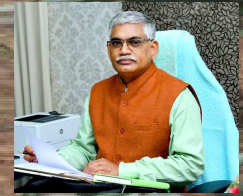




Fortnight Focus

- Events
- Education
- Research
- Extension
- General



From Vice-Chancellor's Desk

BOOSTING QUALITY SEED AND PLANTING MATERIAL IN HORTICULTURAL CROPS

Horticultural crops are propagated through seeds, tubers, rhizomes and vegetative method of propagation. Vegetative method of propagation including micropropagation provides opportunities for the faster multiplication true-to-type clones. Identified high-yielding clones can be propagated faster using vegetative methods of propagation without going for generation to achieve stabilization. Further, Many Horticultural crops are perennial in nature and any wrong choice of cultivar, and quality planting material and seed will invite more risks to the farmers. Quality seed and planting material therefore are the most important determinants for Horticultural crop production. The efforts done for several years will be futile, if true-to-type, healthy and disease free planting material has not been used. Therefore, production & supply of quality seed and planting material assumes greater signature in the development of Horticulture.

All the nineteen Horticultural Research Stations in the university are producing quality seed and planting material & supplying to the farmers. This is being achieved through state of art facilities, model nurseries and small nurseries supported by university Revolving Funds, NABARD, RKVY, MIDH, DASD, DCCD, CDB etc. Certain state of art facilities for quality seed & planting material in the university are Centre for Excellence on protected cultivation at HRS, Venkataramannagudem, Centre for Excellence on orchids at HRS, Chintapally, Screen House for virul indexing at CRS, Tirupati & HRS, Nandyal.

Dr T. Janakiram
Vice-Chancellor

The Events

Best Extension Education Institute Award to Dr.YSRHU

The university has received “Best Extension Education Institute Award-2021” at National level under Agricultural Extension awards from Agriculture Today group on 9 April, 2021.



Capacity Building Training program to VHAs & VAAs of RBKs



KVK, Venkataramannagudem conducted one day capacity building training programme on “Cultivation of Horticultural crops with good management practices” to VHAs and VAAs of RBKs on 15 April 2021. During this program Hon’ble Vice-Chancellor Dr T.Janakiram attended as chief guest and respected university officers Dr. B. Srinivasulu, Director of Extension, Dr. R.V.S.K. Reddy, Director Research and ADA, Bhimadolu

attended and addressed the trainees and stressed on importance of Horticulture in Indian economy. Later on technical sessions on improved management practices on Vegetables, Fruits and pest and disease management in Horticultural crops delivered by Dr. M. Ravindra babu, Senior Scientist (Horticulture), HRS, VRG, Dr K. Venkata Subbaiah, Scientist (Horticulture), and Sri G. Shali raju, Scientist (Entomology), KVK, VRG respectively. In this program 50 VHAs and VAAs have participated.

Babu Jagjeevan Ram’s Jayanthi

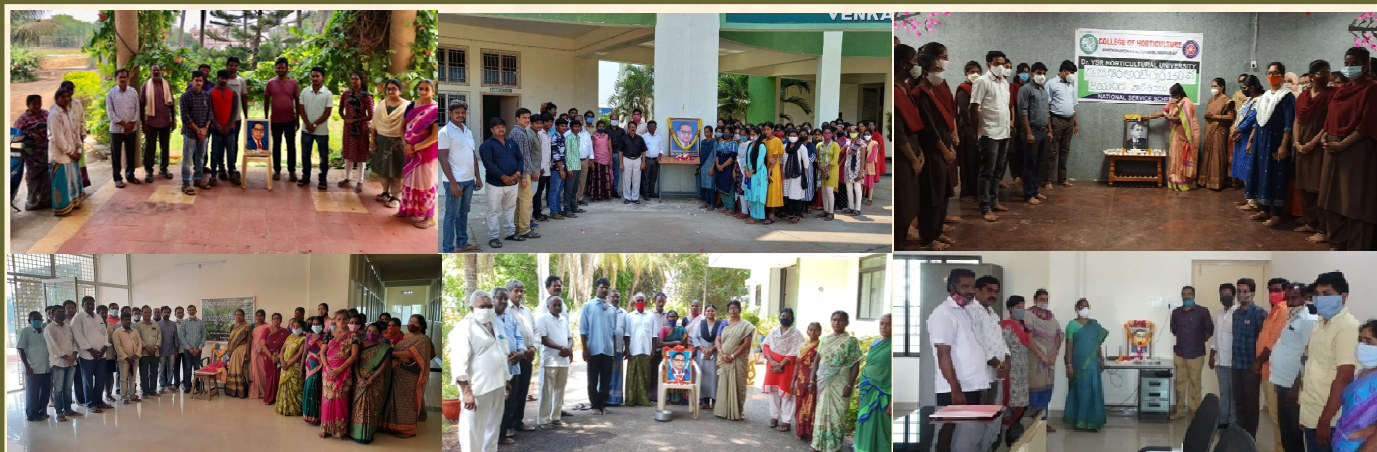
Babu Jagjeevan Ram’s Jayanthi was celebrated at Administrative office, all the constituent colleges, Research Stations and Krishi Vigyan Kendras of Dr. YSRHU on 5 April 2021. Dr T.Janakiram, Hon’ble Vice-Chancellor, Dr.YSRHU paid floral tributes at Administrative office. University officers and staff have participated in the program.



