



Dr YSRHU e-Newsletter

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



Vol.VII, Issue-18

Dr YSRHU e-Newsletter

16-30 September 2021



Fortnight Focus

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From Vice-Chancellor's Desk

Dr.YSRHU INTERVENTION - RECOGNITION TO FARMERS

Dr.YSR Horticultural University (Dr.YSRHU) is continuously concentrating in technical support to RBKs on horticulture and allied sectors through forty two institutes (Krishi Vigyan Kendras (4), Horticultural Research Stations (19), Colleges of Horticulture (8) and horticultural Polytechnics (11)) located in thirteen districts of Andhra Pradesh.

With Intervention of KVKs & HRS under Dr.YSRHU, farmers (five) from Andhra Pradesh received Udyana Ratna Awards-2021 at International Conference on "Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture" held on 16-19 September, 2021 at PJTSAU, Hyderabad for popularization of Dr.YSRHU technologies. 1) Smt.Madakam Venkayamma, W/o.MAdakam Jampala Rao, Dasiyyapalem (V), Buttayyagudem (M), West Godavari district (KVK, V.R.Gudem) for ICM in cashew 2) Sri.Kathula Somireddy, S/o.Lachireddy, Pandirimamidikota (V), Maredumilli (M), East Godavari district (KVK, Pandirimamidi) for rubber cultivation, tapping & processing in agency area 3) Sri.Katta Bala Subramanyam, S/o.K.Veeraiah, Talvaipudu (V), Pellakur (M), SPSR Nellore district (KVK, Periyavaram) for Hitech vegetable cultivation 4) Sri.T.Bala Narasimha Reddy, S/o.T.Narayana Reddy, Vonipenta (V), Mydukur (M), YSR Kadapa district (KVK, Vonipenta) for INM & IPM in turmeric & vegetables 5) Sri.Kauvuri Venkata Ramana, S/o.Apparao, Raya Bhupala Patnam (V), Peddapuram (M), East Godavari district (HRS, Peddapuram) for adoption of technologies in cassava.

ICAR-Pandit Deendayal Upadhyay Krishi Vigyan Protshahan puraskar, 2019 at National level and 2017 at Zonal level received Dr.YSRHU-KVK, Venkataramannagudem intervened tribal women farmer Mrs.Tellam Ramanamma of East Rekulagunta village of West Godavari district received ICAR-Pandit Deendayal Upadhyay Anthodaya Krishi Puraskar-2019 for adoption of Integrated Farming System.

Dr T.Janakiram
Green-Chancellor

The Events

Dr.YSRHU — TTD Collaborative Skill Trainings

As per the MoU between Tirumala Tirupati Devasanamams (TTD) and Dr.YSR Horticultural university (Dr.YSRHU), collaborative skill training programmes were initiated for the 1st batch of 30 number of women trainees from 28th September, 2021 on “Dry flower technology” at Skill Training Centre, Dr.YSRHU-CRS, Tiupati. The inaugural session was launched in the presence of Dr. T. Janakiram, Hon’ble Vice Chancellor, Dr.YSRHU (virtual), Dr. V. Padmanabha Reddy, Vice-Chancellor, SVVU, Smt. S. Bhargavi, IAS, JEO,TTD, Dr.



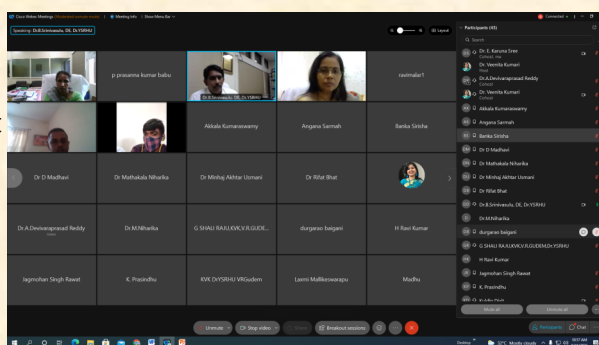
R.Ramana Prasad, Deputy Executive officer (G), TTD, Dr.B.Srinivasulu, Director of Extension, Dr. K.Gopal, Registrar, Dr. RVSK Reddy, Director of Research, Dr.YSRHU, Dr. K T V Ramana, Zonal Research Head (Rayalaseema Zone), Dr.E.Karuna Sree, Principal Scientist & Head, KVK, V R Gudem, Dr. R.Nagaraju, Principal Scientist (H) & Head, CRS, Tirupati, Dr. B. Srinivasulu, Associate Dean, COH, A R Peta, Dr. B. Govindarajulu, Principal Scientist & Head, KVK, Periyavaram and Dr.Sri Vidyarani, Scientist & Head, KVK, Vonipenta. Dr.R.Nagaraju, Principal Scientist & Head, Dr.YSRHU-CRS, Tirupati, Co-ordinated the programme.



Dr. Jawahar Reddy, IAS, Executive Officer, TTD and Smt. S. Bhargavi, IAS, JEO, TTD, Dr. R. Ramanaprasad, JEO, TTD visited the on going training programme and interacted with the women trainees on 30th September, 2021. In valedictory session on 30th September Dr. T. Janakiram, Vice-Chancellor, Dr.YSRHU, Smt. S. Bhargavi, IAS, JEO, TTD, Dr. R.Ramana Prasad, Deputy Executive officer (G), TTD. Dr.B.Srinivasulu, Director of Extension, Dr. R. Nagaraju, Principal Scientist (H) & Head, CRS, Tirupati. Dr. E. Karuna Sree, Principal Scientist & Head, KVK, V. R Gudem interacted with the trainees followed by trainees feed back.

Dr.YSRHU — MANAGE Colloborative online training

Dr.YSRHU-KVK Venkataramanangudem has conducted collaborative online training programme with MANAGE on “Opportunities for Entrepreneurship Development for Women through Horticulture Sector” from 16 to 18 September 2021 to the Scientists, academicians, teachers and Heads of FPOs from SAUs, ICAR institutions and NGOs. Dr.B.Srinivasulu, Director of Extension, Dr.YSRHU has participated in inaugural session.



Dr.E.Karunasree, Principal Scientist & Head, KVK, Co.ordinated the programme.

Education

Spot evaluation of answer scripts for 3rd year 2nd semester final examinations was conducted during 20th to 22nd, September, 2021 at COH, Anantharajupeta. The Final examination papers of COH, Venkataramanegudem, COH, Chinnalatarapi, SKDCHS, Anantapuramu and J.C. Diwakar Reddy Horticultural College, Tadipatri were evaluated at this centre.

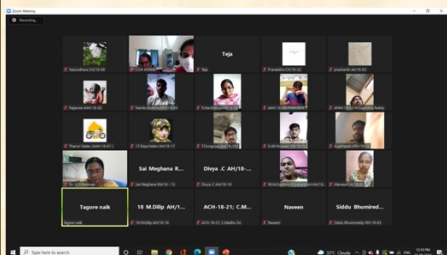


HORTICET-2021, Entrance examination was conducted at COH, Anantharajupeta under the chairmanship of Dr. B. Srinivasulu, Associate Dean on 24 September 2021. The examination was conducted by following all the rules and regulations of exam and COVID-19 guidelines. The answer papers were evaluated on 25 September 2021 and the results were submitted to the University

immediately.

