020 at Um-mettha village of Gangavaram mandal under Tribal Sub Plan-2020-21. Trainees were taught about importance and benefits of vermicompost in organic farming, different types of earthworms useful for composting and recycling of organic waste material, followed by practical demonstration on low-cost vermicomposting techniques and method of vermiculture using locally available materials. Trainees actively participated and involved in vermicompost bed preparation using low-cost tarpaulin bags and with the bricks. A pamphlet on "Thakkuva Kharchutho Vanapamula Eruvu Thayari Paddhathulu" was released. The Low-cost vermicompost bags along with vermiculture were distributed to the trainees. Dr P. Lalitha Kameswari, Senior Scientist and Head and P. Raja Sekhar, Scientist (SS&AC) coordinated the programme.





On 02 September 2020, KVK, Venkataramannagudem conducted online virtual training programme on “Improved Fodders Cultivation and Preservation Methods” to Animal Husbandry Assistants (AHAs) of Pentapadu division. This programme was addressed by Dr E.Karunasree, Principal Scientist and Head, KVK, V.R.Gudem, Dr B.Nayak, Assistant Director (AD), Department of Animal Husbandry (AH), Tadepalligudem. Dr T.VijayaNirmala, Scientist (Veterinary Science) explained about cultivation practices of different varieties of fodder and its preservation methods, silage making, hay making and urea treated paddy straw, while Dr P.Mahesh, VAS, Pattempalem, explained about importance of fodder for calves, pregnant and milch cattle and their disease management.



Dr R. Nagaraju, Principal Scientist (Horticulture) and Head, Dr.T. Nagalakshmi, Scientist (Pathology), HRS, Anantharajupeta and Dr. D. Srinivas Reddy, Senior Scientist (Entomology), CRS, Tirupathi delivered a lectures on “Aratilo Samagra Sasya Rakshana Mariyu Yajamanyam” as resource persons to the village Assistants, MPEOs and Farmers of YSR Kadapa district attended through Raitu Bharosa Kendras on Zoom webinar organized by Department of Horticulture on 4 September 2020. Deputy Director of Horticulture, Assistant Director and Horticulture Officers of YSR Kadapa district were also present and discussed on various aspects of banana cultivation.

Dr P. Rama Devi, Senior Scientist (Plant Pathology) and Head, Dr P. Ashok, Senior Scientist, (Horticulture) and Dr B. Ramesh Babu, Senior Scientist, (Horticulture), HRS, V.R.Gudem participated in the training programme on “Management Practices of Acid Lime and Mango” and also distributed the planting material under TSP programme given through AICRP (Fruits) Venkataramannagudem. at Mittapalem, village of Addatigala mandal, East Godavari on 3 September 2020.

Dr B.K.M. Lakshmi, Sr.Scientist (Plant Pathology) and Head, MRS, Nuzvid attended ‘Thota Bhadi’ programme at Digavalli village and imparted training to farmers on ‘Techniques to be followed for Getting Quality Fruit in Mango’, followed by field visits along with farmers, officials from ATMA and Department of Horticulture, Krishna district on 2 September 2020.



On 03 September 2020, Sri.G.Sandeep Naik, Scientist and Head and Srividya Rani.N, Scientist (Extension), KVK, Vonipenta attended Thotabadi programme organized by Department of Horticulture at Yerraballi village of Mydukur mandal. Scientists explained about tomato cultivation practices, IPM and disease management practices followed by visit to tomato and turmeric fields. Observed Alternaria leaf spot on tomato was observed and they suggested spraying of Chlorothalonil @ 2g/litre for leaf spot and Mancozeb @ 2g/litre for turmeric leaf spot.

Dr P. Rama Devi, Senior Scientist (Plant Pathology) and Head, HRS, V.R.Gudem, participated as resource person in webinar on “Cultivation of Betelvine Crop, Pests and Diseases” organized by Department of Horticulture, Andhra Pradesh on 10 September 2020.