Dr.B.R.Ambedkar’s Jayanthi

Dr.B.R.Ambedkar’s Jayanthi was celebrated at Administrative office, all the constituent colleges, Research Stations and Krishi Vigyan Kendras of Dr. YSRHU on 14 April 2021. Dr T.Janakiram, Hon’ble Vice-Chancellor, Dr.YSRHU paid floral tributes to Father of Indian Constitution at Administrative office. All the university officers and staff have participated in the program.





Education

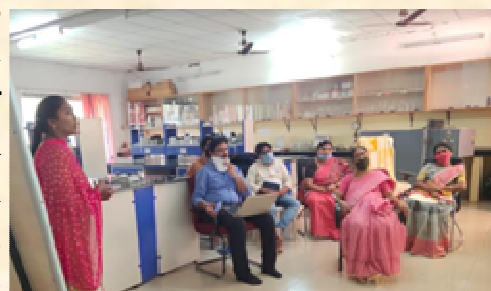
NSS Special camp

NSS special camp was conducted to 2017 admitted batch B.Sc (Horticulture) IV year students of CoH, Venkataramannagudem from 3 to 9 April 2021 at the University campus and the adopted village Prakasaraopalem. The students were involved in the activities like cleaning the UG, PG class rooms and Sports complex; learning YOGA, Aerobics and Self defence techniques; conducted COVID Tests and medical camp at the college. An awareness rally on COVID Vaccination and Veterinary camp were conducted; preparation of hand sanitizer and Sodium hypochlorite solution were demonstrated at Z.P High School premises and Grama Sachivalayam of Prakasaraopalem village. NSS program Officers Dr. D.R.Salomi Suneetha, Professor, Dr. R.V. Sujatha, Associate Professor, Dr. A. Harsha Vardhan, Assistant Professor co-ordinated the camp under the supervision of Dr. K. Uma Jyothi, Associate Dean of the College. The village activities were conducted with the support of VC to Village program Co-ordinator Dr. M. Paratpara Rao, Assistant Professor, CoH, Venkataramannagudem.



Group Meetings

Dr. R. Nagaraju, Principal Scientist (Horticulture) & Head, Dr D. Sreedhar, Scientist (Horticulture), Dr. T. Naga Lakshmi, Scientist (Pl. Pathology) and Dr.Y.Sharat Kumar Reddy, Scientist (Pl. Physiology),HRS, Anantharajupeta along with Dr.K. Swarajya Lakshmi, Dr.B. Tanuja Sivaram conducted elocution to the students of CoH, Anantharajupeta on “Postharvest management and value addition in Turmeric” on 6 April 2021 as a part of providing opportunity to students to present at District level turmeric training programme. One of the student Miss S.Pavani, AHM/20-21 from department of Postharvest technology got selected for further presentation at district level.



Research

Scientists of HRS, Anantharjupeta reported severe incidence of preharvest diseases of Mango in YSR Kadapa and Chittoor districts of Andhra Pradesh. The severity found mostly in the gardens where the dried inflorescence is intact with the set fruits and in cluster bearing. Both thrips damage and bacterial fruit spot of mango were also found severe.



Smt. P. Sunitha, Scientist (Entomology), HRS, Venkataramannagudem found the incidence of sucking bug (Chinch bug) sucking sap on tender tulasi shoots during the period under report.



Under CDB project on "Standardization of liquid formulation and mass multiplication of promising entomopathogen *Isaria fumosorosea* (NBAIR Pfu-5) against Rugose Spiraling Whitefly, *Aleurodicus rugioeperculatus* martin in Andhra Pradesh" Dr. P. Rama Devi, Senior Scientist (PP) & PI, Smt. P. Sunitha, Scientist, Co-PI have conducted *in vitro* evaluation of *Isaria* fungus against RSW nymphal population on coconut and it has been noticed that the oil formulation of fungus has shown detrimental effect on developmental stages of RSW when compared to control treatment.