RHWEP Activities

Dr. M. Raja Naik, Associate Professor (Hort.), COH, Anantharajupeta participated in an interaction meeting of RAWEP students of COH Anantharajupeta at the office of Krihisi Vigyan Kendra, Periyavaram on 28 September 2021 and explained the students about ITKs (Indigenous Traditional Knowledge) developed by the farmers over a period of time.



Conducted Zoom meeting on the activities of RHWEP, Kurnool batch students. Dr.M.TagoreNaik and AD representatives for Kurnool dt. interacted with final year students on 22-09-2021.

International year of Millets 2023

“International year of Millets 2023” campaign on nutri garden and tree plantation program on “Awareness of millet nutrition” was organized at CoH, Anantharajupeta on 17 September 2021. All millets were displayed and created awareness about different millets and their nutritional value. Dr.K.Lalitha, Assistant Professor (Agron), Dr. Ch. Ruth, Dr.K.Swarajya Lakshmi explained about the millets importance in human diet and value addition. 15 number of farmers from adopted village (Venkatareddipalli) have also participated in the program. Vegetable seeds (Kitchen garden kits) and acid lime plants were distributed to the farmers on this occasion. Acid lime seedlings and ornamental plants (a total of 100 plants) were planted in the campus on this occasion, by involving all the staff members and students. Finger millet (Ragi) porridge was prepared and served to the participants on the occasion.



NSS Activities

Celebrated the NSS Foundation Day at COH, Anantharajupeta on 24-09-2021. As a part of Poshanmah, distributed the nutri-garden kits to the farmers of adopted village under VC to Village programme and planted citrus seedlings in the farm orchard on 17 September 2021.



Dr. M. Jayaprada, NSS Programme Officer has got "Karamveer Award 2021" by Krisha Foundation, Mumbai for her seamless execution of works.

Placement cell

Dr. K.M. Yuvaraj, Professor (Hort.), Placement cell in-charge organized interviews for B. Sc (Hons.) Horticulture and M. Sc (Hort.) completed students (Boys & Girls) of Rayalaseema zone to work in the companies i.e., M/s.Sree Srinivasa Traders, M/s.Kissan smart Agri. Solutions Private Ltd., M/s.Charuhasa Bio Technology Private Ltd., M/s.Sree Srinivasa Hitech Nursery on 20 September 2021 and 8 students were selected by the companies.



Orientation Classes

On 22.09.2021, Dr. Srividya Rani.N, Scientist & Head KVK, Vonipenta had provided orientation to RHWEP students regarding activities to be taken up under RHWEP programme and conducted cleanliness drive under the Swachhta Action plan at KVK, Vonipenta. Under this programme the Scientist and head, other KVK staff and students removed the weeds in Mango orchard.



Research

VARIETAL RELEASE

Ajwain variety LS-14-3 (Lam Ajwain-3) developed at AICRPS, HRS, LAM through mass selection of land race selected from Joharapuram village of Kurnool district is approved for release at National level during XXXII workshop (on-line) of AICRP on Spices conducted from 22.9.2021 to 24.9.2021.



Chilli seed production plots under revolving fund were inundated and total crop was lost due continuous and heavy rains received and replanting was done. Sowing of chilli nursery is under progress.

In a drive to collect and conserve the ethnic vegetables, an effort was made by the Department of Vegetable Science and plant breeding of College of Horticulture, Anantharajupeta to collect the tubers of *Momordica cymbalaria*, an under exploited vegetable which is endemic to Rayalaseema region of Andhra Pradesh. It is also found in TN, MP and Maharashtra. Nearly 10 accessions were procured from AP and some from Vijayapura district of Karnataka. The tubers were planted as a block. Some of them are in flowering and fruiting stage.



Tubers

Vine

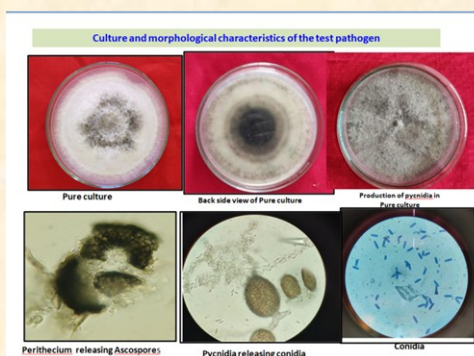
Female Flowers



Male Flower

Fruits

Dr. T. Naga Lakshmi and K. Sushma M.Sc II year (Pl. Pathology), HRS, Anantharajupeta studied etiology and casual organism of gummy stem blight which is a major disease affecting cultivation of cucurbitaceous vegetables such as ash gourd, bitter gourd, bottle gourd, cucumber, muskmelon and ridge gourd. The pathogen associated with Gummy stem blight was isolated from ridge gourd and proved koch's postulates. The pathogen has been characterized morphologically and confirmed with molecular analysis using ITS1 & ITS4 universal primers. The amplicon size obtained with these primers is of 545 bp size. The sequence of the isolate was compared with the NCBI –GenBank database using the blast algorithm (www.ncbi.nlm.nih.gov). Results confirmed that the fungal isolate was sharing 91% homology with the *Didymella* sp. and the sequence was deposited in NCBI gene bank (Acc No. OK275642). This is the first report on morphological and molecular characterization of gummy stem blight pathogen on ridge gourd in Andhra Pradesh, India.



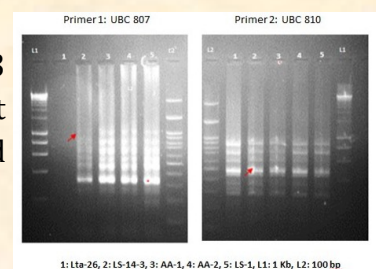
Male flower buds of banana traditional cultivar Amrutapani were collected from Kondavada village, Maredumilli, East Godavari District on 7 August 2021 and cultured the male hands of 0.5 cm to 2.0 cm length on MS media supplemented with 6.0 mg L⁻¹BAP + 0.18 mg L⁻¹IAA + 2 mg L⁻¹Casein Hydrolysate+ 25 mg L⁻¹Ads to examine the potentiality of the previously standardized protocol in banana cv Karpura Chakker Keli. After 30 days of culture initiation, 48% cultured male flower buds were responded and produced cauliflower like bodies and shoot organogenesis was also recorded at 45 days after initiation. The regenerated shoot buds were regularly transferring for maintaining the culture. This protocol is highly helpful for restoring this endangered native banana cultivar otherwise micro-propagation through suckers/apical meristems is highly difficult.