A training programme on “Integrated Crop Management in Red Gram” was conducted by KVK, Venkataramannagudem on 9 September 2020 to the farmers of Srinivasapuram village of Jangareddygudem mandal. The seed of red gram variety LRG-52 was distributed under CFLD Pulses 2020-2021 to the farmers who were selected under this programme. Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), Ms. Santhoshi, VAA, Srinivasapuram and 25 farmers participated in this programme. Dr U. Shiva Kumar, RA (SSAC) coordinated the programme.



A training programme on “Integrated Crop Management in Black Gram” was conducted by KVK, Venkataramannagudem, on 9 September 2020 to farmers of Vankavarigudem, Dhatlavarigudem and Ankannagudem villages of Jeelugumilli mandal. The seed of black gram variety TBG-104 was distributed to selected farmers of the cluster under CFLD Pulses 2020-2021. In this programme, Dr A.Devivaraprasad Reddy, Scientist (Fishery Science), M.A.O, Jeelugumilli, Village Agriculture and Horticulture Assistants of Vankavarigudem and 25 farmers participated. Dr U. Shiva Kumar, RA (SSAC) coordinated the programme.



A training programme on “Integrated Crop Management in Black Gram” was conducted by KVK, Venkataramannagudem on 11 September 2020 to the farmers of Nelaturu and Chagallu villages of Chagallu mandal of West Godavari district. The seeds of black gram variety, TBG-104 was distributed to selected farmers of cluster under CFLD Pulses 2020-2021. M.A.O, Chagallu, Village Agriculture and Horticulture Assistants of Nelaturu, Chagallu and 25 farmers participated in this programme. Dr U. Shiva Kumar, RA (SSAC) coordinated the programme.

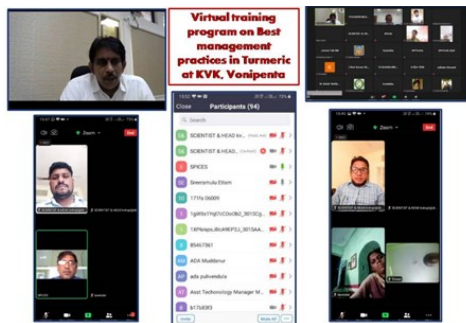


Virtual Training Programme on “Better Management Practices in Shrimp Farming” was conducted by KVK, Venkataramannagudem on, 15 September 2020 to farmers, technicians and rural youth. In this program, Dr T. Suguna, Principal Scientist and Head, FRS, SVVU, Undi and Sri Ch. Balakrishna, Scientist, KVK, Amadalavalsa as resource persons explained about the water quality testing and management along with bio-security aspects. Dr A.Devivaraprasad Reddy, Scientist (Fishery Science) and Dr E. KarunaSree, Principal Scientist and Head and Dr T. Vijaya Nirmala, Scientist (Veterinary Science) KVK, V.R.Gudem coordinated the programme. About 30 participants took part in the programme and interacted with the scientists.





On 05 September 2020, Sri G.Sandeep Naik, Scientist and Head, KVK, Vonipenta, attended farmers training programme under seed village programme at Laxmipeta village of Chapadu mandal. Scientist explained about cultivation practices for paddy and Integrated Pest and Disease Management Practices. ADA, Mydukur, AO Chapadu and 32 farmers attended the programme.



On 8 September 2020, KVK, Vonipenta, conducted virtual training programme on “Best Management Practices in Turmeric”. The programme had started with the inaugural address of Dr B.Srinivasulu, Director of Extension and Sri Chandra Naik, PD, ATMA. Dr K.Giridhar, Senior Scientist (Horticulture), HRS, Lam, Guntur addressed the farmers on cultivation aspects in turmeric, Dr V.Yugandhar, RA (Horticulture) explained on Fertilizer management and INM, Sri G.Sandeep Naik, Scientist and Head explained on pest and disease management, Srividya Rani.N, Scientist (Extension) explained on post-harvest management and Smt R.Suneetha, RA, (Home Science) explained on value-addition and uses in turmeric. A total of 94 participants attended the training programme.

