



# Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

1-15 May 2021



## Fortnight Focus

- *New Initiatives*
- *Education*
- *Research*
- *Extension*

## From Vice-Chancellor's Desk

### Dr.YSRHU : COVID-19 MANAGEMENT STRATEGIES

COVID second wave pandemic is effecting all walks of life. Under COVID-19 pandemic management strategies, university has constituted Central COVID Monitoring Committee for effective monitoring of present COVID-19 pandemic situation and to ensure the safety of students and staff of the university.

In coordination with Health Departments of Government of Andhra Pradesh conducted COVID tests to students and staff of the university. Imposed compulsory face mask under "No Mask - No Entry" and regular sanitization. Identified isolation rooms for persons who are suspected or confirmed COVID-19 positive and their primary contacts to ensure quarantine in all colleges including head quarters. Prepared action plan to liaison with medical store, to ensure immediate supply of emergency medicines at all colleges under Dr.YSRHU. Orders are issued to function all institutes under Dr.YSRHU with 50% staff and remains work from home. Conducted awareness programmes on COVID-19 through webinars to all the students, staff and farmers.

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

## New Initiatives

### Udyana Mitra

Farmers Advisory Cell (FAC) of Dr.YSRHU has initiated “Udyana Mitra” programme for dissemination of technologies regularly as e-advisories to farmers directly and through RBK channel of Government of Andhra Pradesh.

### Central COVID Monitoring Committee

The University has constituted Central Monitoring Committee to prepare action plan, monitoring the status of COVID-19 in all the institutes under Dr.YSRHU and to implement all SOPs against COVID-19.

## Education

Under safety measures against COVID-19 second wave, developed action plan and modules to conduct online classes, exams, assignments etc., for UG and diploma students under the university.

## Research

### Pre ZREAC Meetings

Scientists working under Coastal Zone-II participated in the Pre ZREAC meeting on 05.05.2021 through virtual mode conveyed by the Zonal Research Head, Coastal Zone - II and presented the work done report for the year 2020-21 and technical programme of work for the year 2021-22.

Scientists working under Coastal Zone-I participated in the Pre ZREAC meeting on 6.5.2021 and 7.5.2021 through virtual mode conveyed by the Zonal Research Head, Coastal Zone - I and presented the work done report for the year 2020-21 and technical programme of work for the year 2021-22.

Scientists working under Rayalaseema zone attended Pre-ZREAC-2021 (Rayalaseema Zone) from 10.05.2021 to 11.05.2021 through virtual mode conveyed by the Zonal Research Head, Rayalaseema Zone and presented the technical programme of work of 2020-21.

Various low cost media viz., rice broth, starch, vegetable waste, rice husk, coir pith, broken maize grains, sorghum grains and bajra grains were evaluated for successful low cost production of entomopathogen *Isaria fumosorosea* against rugose spiralling white fly at HRS, Ambajipeta. Among all the media tested rice broth and starch were found to be the promising media supporting *I. fumosorosea* and can be alternatively used in addition to broken rice grains being used at present.

Surveillance of rugose whitefly *Aleurodicus rugioperculatus* in coconut revealed that compared to the population of RSW in May 2020 the population recorded in May 2021 is low. The mean number of spirals of rugose spiralling whitefly per leaflet was 21.00 in May 2020 while in May 2021 the mean number of spirals recorded was only 4.00 at HRS, Ambajipeta

Evaluation of modified ground pollination technique for hybridization in coconut at Horticultural Research Station, Ambajipet was initiated on 04.05.2021 in 20 numbers of ECT palms and 5 numbers of Gautami Ganga palms. The setting percentage in this method will be compared with Hand pollination, so as to adopt this technology on large scale.



Horticultural Research station, Kovvur has received IC numbers for 22 germplasm lines (Elephant foot yam 2, Colocalsia 10 and Greater yam 10) of tuber crops from NBPGR New Delhi.

Dr.B.K.M.Lakshmi, Principal Scientist (Pl. Path.) and Head, MRS, Nuzvid visited Mango gardens at Chittapur, Chatrai (M) on 11.5.2021 for collection and identification of different disease resistant mango varieties.



Dr.G.Sravanthi, Scientist (Ento.), MRS, Nuzvid visited mango gardens at Kondaparva, Vissannapeta (M) on 7.5.2021 for survey and evaluation of fruit fly damage and advised farmers regarding measures to be taken to prevent damage along with installation of Methyl Eugenol traps.

Dr. K. Umamaheswara Rao, Scientist (Hort.), CRS, Bapatla visited the cashew fields at Pottusubbaiah-palem, Chirala Mandal, Prakasam District and advised the farmers on management practices of Cashew on 22.05.2021.

At HRS, Darsi, among acid lime selections, TAL 94/14 recorded the highest yield of 18kg/plant (4.05 t/ha).



At HRS, Darsi, the treatment combination F1S3 (100 % N&K + FeSO<sub>4</sub> - 0.2% + ZnSO<sub>4</sub> - 0.2%) recorded significantly highest herbage yield (12.44t/ha) in Curry leaf. In the above trial, 65kg - N & 50kg - K t/ha has been applied through fertigation in 10 split doses. Where as the micronutrients were applied through foliar spraying.