Dr.L.Ranjith Kumar, Scientist (Entomology), CRS, Petlur, conducted roving survey of acid lime orchards at kalyanpuram village of Podalkur mandal of SPSR Nellore on 25 September 2021 and observed that, orchard was infested with green mite and citrus canker. The farmer was suggested to spray Propargite 57 % EC @ 1.0 ml/lit of water for mites and Copper oxychloride 45%WP + Kasugamycin 5% @ 1.0 g/lit of water for control of canker.

DNA FINGER PRINTING

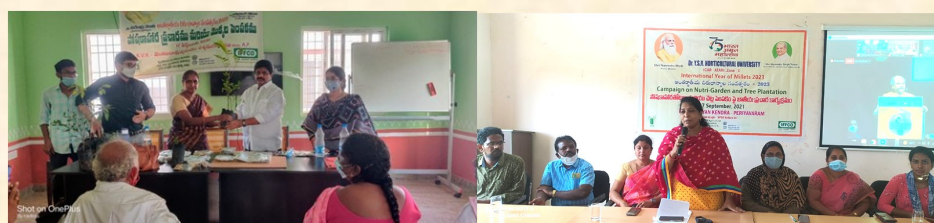
DNA finger printing for pre- released Ajwain variety viz Lam Ajwain-3 (LS-14-3) in comparison to its closely related variety LS-1 was done at HRS, LAM, Guntur using various ISSR markers. Primer UBC-807 and UBC-810 showed highest percentage of polymorphic bands.



Extension Activities

Poshan Vatika Maha Abhiyan & Tree Plantation drive

All the KVKs under Dr.YSRHU organized Poshan Vatika Maha Abhiyan & Tree Plantation drive in connection with organization of curtain raiser of International Year of Millets – 2023 on 17 Sept 2021. As part of the programme, arranged live telecast of Shri Narendra Singh Tomar, Hon'ble Union Minister speech. Scientists explained the importance and Value addition of Nutricereals and their role on human health and significance of Nutrigardens for food and nutritional security.



Vice-Chancellor to Village Activities

On 20 September 2021, Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) & Head, Sri. A. Kireeti, RA (Hort.), Dr. G. Koteswara Rao, RA (Hort.) and Dr. D. Devika Rani, RA (Entomology), HRS, Ambajipeta attended the 1st fortnight follow up meeting at adopted village Mamidikuduru and imparted training on “Importance of growing intercrops in coconut” at RBK, Mamidikuduru



On 30 September 2021, Dr. V. Govardhan Rao, Scientist (Pl.Path), Sri. A. Kireeti, RA (Hort.), Dr. G. Koteswara Rao, RA (Hort.) and Dr. D. Devika Rani, RA (Ent.), HRS, Ambajipeta organized a meeting in the adopted village, Mamidikuduru as part of 2nd fortnight “VC to Village programme”. In this programme various measures to be taken in cyclone affected coconut orchards with intercrops like co-coa and areca nut were explained to the farmers. The information on IPM practices was also delivered to the SC sub plan implemented farmers.

Dr. E. Padma, Assoc. Prof. (Hort), Dr.K.Usha Kumari, Assoc.prof (Hort) and Dr. S. Narasimha Rao, Assoc. Prof. (Pl. Path), Coh, V.R.Gudem visited adopted village Pullalapadu on 30 September 2021. The team observed the arecanut plantations and vegetable fields. They discussed the problems with farmers and gave suggestions for improvement in crop productivity and management practices for pests and diseases.



Dr.C.Madhumathi, Principal Scientist (Hort.) & Head, and Dr. M.Kavitha Senior Scientist (Plant pathology), CRS, Petlur supplied Petlur Selection -1 acid lime seedlings to Adopted village farmers of GK Palli with the assistance of Srinivasa Seva Trust (TVS), Venkatagiri on 16 September 2021.

Method demonstration on preparation of waste decomposer was conducted at RBK, Murevandlapalli on 22 September 2021. Dr.K.Mallikarjun, Horticulturist explained the procedure of waste decomposer preparation, precautions to be followed during preparation and also explained the usage of waste decomposer solution to the farmers through power point presentation. Later, method demonstration on preparation of waste decomposer at farmer field was conducted. Dr.C.N.Byanna, Principal, Dr.K.Mallikarjun, Horticulturist, Sri.M.Eswar Naik, Entomologist and Mr.R.Siva Kumar, VAA, RAWEP students of College of Agriculture, Mahanandi have participated.



Scientists of HRS, Mahanandi, conducted farmers interaction meeting with RHWEF-2021 batch students on 21 September 2021 and discussed about the activities to be taken up.



Dr.G.Ramanandam, Principal Scientist (Hort.) & Head, HRS, Kovvur proceeded to adopted village Penakanametta on 22 September 2021 along with Dr. R. Naga Lakshmi, Senior Scientist (Hort.) and Dr. Ch. S. Kishore kumar, Scientist (Plant Pathology) for field diagnostic visit along with farmers and observed the sigatoka leaf spot and bacterial rhizome rot in banana cv. Kovvur Bontha, Grand Naine and Tellachakkerakeli and also collar rot in cauliflower and micronutrient deficiencies and suggested remedial measures and also interacted with teachers and students and briefed the activities to be taken up with school children like awareness on nutritional importance and role of vegetables and fruits in daily diet.



As a part of VC to Village programme Smt T.Vijaya Lakshmi, Senior Scientist (Path) and Dr.A.Rajani, Senior Scientist (Hort) conducted awareness programme at Anganwadi centre, Nidumukala village to women and pregnant ladies on importance of nutritional food in their daily life and growing nutri gardens in their backyards on 18 September 2021.

On 22 September 2021, Dr. BKM lakshmi, Principal Scientist (P.P) and Head, Dr.R.Rajyalakshmi, Principal Scientist (Hort.) and Dr. G.Sravanthi, Scientist (Entomology), Mango Research Station, Nuzvid organised VC to Village program at adopted village, Tukkuluru and visited chillies and brinjal fields and advised the farmers on nutrients, pests & diseases management for quality yields in these crops.



On 29 September 2021, technical team of KVK, Vonipenta, conducted a training programme to farmers at Madirepalli Village of Duvvur mandal. Dr.Srividya Rani.N, Scientist and Head, KVK, Vonipenta explained the farmers regarding the activities taken up in the village. Dr.B.Srinivasulu, Director of Extension participated as chief guest and addressed the farmers on importance of apiculture, Mushroom production to rural youth and explained the importance of Nutrigardens to be taken up.

On 29 September 2021, Dr. B. Srinivasulu, Director of Extension and KVK, Vonipenta scientific staff visited Front line demonstration fields on INM in sweet orange at Ganjikunta village of Mydukur mandal under VC- Village programme and year of citrus-2021-22. The Director of Extension, interacted with farmers and suggested application of zinc sulphate @ 5 gm/lit, MgSO₄@ 2 gm/lit, Ferrous Sulphate @ 2 gm/lit borax @ 1gm /lit, CaCO₃ and Urea @ 10 gm /lit for correcting the nutrient deficiency in citrus.