On 9 September 2020, Sri G.Sandeep Naik, Scientist and Head, KVK, Vonipenta, attended FPO training programme at Mydukur mandal. Scientist addressed the farmers on pest and disease management and cultivation practices in tomato, turmeric and banana for getting higher yield. In this programme, DD Horticulture, DDM -NABARD and 62 farmers attended the programme.



On 10 September 2020, Sri G.Sandeep Naik, Scientist and Head, KVK, Vonipenta attended DRC meeting at Kodigudlapadu village of Kasinayana mandal. Scientist addressed the farmers on cultivation practices of cotton, INM, pest and disease management. In this programme PD, ATMA, DPD, ATMA and 34 farmers participated.

## Demonstrations

On 9 September 2020, Sri G.Sandeep Naik, Scientist and Head, Srividya Rani.N, Scientist (Extension) and R.Suneetha, KVK, Vonipenta conducted method demonstration with neem cake @ 100 kgs mixing with *Trichoderma viride*, VAM and *Pseudomonas* @ 1kg each, as basal application before sowing in onion crop for disease management. Scientist explained about the precautions to be followed while mixing and application of neem cake with biocontrol agents and their uses.





## Frontline Demonstrations

On 8 September 2020, KVK, Venkataramannagudem conducted training programme on “Care and Management of Calves” for the dairy farmers at Reddyganapavaram village, Buttaigudem mandal and distributed deworming drugs, Vit-A supplement and concentrate feed under FLD on “Integrated Health Management in Calves” for the year 2020-21. Dr T.Vijaya Nirmala, Scientist (Veterinary Science) coordinated the programme.



On 8 September 2020, Dr P. Avani, Research Associate (Horticulture), KVK, Periyavaram, made a visit to acid lime orchard at Pallipadu village, Balayyapalli mandal, as a part of FLD programme on flower regulation in acid lime and provided awareness on importance of the cycocel use in the demonstration, followed by distribution of cycocel and demonstrated spraying in selected plot.

On 8 September 2020, Ms K. Sravani, Research Associate (Agriculture Extension), KVK, Periyavaram, visited Pallipadu village, Balayyapalli mandal for data collection on “Study on Technological Gap in Recommended Practices in Acid Lime Production by Farmers in Nellore District of Andhra Pradesh”.



On 10 September 2020, Ms. R. Suneetha, Research Associate (Home Science) and Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta, initiated FLD on “Demonstration of Onion Drum Seeder” at Madirepalli village of Duvvuru mandal. Scientist explained the difference in utilization of seed rate between broadcasting and line sowing. Drum seeder sowing also helps in weed management, maintenance of optimum plant population per unit area.

On 04 September 2020, P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi, visited cashew demonstration plots as a part of FLD on “Integrated Crop Management Practices in Cashew” under TSP- 2020-21 at Pedagarlapadu village of Gangavaram mandal and conducted an off-campus training programme on seasonal crop management practices to be followed in rejuvenation of old cashew orchards, followed by method demonstration on soil sampling at different depths in orchards, basin preparation and recommended dose of fertilizer application to cashew trees. In this programme, 12 farmers and 7 members of technical staff, Tanager NGO, Rampachodavaram participated.





## On-Farm Trial

Krishi Vigyan Kendra, Venkataramannagudem has initiated the on-farm trail on “Captive Rearing of Fish Seed in Enclosed Cages” on 3 September 2020. Dr T.Janakiram, Hon’ble Vice-Chancellor, Dr B.Srinivasulu, Director of Extension, Dr D. Venkata Swamy, University Librarian, Dr E.Karuna Sree, Principal Scientist and Head, KVK, Sri K.Rathna Kishore Babu, PRO, and Scientists of KVK attended the programme and introduced the fish seed into the pond of KVK.



On 5 and 10 September 2020, Dr V. Yugandhar, Research Associate (Horticulture) and Srividya Rani.N, Scientist (Extension), KVK, Vonipenta provided seed of onion variety NHRDF Red-3 and Agrifound Light Red under OFT “Introduction of onion variety “NHRDF Red-3” at Madirepalli village of Duvvur mandal.