A new chilli variety LCA 643 was proposed for first year of minikit testing during the year 2021-22 from HRS, Lam.

### Special characters

- Duration is 180-190 days with 58-60q/ha dry chilli yield and 300-325 q/ha green chilli yield
- Plants are semi erect with good branching, fruits are long and bold with medium green colour and dark red on ripening, ripe pod appearance is shiny and attractive, highly pungent. Dry pod highly wrinkled with high colour. Suitable for green chilli as well dry chilli (Byadgi segment)



Dr D. Aparna, Senior Scientist (Hort) conducted Betelvine hybrid evaluation trial under Multi location testing where Dr YSRHU released state variety Swarna Kapoori recorded the highest number of branches (4.58) and overall leaf yield per vine (60.49 leaves) followed by newly released hybrid HY-09-16 (48.83 leaves) from IIHR.

Dr D. Aparna, Senior Scientist (Hort) collected three new *Bacopa monnari* germplasm accessions and kept for evaluation which has established well at HRS.



Dr D. Aparna, Senior Scientist (Hort) collected *Decalepis hamiltonii* seeds from fruits having variability in shape, size, colour and maturity levels which were kept for germination and had shown better germination percentage at CEPC.



Dr. P. Rama Devi, Principal Scientist (PP) and Smt. P.Sunitha Scientist (Ento.) have taken up rearing of bio-agent maggots of *Mycodiplosis* spp (Mycophagous insect) and adult insects were collected and preserved to get IC Numbers from NBAIR.

Smt. P. Sunitha Scientist (Ento.) reported loss of 11.23 % fresh herbage and 15.22% loss of seed yield in untreated plots of *Ocimum sanctum* due to incidence of defoliator insect species and sucking bugs when compared to plots treated with four sprays of Azadirachtin 10000 ppm @ 1 ml/lt with fortnight interval.

On bach (*Acorus calamus*) incidence of rugose spiralling whitely (*Aleurodicus rugioperculatus*) has been found maximum (4 adults/ leaf / hill) during second week of May, 2021 (12.05.2021).

### Meetings

Scientists working under AICRP on Fruits have attended Webex meeting with Project Co-ordinator, ICAR-AICRP on Fruits on 8 May 2021.

## Extension Activities

### PM-KISAN Samman Nidhi

On 14 May 2021, Dr.B.Govinda Rajulu, Principal Scientist and Head, Krishi Vigyan Kendra, Periyavaram have joined and participated in live telecasted programme of PM-KISAN Samman Nidhi Scheme.



### Field Day



On 3 May 2021, KVK, Periyavaram organized a field day on groundnut variety, Dharani (TCGS-1043) cultivated under Cluster Front line Demonstrations-Oilseeds under NFSM-2020-21 sponsored by ICAR-ATARI ZONE -X, Hyderabad at Yathaluru village of Venkatagiri Mandal. Scientists of KVK, Periyavaram interacted with the farmers regarding the variety and also conducted crop cutting experiment and found that TCGS-1043 was comparatively performing better in all aspects than that of local variety. Ms. K. Sravani, Research Associate (Extension). Dr.B.Vijayasree, Research Associate (Home Science), Dr.Mallikarjunarao Research Associate (Horticulture) participated in the programme.

## Training Programmes

On 01.05.2021 P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi conducted an off-campus training on “Importance of Soil Testing and Method of Soil Sampling” at B.V.Kota village of Ramachodavaram mandal in coordination with Reliance foundation, Kakinada. Scientist explained the importance of soil testing in order to assess the native soil fertility status and also its advantages in soil health management based on soil test report and also conducted method demonstration on soil sampling procedure. In this programme, District Coordinator, Reliance foundation, East Godavari, VAA and 28 farmers has participated.



On 13 May 2021, Dr.B.Govinda Rajulu, Principal Scientist & Head, KVK, Periyavaram attended as resource person and interacted with VAAs and VHAs on water, fertilizer, weed and pest management in paddy, groundnut, pulses and horticulture crops in DRC meeting conducted by DRC Nellore. Dr.Mallikarjuna, Scientist, KVK, Nellore, DPD, ADA and AOs of DRC Nellore participated in the meeting.

## Diagnostic Visits

On 1 May 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), Dr. B. Vijayasree, Research Associate (Home Science), Ms. K.Sravani, Research associate (Agrl. Extension), KVK, Periyavaram visited tomato and bottle gourd fields at Sangavaram village of Balayapalle mandal and identified serpentine leaf miner in tomato and recommended to spray Profenofos @2ml/l or Chlorantraniliprole @ 0.3ml/l.



Also observed anthracnose in bottle gourd and suggested to spray a combination of Carbendazim + Mancozeb (SAAF) @2g/l twice at 10 days interval to manage the disease. Dr. B. Vijayasree created awareness to the farm women on preservation and utilization of vegetables during summer season for promoting health and nutrition aspects in rural areas.