On 29 September 2021, Dr. B. Srinivasulu, Director of Extension, K. Prasindhu, Research Associate (Plant Protection), Dr. SrividyaRani.N, Scientist & Head and KVK staff had conducted Follow up visit on FLD: Demonstration of Management of Dry root rot disease in sweet orange at Ganjikunta village of Mydukur mandal under VC to Village and Citrus year. The Director of Extension, suggested that multiplication of *Trichoderma resei* @100g in neem cake @ 2 kg by 10-15 days after incubation and then mixing in FYM @ 25kg/ plant fetches good yield through basal application.



Method Demonstrations

On 23 September 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) Dr. Srividya Rani.N, Scientist& Head, KVK, Vonipenta conducted method demonstration on seed treatment in blackgram and on campus training programme on pest and disease management in blackgram, at KVK, Vonipenta. During the programme Ms. K. Prasindhu, Research Associate (Plant Protection) had conducted method demonstration on seed treatment in blackgram with Imidacloprid @ 5 ml/kg and *Rhizobium* @ 25 gm/kg and also explained the management of Pests and Diseases in blackgram.



SC Sub Plan

Dr.E.Karuna Sree Principal Scientist and Head and Dr.A.Devivaraprasad Reddy, Scientist (Fishereis), KVK, Venkataramannagudem has demonstrated the use of chaff cutter for effective feed utilization and provided the chaff cutter to the dairy farmers of Pullapadu village under ICAR - SC SP plan on 18 September 2021.



Exposure Visit



On 24 September 2021, Sri.G. Shali Raju, Scientist (Ento.), KVK, V.R.Gudem Conducted exposure visit to the trainees from BCT-KVK, Haripuram, Vishakapatnam and explained about Scientific Beekeeping. Later conducted visit to Honey Processing Unit, Skill training & Processing Unit, Mushroom Production unit and Various Demonstration Units of KVK, V.R.Gudem West Godavari district.

Survey

On 21 September 2021, Dr.B.Vijayasree, Research Associate (Home Science), KVK, Periyavaram conducted household survey on "Assessing dietary diversity, consumption pattern and nutritional security in Nutri-SMART villages". As part of this programme visited Busapalem and Yathalur ST colony in Venkatagiri mandal of SPSR Nellore district. The house hold survey was conducted pertaining to the assessment of dietary diversity, consumption pattern and nutritional security in Nutri- SMART Villages from the beneficiaries of Nutrigardens in the respective nutria smart villages.



Training Programmes

Dr.L.Ranjith Kumar, Scientist (Entomology) of Citrus Research Station, Petlur attended Training Programme as a resource person on “Integrated pest Management in Acid lime” at Mogalluru village of Podalkuru Mandal , SPSR Nellore organized by Department of Horticulture on 25 September 2021. The farmers were briefed about the management of insect pests of acid lime through integrated approach using bio rationals along with right dose of insecticide at right stage of crop growth and farmers were insisted not to use spurious pesticides available in the market. The training programme was attended by ADH, RBK staff along with farmers.



Dr. D.Srinivasa Reddy, Senior Scientist (Entomology), CRS, Tirupati trained Technical and Field staff of APMAS and VHA staff working under RBKs of Madanapalli Division on identification of damage symptoms of *Tuta absoluta* & fruit fly pests in tomato crop at Madanapalli on 16 September 2021. Later power point presentation was given on latest management practices of these pests which was also attended by farmers. The technical staff was advised to collect fruit fly specimens (maggots) from different fields and send it to CRS, Tirupati for species identification.

Dr. L. Mukundalaksmi, Sr. Scientist (Hort), Dr. D. Srinivas Reddy, Sr. Scientist (Ento), and Dr. T. Rajasekharam, Sr. Scientist (Path) delivered lectures on latest production and protection technologies of citrus at CRS, Tirupati on 21 September 2021 to Crop Input dealers under DAESI program, ATMA unit of Chittoor district and later on exposure visit to experimental plots and nursery was conducted.



Dr. K. Subramanyam, Principal Scientist (PP) & Head, HRS, Mahanandi attended and participated in a training programme on “Integrated pest and disease management in Onion, Chilli and other vegetable crops” organized by Dept. of Horticulture, Kurnool on 18 September 2021 at RHTI, Kurnool.

Dr. P. Rama Devi, Principal Scientist (PP), HRS, V.R.Gudem delivered a lecture on “Production of bio-control agents related to disease management” in an off-campus training programme on “Opportunities for Entrepreneurship Development for Women through Horticulture Sector” on 18 September 2021 jointly organized by MANAGE & Dr. YSRHU.



On 27 September 2021, Dr. Srividya Rani N (Scientist and Head), Dr. V. Nagarjuna, Research Associate (Soil Science) Dr. V. Yugandhar, R.A (Horticulture), Dr. S. Lavanya, R.A (Veterinary Science) and K. Prasindhu, R.A (Plant Pathology), KVK, Vonipenta, attended as resource persons for training of FPO members at Mudireddypalli village of Mydukur mandal. The scientists explained the importance of FPO formation for marketing the farm produce and getting remunerative prices.

All the scientists of AICRP on MAP & Betelvine conducted awareness programme on “Cultivation of medicinal plants” and distributed Nannari planting material to selected farmers under tribal sub plan (TSP) at Pandugudem village, Buttayagudem-mandal on 24 September 2021.



On 21 September 2021, KVK Venkataramannagudem has organized one day training programme on integrated crop management in pulses to farmers of Apparaopeta village. Later on under cluster frontline demonstration programme distributed the critical inputs like black gram seed, herbicide, and pesticides to Apparaopeta village farmers, Tadepalligudem

mandal. This programme was coordinated by Dr. V. Deepthi, Scientist (Agri. Extn.), KVK, Venkataramannagudem.

On 22 September 2021, Inauguration of Distribution of *Pseudomallada astur* eggs to the farmers for the management of Rugose Spiraling Whitefly was conducted at KVK, Venkataramannagudem. Hon'ble Vice-chancellor, Dr. YSRHU Dr. T. Janakiram attended as chief guest and addressed the gathering on importance of bio-control agents in management of invasive pests, the predator *Pesudomallada astur*



was mass multiplied successfully on large scale at HRS, Ambajipeta and the technology is shared to various private organizations for the easy availability of Predator (*Pesudomallada astur*) eggs to the farmers. Later first Consignment of *Pesudomallada astur* eggs were distributed to the Chairman, Agriculture Advisory Board, West Godavari District Sri. Burugupalli Subbarao garu. In this Programme Dr. R.V.S.K. Reddy, Director of Research, Dr. B. Srinivasulu, Director of Extension, Dr. A. Sujatha, Dean of Student Affairs & Dean of PG Studies, Dr. B. V. K. Bhagawan, Zonal Research Head, Coastal Zone -I have participated as guests of honor and addressed the gathering. Dr. N. B. V. Chalapathi Rao, Principal Scientist (Ento.), Dr. P. Ramadevi, Principal Scientist (Path.) & Head, HRS, V. R. Gudem, Dr. E. Karunasree, Principal Scientist & Head, KVK, V. R. Gudem, Dr. P. Sunitha, Scientist (Ento.) and Sri. G. Shali Raju Scientist (Ento.) have participated and coordinated the programme organized in collaboration with Department of Horticulture.