On 9 September 2020, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta, provided seed of chilli variety LCH-111 and Arka Meghana under OFT “Introduction of new chilli hybrid “LCH 111” at Thorrivemula village of Mylavaram mandal. Scientist explained the plant characters of LCH 111 and Arka



## Diagnostic Visits

On 3 September 2020, Sri G.ShaliRaju, Scientist (Entomology) and Dr U.Shiva Kumar Research Associate (Soil Science) conducted diagnostic visit to guava and banana fields at Khandavalli village and observed infestation of Rugose Spiraling Whitefly (RSW) in guava and sigatoka leaf spot disease in banana and recommended suitable remedial measures.



On 9 September 2020, Dr A.Devivaraprasad Reddy, Scientist (Fishery Science) and Dr U.Shiva Kumar, KVK, Venkataramannagudem visited fish ponds in ravigudem and observed the myxobolus infection in the farm of Mr. BhimaRaju and recommended the use of agricultural lime @ 10-30 kg/acre and rock salt @ 30-50 kg/acre for every 15 days.

On 4 September 2020, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited, vegetable nursery at Bhumayapalli village of Mydukur mandal. The damping off disease in chilli was observed and recommended application of copper oxychloride @ 3 g /litre to control the disease.





On 4 September 2020, Sri G.Sandeep Naik, Scientist and Head and Srividya Rani.N, Scientist (Extension), KVK, Vonipenta visited banana field. They observed herbicide toxicity and recommended spraying of 19-19-19 @ 5 g/litre or potassium nitrate @ 5g/litre of water.



On 8 September 2020, Ms R. Suneetha, Research Associate (Home Science), N.Srividya Rani, Scientist (Extension) conducted follow up visit to nutrigarden at Adireddipalli village Mydukur mandal. They recommended application of organic manures and biofertilizers to produce organic vegetables and neem cake or neem oil for pest management.

On 8 September 2020, Sri.G.Sandeep Naik, Scientist and Head, PD, ATMA, DPD, ATMA and AO, Mydukur conducted field visit in turmeric at Obulapuram village of Mydukur mandal. They observed leaf spot in turmeric and recommended spraying of Propiconazole @ 1ml/litre.



On 5 September 2020, Sri G.Sandeep Naik, Scientist and Head and Srividya Rani.N, Scientist (Extension), KVK, Vonipenta visited guava fields under IIHR-SC-Sub plan in Palugurallapalli village, B.Matam mandal. They distributed inputs like *Trichoderma viride*, *Pseudomonas* and *Paecilomyces lilacinus* to use along with neem cake for nematode management. The plants are in good condition with staking. The removal of young shoots on the rootstock and flowers up to one year was advised.

On 11 September 2020, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta, conducted followup visit to tomato fields at Papannapalli village of Mydukurmandal under IIHR- SC sub plan. The scientist explained about fertilizer management at initial stage of crop growth.



On 10 September 2020, Dr N. Chiranjeevi, Research Associate (Plant Pathology), KVK, Pandirimamidi, visited paddy fields at Bhusugudem village of Rampachodavaram mandal, and recommended spraying of 0.5%  $KNO_3$  for potassium deficiency.

On 11 September 2020, Sri Bhanumurthy K.C, Scientist (Horticulture), KVK, Pandirimamidi, visited young cashew orchard at Jagarampalli village of Rampachodavaram mandal. The crop is 6 month old with new flush initiation stage. There is suppressed growth in scion part of graft because rootstock is growing vigorously. The farmers were advised to remove the sprouts on rootstock part for proper growth of scion.





## Survey

On 11 September 2020, Srividya Rani.N, Scientist (Extension) and Suneetha Runjala, RA (Home Science), KVK, Vonipenta initiated data collection on knowledge level of the farmers on production and protection technologies in banana.



## General

### Meetings

Dr.R.V.S.K.Reddy, Director of Research as a resource person delivered a lecture on “Latest Technological Advancements and Initiatives of the University for Strengthening Horticulture Sector with Special Reference to Andhra Pradesh” to District Development Managers (DDMs) of NABARD on 8 September 2020.

