Online Teaching & Meetings in Dr.YSRHU

During COVID-19 lockdown period teachers of all constituent and affiliated colleges under Dr.YSRHU have conducted online classes. Online Pre-Action plan meeting (12.05.2020) and Action Plan meeting of Agronomy (13.05.2020), Soil Science (14.05.2020) and Horticulture (15.05.2020) of KVKs are completed in co-ordination with ICAR-ATARI. Heads & SMSs of KVKs under Dr.YSRHU have presented their pro-

Research

An outbreak of non-regular minor pest, Citron bug, *Leptoglossus* sp. never observed before in the traditional crop grown areas was noticed by Dr. D. Srinivas Reddy, Senior Scientist (Ento.), CRS Tirupati in majority of the sweet orange gardens in Kadapa and Prakasam Districts during March, April and May, 2020. The pest (nymphs and adults) congregates in large numbers (8-12 bugs/fruit) on fruits sucking the juice leading to fruit drop(13-18%). The probable reason for this insect pest occurrence in 2020 summer crop might be the availability of matured
At HRS, Anantharajupeta farmer’s problems are attended through Whatsapp and mobiles due to lockdown. Depending on the symptoms remedial measures are being given. In Kodur mandal papaya fields are getting affected by high temperatures, as a result plants are showing yellowing and severe flower and fruit drop.

Severe infestation of snow scales on acid lime was noticed in most of the farmers orchards in Nellore and Kadapa districts and also in the CRS farm during peak summer (April and May) and it has been advised and adopted to rubbing the main stem with gunny bits followed by insecticides sprayed with buprofezin 25SC @ 2ml/l + petroleum/mineral spray oil @ 1% (10ml/l) to achieve maximum reduction in number and further spread to primary and secondary branches. (a word of caution also has been given not to use the mineral oils during mid afternoon).

At HRS, Anantharajupeta, under non plan experimental studies revealed that the chrysanthemum plants which were exposed to artificial lighting arrangements under open field conditions, flowering continued up to first fortnight of May. But maximum generative buds are converting to vegetative phase from the month of May with out forming flowers due change in photo period.

Diagnostic Visits

On 07.05.2020, Sri.G.Sandeep Naik, Scientist & Head, KVK, Vonipenta visited banana fields for diagnosis of pests and diseases at Sunkulugaripalli village of Mydukur mandal. Observed banana weevil infestation and suggested to apply carbofuran 3G granules @ 30 gms/plant.

On 14.05.2020, Sri.G.Sandeep Naik, Scientist & Head and Srividya Rani.N, Scientist (Agri. Extn.), KVK, Vonipenta visited banana fields at Gangayapalli and Lingaladinne villages of Mydukur and B.Matam mandals respectively. Observed leaf eating caterpillar and suggested to spray chlorpyriphos @ 2.5ml/l.
On 15.05.2020, Sri.G.Sandeep Naik, Scientist & Head and Srividya Rani.N, Scientist (Agri. Extn.), KVK, Vonipenta visited papaya field at Musalinayanapalli village of Mydukur mandal. Observed collar rot infestation and suggested soil drenching with metalaxyl @ 3gm/l or blitox @ 3gm/l or r-idomil MZ @ 2gm/l at collar region of the plant.

The Evaluation performance of Improved Carp (fish) variety *i.e* Improved Catla, JayanthiRohu, Improved Catla and Amur Common Carp was done by sample netting on 13.05.2020 by Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science). The performance of Improved Catla and Amur Common Carp was very high with an average weight gain of about 2.8 kg over a period of 12 months stocky.

**Front Line Demonstrations**

On 15.05.2020, Smt.R.Suneetha, Research Associate (Home Science) and Dr.V Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted a follow-up visit to FLD on performance of Nutri-garden for year round production of fruits and vegetables at Mittamanupalli village of Mydukur mandal. Explained about precautions to be taken while growing green leafy vegetables under shade.

**On-Farm Trials**

On 15.05.2020, Dr.V.Nagarjuna, Research Associate (Soil Science) and Smt.R.Suneetha, Research Associate (Home Science), KVK, Vonipenta conducted a follow up visit for OFT on Assessment of waste decomposer culture for recycling of crop residues at Mittamanupalli village, Mydukur mandal. Explained the decomposition process and importance of recycling of banana trash.

**Sanitization of buildings**

Office premises, demonstration units and farmers hostel of KVK, Venkataramannagudem, Pandirimamidi, Vonipenta and Periyavaram with hypo chloride solution as preventive measure to enable the staff to work in safe environment during lock down period.
Webinars
Dr. R. Nagaraju, Principal Scientist & Head, HRS, Anantharajupeta attended Webinar on “Hortalk-5: on ‘Horticulture Technologies for increasing farmers’ income in arid zone” by eminent scientist in the field and Director ICAR-CIAH, Bikaner (Rajasthan) on 10.05.2020.

Scientists of HRS Anantharajupeta, participated in a Webinar organized by Media today group on "Banana Industry - Challenges, Opportunities and Scope of Value Addition" held on 11.05.2020.

Dr. T. Nagalakshmi, Scientist (Pl. Path.), HRS, Anantharajupeta attended "National Webinar on Reinventing Library and Information Services to meet the Emergencies and Exigencies" organized by Association of Agricultural Librarians and Documentalists of India, ICAR, New Delhi on 13.05.2020.

Phone-in-Live Programmes
Dr.M.Ravindra Babu, Sr. Scientist (Hort.), HRS, Venkataramannagudem attended Phone-in-Live programme on ‘Kharif Vegetable cultivation management practices ’ at Doordarshan Kendra, Vijayawada on 04.05.2020.

Dr.T.Vijaya Nirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem attended Phone-in-Live programme on ‘Dairy cattle management’ at Doordarshan Kendra, Vijayawada on 11.05.2020

Dr.B.Peda Babu, Asst. Professor (SS&AC), CoH, Venkataramannagudem attended Phone-in-Live programme on ‘Fertilizer management in various horticultural crops’ at Doordarshan Kendra, Vijayawada on 14.05.2020.