Inauguration of the seven days STRY skill training programme on “Terrace Kitchen Gardening” was conducted on 22.09.2021 at KVK, Venkataramannagudem. The programme was inaugurated by Dr. T. Janakiram Vice-Chancellor in the august presence of Dr. B. Srinivasulu, Director of Extension, Dr. R. V. S. K. Reddy, Director of Research, Dr. A. Sujatha, Dean of Student Affairs & Dean of PG Studies,

Sri. B. Hari PD, ATMA. Fifteen trainees have participated to learn various techniques in kitchen gardening. The programme was held from 22.09.2021 to 28.09.2021.

On 24 September 2021, KVK, Venkataramannagudem conducted off campus training program on “Operations to be carried out for better yield in cashew. Explained about pruning, clean cultivation, application of 13-0-45 @ 10g per lit before flowering, during flowering and fruit development stage followed by IPDM practices in cashew. Later inputs i.e. Azospirillum and PSB distributed to the cashew farmers under technical program “ ICM in Cashew”. This program was coordinated by Dr. K. Venkata Subbaiah, Scientist (Horticulture), KVK, Venkataramannagudem. In this program more than 20 cashew farmers have participated.



On 22 September 2021, KVK, Periyavaram conducted training programme on “ICM Practices in Acid Lime” at Mandal Agriculture office Venkatagiri. Explained about important features of Dr.YSRHU released acid lime varieties, intercropping in young pre-bearing orchards, green manuring, application of manures and fertilizers, training and pruning, Integrated soil and water management, flower regulation practices for getting higher summer yield, IPM and Integrated dry root rot management and other cultivation practices to get higher yields. In this programme Agricultural officer, VAAs, VHAs and 30 farmers have participated. Dr. K Mallikarjunarao, Research associate (Horticulture) coordinated the programme.

On 23 September 2021, KVK, Periyavaram conducted on campus training programme on ICT and mobile applications in agriculture and allied sectors to the rural youth at KVK, Periyavaram, Venkatagiri Mandal. Enlightened about various mobile applications and their uses in agriculture, identification of pest and diseases, control measures and market related information. K Sravani, Research Associate (Agri. Extension) coordinated the programme.



On 23.09.2021, Dr. K Mallikarjunarao, Research associate (Horticulture), KVK, Periyavaram participated as resource person for “Mandal level AAB Members Training Programme” conducted at RBK, Balayapalle which was organized by Department of Agriculture, SPSR Nellore district. Enlightened about Improved cultivation practices in acid lime including IPM for getting good yields and clarified the queries raised by farmers. In this programme ADA, Agricultural officer, Horticultural officer, VAAs, VHAs and more than 30 farmers participated.

On 23.09.2021, Dr. K Mallikarjunarao, Research associate (Horticulture) KVK, Periyavaram attended as resource person for the Citrus farmers training programme which was organized by Department of Horticulture, SPSR Nellore district at RBK-Palur village, Sydapuram Mandal, SPSR Nellore District. Explained about pests and disease management in acid lime and clarified the doubts raised by citrus farmers. In this programme ADH, Horticulture officer, RBK staff, sarpanch and more than 25 citrus farmers participated.



On 24 September 2021 Dr.B.Vijayasree, Research Associate (Home Science) conducted Training Programme on Value addition of Millets to SHG women at KVK, Priyavaram. The participants are enlightened through AV aids on the significance of millets, its role in prevention of mal nutrition and promotion of nutritional security and health. The participants also created awareness on different varieties of millets available in upland area to promote and develop SHG women as entrepreneurs by utilizing the services of KVK for establishing units on millet-based products. Later trained on preparation of different value-added products with millets. In this programme KVK scientists Dr.K.Mallikarjunrao, RA (Horticulture) and K.Sravani, RA (Agricultural Extension) also participated.



On 28 September 2021, Dr. K Mallikarjunarao, Research associate (Horticulture), KVK, Periyavaram conducted On-campus training programme on “Integrated crop management in Brinjal and Chilli”. In this program discussed in detail regarding the importance of seed treatment, nursery technologies to get healthy seedlings, mulching, INM, use of growth regulators to increase fruit set, high yielding resistant and tolerant varieties/hybrids, Integrated Pest and Disease Management Technologies for sustainable vegetable production.

On 16 September 2021, Sri K.C.Bhanumurthy, Scientist (Horticulture) of KVK Pandirimamidi has attended as a resource person for awareness program on “Nutrition to Anganwadi workers” organised by CDPO, Maredumilli as a part of PoshanMaah -2021. Delivered a lecture on Nutritional importance, nutria gardening concepts to anganwadi workers of Maredumilli mandal. In this program, CDPO, Maredumilli, MEO, Maredumilli, and 89 anganwadi workers have participated.



From 21 to 23 September 2021, KVK, Pandirimamidi conducted three days skill training program on value addition in Palmyrah based on leaves under SCSP 2021. Dr. P. Lalitha Kameswari, Principal Scientist & Head, KVK, Pandirimamidi and Dr. K. Rajendra Prasad, Senior Scientist & Head, HRS, Pandirimamidi inaugurated the program. Hands on training on equipment required for preparation of articles, dyeing and decorative article preparation was carried out during the training program. Dr.Y.S.Naidu, DDM, NABARD participated as chief guest for valedictory session of the program and interacted with trainees and gave their views on utilization of available resources in the area. Smt. Padmalatha from SASS NGO, Smt. Chitra Nambi, Master trainer from Swadeshi Movement organisation, 15 SHG women and 10 rural youth have participated in the program. Dr.S.Adarsha, Scientist (Entomology) coordinated the program.

On 23 September 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta have conducted oncampus training programme on pest and disease management in blackgram, at KVK, Vonipenta. During the programme Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist & Head had interacted with farmers regarding blackgram crop production and explained the management of various Pests and Diseases in blackgram.



On 25 September 2021, Dr. V. Nagarjuna, Research Associate (Soil Science) and Dr. Srividya Rani N (Scientist and Head), KVK, Vonipenta conducted on campus training programme on Importance of application of bio-fertilizers in nutrient management in blackgram. The scientist explained the types of bio-fertilizers and importance in nutrient cycle and different methods of application and also conducted the method demonstration for black gram seed treatment with *Rhizobium* culture (200 gm culture treated with 8 kg seed).