On 11 May 2021, Dr.V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited sweet orange, marigold and chilli fields for diagnosis of pests, diseases and nutrient deficiencies at Ganjikunta, Nallapureddypalli and Lakkallavari palli villages of Mydukur mandal respectively. Scientist identified the problems and suggested the respective control measures.

On 13.05.2021, Dr.Srividya rani.N, Scientist (Extension) & Head, KVK, Vonipenta visited Amaranthus field for diagnosis of pests and diseases at Kesalingayapalli Village of Mydukur mandal. The scientist observed leaf eating caterpillar damage in Amaranthus and suggested control measures.



## Phone-in-live programme

Dr.R.Nagalakshmi, Senior Scientist, HRS, Kovvur, “Bunch Managemnet for quality banana” at All India Radio, Vijayawada on 6 May 2021.

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

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

Date	Activities
01.05.2021	మామిడిలో కాయ దశలో యాజమాన్యం Dr.B.K.M.Lakshmi, Senior Scientist & Head, MRS, Nuzvid
03.05.2021	అరటి సాగులో పిలక ఎంపిక, పిలక శుద్ధి, నాటుటలో తీసుకోవలసిన జాగ్రత్తలు Dr.G.Ramanandam, Principal Scientist & Head, HRS, Kovvur
04.05.2021	చీని, నిమ్మలో పూత, పిందె దశలో యాజమాన్యం Dr.L.Mukundalakshmi, Senior Scientist, CRS, Tirupati
05.05.2021	తమలపాకు సాగులో మెళకువలు Dr.D.Aparna, Scientist, HRS, V.R.Gudem
06.05.2021	జీవన ఎరువుల ప్రాముఖ్యత Dr.V.Deepthi, Scientist, KVK, V.R.Gudem
07.05.2021	బొప్పాయిలో తెగుళ్ళ యాజమాన్యం Dr.T.Nagalakshmi, Scientist, HRS, Anantharajupeta
10.05.2021	శాస్త్రీయ పద్ధతిలో రొయ్యల పెంపకం Dr.A.Devivaraprasad Reddy, Scientist, KVK, V.R.Gudem
11.05.2021	అల్లం సాగులో మెళకువలు Dr.V.Siva Kumar, Scientist & Head, HRS, Chintapalle
12.05.2021	ఔషధ మరియు సుగంధ మొక్కల సాగు పద్ధతులు Dr.P.Ramadevi, Senior Scientist & Head, HRS, V.R.Gudem
13.05.2021	బత్తాయిలో పోషక లోపాలు – వాటి యాజమాన్యం Dr.T.Rajasekharam, Scientist, CRS, Tirupati
15.05.2021	ఎరువుల వాడకంలో పాటించవలసిన మెళకువలు జాగ్రత్తలు Sri P.Rajasekhar, Scientist, KVK, Pandirimamidi

### "Udyana Vani" programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following "Udyana Vani" Programs during the first fortnight of May, 2021.

Date	Activities
03.05.2021	మే మాసంలో రాష్ట్రంలో వివిధ కూరగాయల పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; మామిడి సాగులో మెళకువలు
04.05.2021	మే మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; కొబ్బరిలో యాజమాన్య పద్ధతులు

Date	Activities
05.05.2021	వాతావరణ సూచనలు; మే మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; కార్నేషన్ సాగులో మెళకువలు
10.05.2021	వాతావరణ సూచనలు; మే మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; కార్నేషన్ సాగులో మెళకువలు
11.05.2021	వాతావరణ సూచనలు; మే మాసంలో రాష్ట్రంలో వివిధ సుగంధ పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; టమాట మరియు మిరప సాగులో మెళకువలు
12.05.2021	మే మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; అరటి సాగుకు అనువైన పరిస్థితులు, రకాలు, మొక్కల ఎంపిక మరియు నాటే విధానం
13.05.2021	కొబ్బరిలో యాజమాన్య పద్ధతులు
14.05.2021	మే మాసంలో రాష్ట్రంలో వివిధ సుగంధ పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; పండ్లు, కూరగాయల నిల్వలో పాటించవలసిన సూత్రాలు మరియు నిల్వ పద్ధతులు
15.05.2021	మే మాసంలో రాష్ట్రంలో వివిధ కూరగాయల పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; గ్రామీణ ప్రాంతాలలో మహిళలు మరియు పిల్లలలో పోషకాహారం సమస్యలు—నివారణ

### **“Udyana Mitra” programs under Farmers Advisory Cell of Dr YSRHU**

Dr YSRHU-Farmers Advisory Cell organized the following “Udyana Mitra” Programs during the first fortnight of May, 2021.

Date	Activities
06.05.2021	Best Management Practices in Crossandra Dr.A.V.D.Dorajeerao, Professor, CoH, V.R.Gudem
10.05.2021	Best Management Practices in Sapota Dr.P.Ashok, Sr.Scientist, HRS, V.R.Gudem
	Terrace Gardening Dr.M.Ravindrababu, Sr.Scientist, HRS, V.R.Gudem

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