Dr Ch. Ruth, Professor (Plant Pathology) and Smt G. Sarada, Assistant Professor (Entomology), CoH, Anantharajupeta attended an on-line training programme on ‘On-Farm Production of Biocontrol Agents and Microbial Biopesticides’ from 14 to 18 September 2020 organized by NIPHM, Hyderabad.

Dr K. Swarajyalakshmi, Professor (Horticulture), Dr V. V. Padmaja, Assistant Professor (Plant Physiology), Dr M. Raja Naik, Associate Professor (Horticulture), CoH, Anantharajupeta, Dr P. Ashok, Senior Scientist, (Horticulture), Dr M. Ravindra Babu, Senior Scientist, (Horticulture), HRS, V.R.Gudem and Dr V Deepthi, Scientist (Agricultural Extension) KVK, V.R.Gudem, attended the on-line training programme on ‘Computer Aided Design (CAD) for Landscaping’ from 31 August to 9 September 2020 organized by University of Horticultural Sciences, Bagalkot.

Dr V. V. Padmaja, Assistant Professor (Plant Physiology), CoH, Anantharajupeta attended an on-line training programme on ‘MOOC on Information Handling Skill for Teaching, Learning and Research’ from 26 August to 16 September 2020, organized by Professor Jayashankar Telangana State Agricultural University, Hyderabad.

Dr V. V. Padmaja, Assistant Professor (Plant Physiology), CoH, Anantharajupeta attended the on-line training programme on ‘Reforms in Agricultural Education’ from 11 September 2020 organized by Agrovision Foundation, Nagpur.

Dr M.Kavitha, Senior Scientist (Plant Pathology), CRS, Petlur participated in a webinar on “Plant Health Management for Sustainable Agriculture” organized by NIPHM Hyderabad on 4 September 2020.

Dr L. Mukunda Lakshmi, CRS, Tirupati attended Mid-term Review for AICRP Fruits Project on “Evaluation of promising clones of Grapefruit (MLT-I)” through webinar on 7 September 2020.

Dr K T V Ramana, Dr L. Mukunda Lakshmi, CRS, Tirupati, attended Mid-term Review for AICRP Fruits Project on Evaluation of Acid Lime Cultivars under different Agro-Climatic Conditions through webinar on 8 September 2020.

Dr D. Srinivas Reddy, Senior Scientist (Entomology), Citrus Research Station, Tirupati, attended Mid-term Review for AICRP Fruits Project on “Status of Emerging Insect Pests and their Natural Enemies in Citrus” through webinar on 11 September 2020.

Dr D. Srinivas Reddy, Senior Scientist (Entomology), CRS, Tirupati, Dr. N.B.V. Chalapathi Rao, Principal Scientist (Entomology) and Ms. B. Neeraja, Scientist (Pathology), HRS, Ambajipeta attended Mid-term Review Meeting on AICRP Bio-Control through webinar on 14 September 2020.

Dr K Mamatha, Senior Scientist (Horticulture), HRS, Kovvur and Dr. M. Janaki, Scientist (Horticulture) and Head, HRS, Peddapuram participated in the Virtual Consultative Meeting on "Recent Progress in Germplasm Utilisation and Breeding in Sweet Potato" on 14 September 2020, organised by ICAR-CTCRI in collaboration with CIP chaired by Dr A K Singh, DDG (Horticulture), ICAR.

Dr K.T.V Ramana and Dr. L. Mukunda Lakshmi, CRS, Tirupati attended Mid-term Review for AICRP Fruits Project on "Germplasm Collection, Conservation and Evaluation of Citrus Germplasm" through webinar on 15 September 2020.

Dr T.Rajasekharam, CRS, Tirupati attended Mid-term Review for AICRP Fruits Project on "Emerging Diseases of Citrus" through webinar on 15 September 2020.

Dr K. Ravindra Kumar, Scientist (Horticulture), HRS, Kovvur participated in Virtual Crop Seminar through "TEAMS" on "Banana and Coconut" to FPOs Farmers of East and West Godavari districts, organized by M/s.Coramandal Fertilizers on 12 September 2020 and delivered lecture on "Integrated Nutrient Management in Banana". They interacted with farmers and necessary recommendations were given on crop management and flood affected banana plantations.