Conducted one day awareness programme on Food processing Industries establishment under One District One Product (ODOP) programme at KVK, Venkataramanangudem on 22 September 2021. The programme was co-ordinated by Dr. E. Karuna Sree, Principal Scientist and Head. Sri. T.V. SubbaRao Deputy Director of Horticulture, West Godavari and staff from District Industries Center, West Godavari participated as resource persons and explained about the process of getting financial support for establishment of Food Processing units. The youth and women working in unorganized food processing sectors like fruit and vegetable processing, Apiary, Milk and milk products, millet processing etc. have participated.



Dr. B. Ramesh Babu, Senior Scientist (Horticulture), HRS, V.R.Gudem attended and gave training to the field staff of Department of Rural Development in the aspects of Horticultural plantation at O/o CRD, PVS Icon building, Tadepalli on 21.09.2021. On the occasion of Jagananna Pachatoranam scheme.

Live telecasted the program of Hon'ble Prime Minister

All the KVKs under Dr.YSRHU arranged the farmer scientist interaction on the aspects of new varieties, Best Management practices related to Horticulture and allied sectors on 28.09.2021. Live telecasted the program of Hon'ble Prime Minister to the participants.



Diagnostic Visits

Dr.Ch.Ruth, Professor (Pl. Path.), Dr. K. Swarajya Lakshmi, Professor (Hort.) and Dr. M. Ramaiah, Professor (Ento.), CoH, Anantharajupeta visited Sweet orange fields in Saraswathigardens H/O surapurajupalli village, on 25-09-2021 and identified the symptoms of leaf miner damage in the field of Sri. K. Karthik Raju. & suggested spraying of Fipronil@ 2ml/ L + Neem oil @ 3 ml/L. once



in a month. Observed fruit sucking moth damage and dropped fruits in the tree basins. Suggested field sanitation to the farmers and to install light traps in the garden to attract adult moths.



Dr. Ch. Ruth, Professor (Pl. Path.) and Dr. K. Arunodhayam, Asst. Professor (Plant Pathology), Coh, Anantharajupeta visited fields and observed twister blight and thrips incidence in onion and suggested spraying of Chlorothalonil@2g.per l. of water and Dimethoate @ 2ml. Per l. of water and panama wilt in banana in Bommavaram village of YSR Kadapa District on

29-09-2021. Suggested crop rotation and soil drenching with Carbendazim@1g. Per l. of water and application of Cartopthhydrochloride granules @40g.per plant.

Dr. K. Umamaheswara Rao, Senior Scientist (Hort.), CRS, Bapatla visited the crossandra fields on 21.09.2021 where Arka chenna variety is grown which was introduced from IIHR, Bangalore. The plants establishment is good at Kavurivaripalem of Chirala mandal and Bethapudi village of Bapatla mandal. Advised the farmers to apply the FYM along with *Paecilomyces lilacinus* against nematode problem. Plants are under vegetative phase.



Dr. K. Umamaheswara Rao, Senior Scientist (Hort.), CRS, Bapatla visited the cashew garden at Chakicherla Village of Ulavapadu mandal on 23 September 2021 of high density planting aged about 3 years. Advised the pruning practices to the farmers. The garden was planted at a spacing of 3.3m x 4.0m

Dr. K. Umamaheswara Rao, Senior Scientist (Hort.), visited the cashew plantation at Ramapuram (Vi), Chirala (Mn) on 25 September 2021 and advised the farmer to apply vermicompost 2 kg per plant along with 100g SSP and providing staking against winds.

On 20 September 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited tuberose field for diagnosis of pests and diseases at Obulapuram village of Mydukur mandal. Explained the cultivation practices, pest and disease management for getting higher flower yields.



Dr.C.N.Byanna, Principal, Dr.K.Mallikarjun, Horticulturist and Sri.M.Eswar Naik, Entomologist have visited Jamun orchard at Chintalavaripalli, Valmikipuram mandal on 27 September 2021. Interacted with farmer Sri.Pratap Reddy and discussed about cultivation practices to be followed for better growth and yield. Sri.M.Eswar Naik, Entomologist explained about insect pests and diseases and their management in Jamun orchards.



Dr. M. Tagore Naik, Senior Scientist (Hort.) and Dr. K.Anil Kumar, Research Associate (Ento.), HRS, Mahandni visited turmeric fields of adopted village Gajulapalli on 24-09-2021 and observed Spodoptera infestation and suggested foliar spray of Flubendiamide @ 0.4 ml/l (or) Emamectin Benzoate @ 0.4 g/l.

Smt. P. Sunitha, Scientist (Ento), HRS, V.R.Gudem conducted diagnostic field visit in coconut garden infested with rugose spiralling whitefly at Telikicherla on 28.09.2021. Mild infestation of RSW was observed and suggested the farmer to release the predator, *Apertochrysa astur* eggs @ 1000 / acre to keep the RSW infestation under check. Further advised the farmer not to spray any synthetic insecticides after release of predators in the orchard.



Dr.R.Rajyalakshmi, Principal Scientist (Hort.) and Dr. G.Sravanthi, Scientist (Entomology), Mango Research Station, Nuzvid visited Gulab cyclone effected chilli-fields and advised the farmers on immediate measures to be taken up followed by application of nutrients, pest & diseases management for improvement of yield at Musunuru on 28.9.2021 and Konijerla & Un-

gututru on 29 September 2021.

Dr.A.Devivaraprasad Reddy, Scientist KVK, Venkataramannagudem has visited the shirmp farms located at Pedanidroprolu village and observed the excessive feeding and suggested to reduce the feeding and maintain the water quality on 23 September 2021.



Dr.A.Devivaraprasad Reddy, Scientist KVK, Venkataramannagudem has diagnosed he fish brought by the farmers to the KVK and provided the inputs to the farmers for management of red disease on 25.09.2021.

On 29 September 2021, Dr. K. VenkataSubbaiah, Scientist (Horticulture), KVK, Venkataramannagudem went to ivy gourd field for diagnosis and suggested to remove weeds and application of fipronil @2ml per lit or Spinosad @ 0.25ml per lit at every 10 days interval for controlling sucking pests.



On 29 September 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram visited cluster bean field at Bangarupeta village of Venkatagiri mandal. Observed aphid infestation and suggested to spray acephate @2ml/l (or) fipronil @2ml/l and enlightened about the best management practices of Cluster bean.



On 16 September 2021, Dr.V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited acid lime fields for diagnosis of pests and diseases at Ponnampalli village of Mylavaram mandal. Observed citrus canker disease and suggested to go for pruning of badly infected twigs followed by spraying with Streptocycline @ 1g + Copper oxy chloride @ 30 g/ 10 lit at 20 days interval.

On 29 September 2021, Dr.B.Srinivasulu, Director of Extension visited turmeric FLD fields and interacted with the farmers and explained about fertilizer management and INM for better yields in turmeric. Observed the micro nutrient deficiency in turmeric field and suggested to spray micro nutrient mixture @ 2.5 g/l.