Diagnostic Visits

Dr C.Madhumathi, Principal Scientist & Head, Dr M.Kavitha, Senior Scientist (Plant Pathology), and Dr L.Ranjith Kumar, Scientist (Entomology), CRS, Petlur conducted field diagnostic visit of acid lime orchard at Balayapalli Mandal on 01-04-2021 and observed that, orchard is infested with thrips and dry root rot. Suggested to spray Spinosad 48 % SC @ 0.25ml /lit for thrips and soil application of *Trichoderma viridae* (100g/tree) + *Pseudomonas fluorescens* (100g/plant) + 2kg neem cake + 25 kg FYM for dry root rot management.



On 1 April 2021, Dr V.Govardhan Rao, Scientist (Plant Pathology), HRS, Ambajipeta and Dr Ch.S.Kishore Kumar, Scientist (Plant Pathology) & AICRP (Nematodes), HRS, Kovvur carried out a diagnostic field survey in coconut gardens with unusual death of coconut palms and follow up of given treatments with various fungicides at Billakurru village in Kothapeta mandal of East Godavari district.

On 10 April 2021, Dr V.Govardhan Rao, Scientist (Plant Pathology), Sri. A. Kireeti, Research Associate and Dr. G.Koteswara Rao, Research Associate, HRS, Ambajipeta proceeded to Chagallu, Nidadavolu, Kalavalapalli, Yerraguntapalli, Tadikelapudi villages of West Godavari district and collected information from progressive farmers.



Extension Activities

Vice-Chancellor to Village Activities

Dr. Ch. Ruth, Professor (Plant Pathology), CoH, Ananthrajupeta along with ELP students visited Nagavaram adopted village and initiated mushroom unit with Sri. Akepati Sankaraiah. Collection and cutting of paddy straw was done on 7 April 2021 and mushroom beds were prepared on 8 April 2021.



On 8 April 2021, Dr V.Govardhan Rao, Scientist (Plant Pathology), Sri. A. Kireeti, Research Associate and Dr. G.Koteswara Rao, Research Associate, HRS, Ambajipeta proceeded to adopted village, Avidi as follow up visit to the SC sub plan programme implementation on banana at farmers field. Observed the inputs application and planting of tissue culture banana in coconut gardens.

On 12 April 2021, Elementary school students visited CRS, Petlur to know about different crops and nursery operations that are being carried out at CRS, Petlur. Dr.C.Madumathi, Principal Scientist (Hort.) explained about Nutritional garden, different crops and also explained about the nursery activities of acid lime and sweet orange to the students.



A method demonstration on "Soil sampling in orchards" was conducted by HRS, V.R.Gudem to create awareness among farmers regarding soil testing at adopted village, Jaggannapeta on 12 April 2021 and the benefits of soil sampling and soil testing were explained.

On 15 April 2021, KVK, Vonipenta conducted awareness programme to school children at Sunkulagaripalli village of Mydukur mandal. Dr Srividya Rani, N, Scientist & Head and Dr. V. Yugandhar, Research Associate (Horticulture), Dr. V. Nagarjuna, Research Associate (Soil Science) and Ms. K. Prasindhu, Research Associate (Plant Pathology) explained about the importance of Horticulture, Layout of kitchen garden in the school premises and also the precautions to be taken during COVID-19 situations.



Annual Action Plan Meeting of KVKs 2021-2022

Dr.B.Srinivasulu, Director of Extension along with all the scientific staff of KVKs under Dr.YSRHU participated in Annual Action Plan Meeting of KVKs 2021-22 organized by ICR-ATARI, Zone-X, Hyderabad on 6 & 7 April 2021. Scientists presented the action plan 2021-22 theme wise in all the disciplines.

Pre Action Plan Review Meeting (Virtual) of KVKs was conducted on 4 April 2021 by Dr B.Srinivasulu, Director of Extension and reviewed the subject wise/thematic area wise proposed action plans by all the four constituent KVKs under Dr. YSRHU. All the Heads and Scientists participated and presented the action plans and noted the suggestions for improvement.