Dr C.Madhumathi, Principal Scientist and Head, CRS, Petlur participated in national level webinar on "Exploration of under Utilized Fruit Crops for Health and Nutritional Security for Future Generation", organized by UHS, Bagalkot, on 10 September 2020.

### Publications

Mukunda Lakshmi L, Venkataramana K.T, Sreenivas Reddy D, Rajasekhar T, Shirgure P.S and Prakash Patil, 2020. Critical stages of water requirement in sweet orange (*Citrus sinensis*). *Current Horticulture*: Volume 8(2): 18-22.

Sreedhar Devarakonda, C. madumathi, Mukunda lakshmi L, Vijaya Bhasakar V, Umamahesh V, Rajasekhram T and Lakshmi Narayana Reddy M.2020. Effect of plant elicitors on growth,yield and quality of papaya. *Current Horticulture*. Volume 8(2):23-28.

adhumati C and Srinivas Reddy D, 2020. Characterization of mango (*Mangifera indica*) varieties for pickle making. *Current Horticulture*: Volume 8(2):34-37.

Padma E, Uma Jyothi K, Ramanandam G, Subbaramamma P and Uma Krishna K. Performance of varieties with different dates of sowing and spray of growth regulators and their interaction on growth and yield of Dolichos Bean (*Lablab purpureus* L.) during offseason under shade net. *Journal of Pharmacognosy and Phytochemistry* 2020. Volume 9(5): 664-669.

Usha Kumari K, Uma Jyothi K, Reddy RVSK , Sujatha RV, Rajendra Prasad K, Viji CP and Sekhar V. Optimization of yield, quality and nutrient uptake of chilli (*Capsicum annum* L) through intercropping and integrated nutrient management practices. *The Pharma Innovation Journal*. Volume 9(9): 260-263.



## Phone-in-Live Programme

Sri G.ShaliRaju, Scientist (Entomology), KVK, V.R.Gudem attended Phone-in-Live Programme on “Kharif Kuragayala Saagulo Sasyarakshana” at Doordarshan Kendra, Vijayawada on 7 September 2020.

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

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

Date	Activities
01.09.2020	Management of Cashew Orchards Dr K.Rajendra Prasad, Scientist (Horticulture), HRS, Pandirimamidi
02.09.2020	Vermicompost Production Dr C.N.Byanna, Principal, Horticultural Polytechnic, Kalikiri
03.09.2020	Prevention of Dehydration in Banana Mr M.Satti Raju, Principal, SKPP Horticultural Polytechnic, Ramachandrapuram
04.09.2020	Rugose Spiralling Whitefly Management Measures Dr N.B.V.Chalapathi Rao, Principal Scientist (Entomology), HRS, Ambajipeta
05.09.2020	Fish and Shrimp Disease Management Dr A.Devivaraprasad Reddy, Scientist (Fishery Science ), KVK, V.R.Gudem
07.09.2020	Disease Management in Chilli Ms T.Vijayalakshmi, Sr.Scientist (Entomology), HRS, Lam
08.09.2020	Cultivation of Improved Fodder Varieties Dr T.Vijaya Nirmala, Scientist (Veterinary Science), KVK, V.R.Gudem
09.09.2020	Management of Problematic Soils Ms P.Rajasekhar, Scientist (Horticulture ), KVK, Pandirimamidi
10.09.2020	Vegetable Cultivation in <i>Rabi</i> Dr V.Ramana, Principal, SSPG Horticulture Polytechnic, Madakasira
11.09.2020	Pest & Disease Management in Cashew Dr B.Nagendra Reddy, Scientist (Plant Pathology ), CRS, Bapatla
14.09.2020	Integrated management in coconut Ms B.Neeraja, Scientist , HRS, Ambajipeta
15.09.2020	Crop Regulation and Production Technologies in Acid Lime Dr C.Madhumathi, Principal Scientist and Head, CRS, Petlur

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