On 16 September 2021, Dr V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited chilli field for diagnosis of pests and diseases at Chinna Komarla village of Mylavaram mandal. Observed downward curling of leaves and suggested to spray Dicofal @ 0.5% to manage the mites.

On 18 September 2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta visited turmeric fields for diagnosis of pests and diseases at Madirepalli village of Duvvur mandal. Observed leaf spot disease in turmeric and recommended spraying of mancozeb @ 0.25% or chlorothalonil @ 0.25%.



On 27 September 2021, scientific staff of KVK, Vonipenta visited banana fields at Musalinayanapalli and T.Kothapalli villages of Mydukur mandal. Identified the dropping of banana bunch due to potassium deficiency and suggested the application of SOP @ 5gm/ lit for correcting the deficiency.

Front Line Demonstrations

On 30 September 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram visited brinjal field at Maratapalli village, Venkatagiri Mandal as part of FLD programme on “Demonstration of Integrated Crop Management Practices in Brinjal”. Explained about ICM Practices in brinjal and installed the pheromone traps and sticky traps for monitoring and mass trapping of pests.



On 22 September 2021, KVK, Pandirimamidi has provided critical inputs like straight fertilizers i.e. Urea, SSP and MoP to tribal farmers as part of frontline demonstration on Integrated Nutrient Management in Brinjal at Pothavaram village of Devipatnam mandal under TSP-2021-21 and explained about the advantages of using straight fertilizers over complex fertilizers with concern to soil health and crop nutrition and also explained about the 4R approach in fertilizer application (Right source, Right quantity, Right method and Right time) along with organic manures. P Raja Sekhar, Scientist (SS&AC) coordinated the programme.

On 25 September 2021, KVK, Pandirimamidi has provided fish fingerlings of Catla, Rohu, Mrigala fish types @ 12000 no.s (size of 4-5 inches) to tribal women farmers of 2 SHGs covering 3 community based fresh aqua ponds in Marrivada and I.Polavaram villages of Rampachodavaram mandal as part of frontline demonstration on Integrated Farming System in Tribal Area of East Godavari district under TSP-2021-22 and also observed the performance of poultry birds which were given earlier as one of the components of IFS. Dr. P. Lalitha Kameswari, Principal Scientist & Head and P Raja Sekhar, Scientist (SS&AC) supervised the programme.



On 23 September 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta, initiated Cluster Front line demonstration Project in blackgram. Dr. Srividya Rani.N, Scientist and Head had interacted with farmers regarding introduction of blackgram variety TBG-104 which is resistant to yellow mosaic virus and provided blackgram variety TBG-104 seed to Ganjikunta farmers.

On 29 September 2021, Dr. B. Srinivasulu, Director of Extension and KVK, Vonipenta scientific staff visited Rajasri poultry breeds under follow up visit on FLD: “Assessment on performance of Rajashree poultry breeds as dual purpose backyard poultry” at Ganjikunta village of Mydukur mandal. During the programme, KVK Scientific team identified the farmer for the development of hatchery unit with low budget and Director of Extension has given suggestions for establishment of hatchery unit with the help of KVK, Vonipenta at Nallapureddy Palli for local village people who were the beneficiaries of this FLD.



On 25 September 2021, Ms. K. Prasindhu, Research Associate (Plant Protection), Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta, initiated Cluster Front line demonstration Project in Blackgram. Ms. K. Prasindhu, Research Associate (Plant Protection), Dr. Srividya Rani.N, Scientist & Head interacted with farmers regarding introduction of blackgram variety TBG-104 which is resistant to yellow mosaic virus and provided blackgram variety, TBG-104 seed to Madirepalli farmers.



On 28 September 2021, Dr. S. Lavanya, Research Associate (Livestock production), KVK, Vonipenta visited Rajasri poultry breeds under FLD on “Assessment on performance of Rajashree poultry breeds as dual purpose backyard poultry” for follow up at Nallapureddy Palli village of Mydukur mandal.

On 28 September 2021, K. Prasindhu, Research Associate (Plant Protection), Dr. V. Nagarjuna, Research Associate, (Soil Science) and Dr. V. Yugandhar, Research Associate, (Horticulture), KVK, Vonipenta conducted follow up visit on FLD: Demonstration of Management of Dry root rot disease in sweet orange at Ganjikunta village of Mydukur Mandal. Scientists demonstrated the management of dry root rot disease following soil drenching with mancozeb @0.2% followed by basal application of *Trichoderma resei* @100g and *Pseudomonas fluorescence* @100g multiplied in neem cake @ 2 kg and FYM @ 25kg per plant.



On Farm Trials

On 18.09.2021, Dr. V. Yugandhar, Research Associate (Horticulture), KVK, Vonipenta provided Onion seeds of NHRDF Red-3 (L-652) and Arka Kalyan under OFT “Introduction of Onion variety “NHRDF Red-3 (L-652)” at Madirepalli village of Duvvur mandal.



On 29 September 2021, Dr. B. Srinivasulu, Director of Extension, K. Prasindhu, Research Associate (Plant Protection), Dr. Srividya Rani.N, Scientist & Head, KVK, Vonipenta conducted Follow up visit on OFT: Assessment of Management of root knot nematode in Guava at Bhumayapalle village of Mydukur Mandal. Scientists demonstrated the management of Root knot nematode by following inter cultivation of marigold followed by basal application of *Trichoderma viride* @100g and *Pseudomonas fluorescence* @100 g and *Paecilomyces lilacinus* @ 25 ml multiplied in FYM @ 2kg per plant. The Director of Extension, Dr. YSRHU suggested to collect data from the farmer, draw the comparative study from the data and to publish it as a success story.