Field Day

On 15 April 2021, KVK, Vonipenta organized a field day on sesame variety, YLM-66 cultivated under Cluster Front Line Demonstrations- Oilseeds under NFSM- 20-21 sponsored by ICAR -ATARI, Zone- X, Hyderabad at Sunkulagaripalli Village of Mydukur mandal. Dr. Srividya Rani, N, Scientist & Head



interacted with the farmers regarding cultivation practices, expenditure and expected yield and also conducted crop cutting experiment in an area of 5X5 m, followed by visit to Sesamum -YLM-66 cultivated fields and interacted with the farmers regarding the variety. Farmers responded positively regarding the performance of Sesamum variety YLM-66, which is suitable for both *kharif* and *Rabi* seasons, resistant to powdery mildew and leaf spot diseases. Released a pamphlet on cultivation aspects of sesame for getting higher yields. Dr Srividya Rani, N, Scientist & Head coordinated the programme.

Training Programmes



On 15 April 2021, KVK, Venkataramannagudem conducted one day awareness programme to “Aqua worker” trainees on District Agromet Unit (DAMU) and explained on Agro met crop advisories and real-time utilization in field level and also about five day weather forecast and its importance in agricultural practices. This programme was co-ordinated by Sri. Venkata Satish, SMA

(Agro met.).

SC Sub Plan

On 3 April 2021, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta conducted followup visit in chilli fields at Thorrivemula village of Mylavaram mandal under IIHR-SC -Sub plan. Observed fruit rot and suggested to spray Propiconazole @0.1% or Azoxystrobin @0.1% to manage the disease.



On 9 April 2021, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta conducted followup visit in ridge gourd fields at K.Kothapalli village of Kamalapuram mandal under IIHR- SC-Sub plan. Observed thrips infestation in ridge gourd and suggested to spray Imidacloprid @ 0.03% or Dimethoate @ 0.2% + Neem oil @ 0.5%.

Diagnostic Visits

Dr. Ch. Ruth, Professor (Plant Pathology), CoH, Anantharajupeta along with ELP students visited Bommavaram village of YSR district and observed leaf miner and downy mildew incidence in watermelon and papaya ring spot virus in Papaya fields on 8 April 2021 and suggested remedial measures.



On 12 April 2021, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited chilli fields at Ponnampalli village of Mydukur mandal. Observed leaf curl virus disease in chilli and recommended to spray Acetamiprid @ 0.03% or Spiromesifen @ 0.1% to control the spread of vectors.

On 1 April 2021, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited acidlime and chilli plots for diagnosis of pests and diseases at Paluguralla palle village of B.Matam mandal. Observed leaf caterpillar in acid lime and recommended to spray profenophos @ 2ml /l to control pest. Observed thrips infestation in chilli and suggested to spray Acetamiprid @ 0.02% or Fipronil @ 0.2% .



On 9 April 2021, Dr V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited brinjal and chilli fields for diagnosis of pests and diseases at K.Kothapalli village of Kamalapuram mandal. Observed fruit rot in brinjal and recommended to spray Copper-oxychloride @ 0.3% thrice at an interval of 10 days. Also observed downward curling in chilli and suggested to spray Dicofal @ 5ml/lit for the disease management.

General

Phone-in-Live Programmes

Dr B.K.M.Lakshmi, Senior Scientist & Head, MRS, Nuzvid attended Phone-in-Live Programme on “Pest and Disease Management in Mango” at Doordarshan Kendra, Vijayawada on 8 April 2021.

TV Programmes

Dr. L.Mukunda Lakshmi, Senior Scientist (Horticulture), CRS, Tirupati attended recording on “Best Management practices in cultivation of citrus (Sweet orange)” at RBKs, ICC, Gannavaram on 8 April 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 April (3-4 PM).

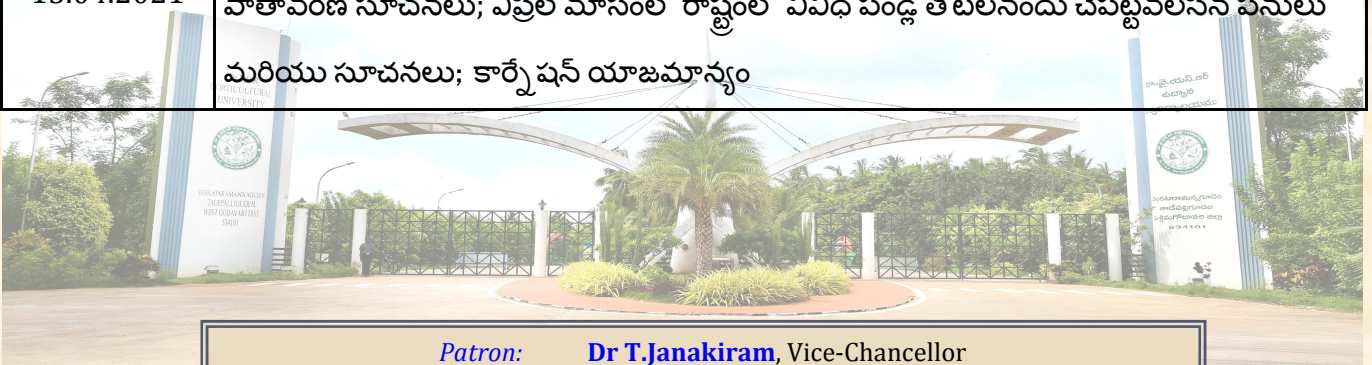
Date	Activities
01.04.2021	వేసవిలో చీని, నిమ్మ తోటలలో సమగ్ర యాజమాన్యం Dr K.T.Venkataramana, Sr.Scientist & Head, CRS, Tirupati
03.04.2021	అరటిలో గెల యాజమాన్యం Dr G.Ramanandam, Principal Scientist & Head, HRS, Kovvur
06.04.2021	జామ తోటలలో పాటించవలసిన మేల్తైన యాజమాన్య పద్ధతులు Dr M.Mutyala Naidu, Principal Scientist & Head, HRS, Darsi
07.04.2021	బొప్పాయిలో సమగ్ర సస్యరక్షణ Dr T.Nagalakshmi, Scientist, HRS, Anantharajupeta
08.04.2021	కొబ్బరిని ఆశించే తెగుళ్ళ నివారణకు జీవ నియంత్రణ పద్ధతులు Dr V.Govardhan, Scientist, HRS, Ambajipeta

Date	Activities
09.04.2021	తమలపాకు సాగులో మెళకువలు Dr D.Aparna, Scientist, HRS, Venkataramannagudem
12.04.2021	జీడిమమిడిలో కాండం తొలిచే పురుగు యాజమాన్యం Dr B.Nagendra Reddy, Scientist, CRS, Bapla
15.04.2021	దానిమ్మ సాగులో మెళకువలు Dr B.Srinivasulu, Associate Dean, CoH, Anantharajupeta

“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 April, 2021.

Date	Activities
01.04.2021	చీని, నిమ్మలో పురుగులు మరియు తెగుళ్ళ యాజమాన్యం
03.04.2021	ఏప్రిల్ మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలనందు చేపట్టవలసిన పనులు మరియు సూచనలు; అరటి సాగుకు అనువైన పరిస్థితులు, రకాలు, మొక్కల ఎంపిక మరియు నాటీ విధానం
06.04.2021	ఏప్రిల్ మాసంలో రాష్ట్రంలో వివిధ కూరగాయ తోటలు మరియు పూల తోటలందు చేపట్టవలసిన పనులు మరియు సూచనలు; అరటి సాగులో సస్యరక్షణ చర్యలు; కోవిడ్-19 సూచనలు
07.04.2021	ఏప్రిల్ మాసంలో రాష్ట్రంలో వివిధ తోట పంటలలో చేపట్టవలసిన పనులు మరియు సూచనలు; గులాబి మరియు గ్లాడియోలస్ యాజమాన్యం
09.04.2021	ఏప్రిల్ మాసంలో రాష్ట్రంలో సుగంధ ద్రవ్య పంటలు, ఔషధ మరియు సుగంధ తైల మొక్కలనందు చేపట్టవలసిన పనులు మరియు సూచనలు ; వాతావరణ సూచనలు; లిల్లీ, మల్లె, కనకాంబరం మరియు చైనా ఆస్టర్ యాజమాన్యం
15.04.2021	వాతావరణ సూచనలు; ఏప్రిల్ మాసంలో రాష్ట్రంలో వివిధ పండ్ల తోటలనందు చేపట్టవలసిన పనులు మరియు సూచనలు; కార్నేషన్ యాజమాన్యం



Patron: Dr T.Janakiram, Vice-Chancellor
Editors: Dr B. Srinivasulu, Director of Extension
 Dr R.V.S.K.Reddy, Director of Research
 Dr K.Gopal, Registrar
Sub-Editor : Sri K.Ratna Kishore Babu, Public Relations Officer
Dr Y.S.R. Horticultural University
 Administrative Office, Venkataramannagudem-534 101,
 West Godavari district, Andhra Pradesh