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

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

Date	Topics
16.09.2021	కోకోలో కొమ్మ కత్తరింపు డా.ఎం.తిరుపతి రెడ్డి, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, విజయరాయి
17.09.2021	బొప్పాయిలో ఆధునిక సేద్య విధానాలు డా.వై.శరత్ కుమార్ రెడ్డి, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతరాజుపేట
18.09.2021	తీగజాతి కూరగాయల సాగులో పురుగుల యాజమాన్యం కె.వెంకట సుబ్బయ్య, శాస్త్రవేత్త, కె. వి. కె, వెంకటరామన్నగూడెం
20.09.2021	నిమ్మలో కాపు నియంత్రణ మరియు యాజమాన్య పద్ధతులు డా.సి.మధుమతి, ప్రధాన శాస్త్రవేత్త & హెడ్, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
21.09.2021	మునగ పంట సాగులో పాటించవలసిన మేలైన యాజమాన్య పద్ధతులు డా.ఎం.ముత్యాల నాయుడు, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, దర్శి
22.09.2021	క్యాబేజి మరియు కాలిఫ్లవర్ సాగులో మేలైన యాజమాన్య పద్ధతులు డా.వి.రమణ, ప్రిన్సిపాల్, ఎస్.ఎస్.పి.జి.ఉద్యాన పాలిటెక్నిక్, మడకశిర
23.09.2021	ధనియాల సాగులో మెళకువలు డా.వి.శివ కుమార్, శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, చింతపల్లి
24.09.2021	ఔషధ, సుగంధ పంటలలో సస్యరక్షణ డా.పి.రమాదేవి, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, వెంకటరామన్నగూడెం
25.09.2021	పసుపు పంటలో పురుగుల యాజమాన్యం డా.టి.నాగలక్ష్మి, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతరాజుపేట
27.09.2021	చీని, నిమ్మ తోటలలో పొలుసు పురుగుల నివారణ డా.శ్రీనివాస రెడ్డి, సీనియర్ శాస్త్రవేత్త, చీని, నిమ్మ పరిశోధన స్థానం, తిరుపతి
28.09.2021	టమాట, వంగ మరియు బెండలో ఎరువుల యాజమాన్యం డా.ఎం.జి.బాల హుస్సాని, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, మదనపల్లి
29.09.2021	ఆయిల్ పామ్ తోటలలో సమగ్ర పోషక మరియు నీటి యాజమాన్యం డా.పి.మాధవలత, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, విజయరాయి
30.09.2021	డ్రాగన్ ఫ్రూట్ సాగులో మెళకువలు శ్రీమతి బి.విమల, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతపురము

“Udyana Vani” programs under Farmers Advisory Cell of Dr YSRHU

Dr YSRHU-Farmers Advisory Cell organized the following “Udyana Vani” Programs during the second fortnight of September, 2021.

Date	Topics
16.09.2021	సపోటా సాగులో మెళకువలు
18.09.2021	జీడిమామిడి సాగులో మెళకువలు
20.09.2021	ఆధునిక పద్ధతిలో కూరగాయల సాగు; బెండ సాగులో మెళకువలు
21.09.2021	టమాట మరియు మిరప సాగులో మెళకువలు
22.09.2021	వంగ సాగులో మెళకువలు
23.09.2021	గ్రామీణ ప్రాంతాలలో మహిళలు మరియు పిల్లలలో పోషకాహార సమస్యలు - నివారణ
24.09.2021	సూక్ష్మ సాగు నీటి పద్ధతి
25.09.2021	జామ మరియు ఆయిల్ పామ్ సాగులో మెళకువలు
27.09.2021	చీని, నిమ్మ సాగులో మెళకువలు
28.09.2021	దానిమ్మ సాగులో మెళకువలు
29.09.2021	మిరప సాగులో మెళకువలు
30.09.2021	చిక్కుడు సాగులో మెళకువలు

Technical support to RBK Channel

Following Scientists of Dr YSRHU are deputed for recording technical content at Integrated Call Centre, Gannavaram through RBK Channel during the second fortnight of September, 2021.

Date	Topic	Scientist Name
17.09.2021	పసుపు పంట సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.K.Giridhar, Sr.Scientist (Hort.), HRS, Lam
20.09.2021	బొప్పాయి సాగులో పురుగులు, తెగుళ్ళ యాజమాన్యం	Dr.T.Nagalaskhmi, Scientist (Pl. Path.), HRS, Anantharajupeta
24.09.2021	బెండ పంట సాగులో పురుగులు, తెగుళ్ళ యాజమాన్య పద్ధతులు	Dr.T.Vijayalakshmi Sr. Scientist (Pl. Path.), HRS, Lam
27.09.2021	చామంతి సాగులో మేలైన యాజమాన్యం	Dr.A.V.D.Dorajeerao, Professor (Hort.), CoH, V.R.Gudem

General

Meetings

On 25 September 2021 Dr. N.B.V. Chalapathi Rao, Principal Scientist (Entomology) and Dr. V. Govardhan Rao, Scientist (Plant Pathology) attended the monthly review meeting of AICRP-Bio control and presented the bio control technical programmes implementation and progress at Horticultural Research Station, Ambajipeta through virtual mode.

Dr. B. Srinivasulu, Associate Dean, College of Horticulture, Anantharajupeta participated in Global Conference on “Innovative approaches for enhancing water productivity in Agril. Including Horticulture” from 16-19, September, 2021 at PJTSAU, Rajendra Nagar and presented a key note lecture.

Dr. V. V. Padmaja and Dr.K.Swarajya Lakshmi, CoH, Anantharajupeta participated in an online interaction program with Ms. RenukaVallarapu, organized by ANGRAU on 17 September 2021 for the benefit of students. An Alumini of ANGRAU, guided students to approach their studies in abroad as an MS or MS/PhD combined program with full scholarship. All the students of COH, Anantharajupeta were also involved in this program, to get awareness.

Dr.C.Sarada, Principal Scientist (Hort), Dr. K.Giridhar and Dr. B.Tanuja Priya, attended XXXII workshop (on-line) of AICRP on Spices from 22.9.2021 to 24.9.2021

Dr. K.Giridhar presented crop improvement programme of fenugreek under coordinated project in XXXII workshop (on-line) of AICRP on Spices on 23.9.2021.

Dr. A. Snehalatha Rani, Scientist (Plant Pathology) participated in International Symposium of Tropical Fruits 2021 organized by TFNet, Malaysia from 28th to 30th September, 2021 and presented an oral presentation on “Strategic management of Banana Eumusae leaf spot severity in Andhra Pradesh, India” on 29.09.21.

From 14.09.2021 to 18.09.2021 Dr.S.Adarsha, Scientist (Entomology) Krishi Vigyan Kendra, Pandirimamidi Participated in five days sericulture extension Trainers Training program held at Central Tasar research and training institute, Ranchi Sponsored by ICAR ATARI Zone X, Hyderabad.



On 24 September 2021, Dr. E. KarunaSree Principal Scientist & Head, KVK, Venkataramanangudem has been nominated by the university to participate in the Consultation Workshop on “Imparting Industry Specific Skills to AP Youth in the Agriculture and Allied Activities” organized by the APSSDC, Andhra Pradesh at Hotel Novatel, Vijayawada and presented the Skilling, UP-skilling and Emerging Skilling needs of Horticulture Sector and discussed the strengths of the university to impart skill trainings as per the Norms of the Agriculture Skill Council of India and APSSDC.

Dr.A.Sujatha, Dean of Student Affairs has participated in virtual meeting in online Off-campus Collaborative training programme on “Opportunities for Entrepreneurship Development for Women through Horticulture Sector” organized by KVK, Venkataramanangudem and has delivered a lecture on “Honey bee and Horticulture” on 17th September, 2021.



Dr. E. KarunaSree Principal Scientist and Head, KVK, Venkataramanangudem has participated in the District Level VanijyaUsthavam organized by the District Administration as a part of the AzadiKaAmruthMahosthav on 25th September, 2021 At GirijanBhavan, Near Collectorate, Eluru and displayed the Processed products of Millets, Honey, Fruits and Vegetables. Sri.Kartikeya Mishra IAS, Collector and District Magistrate, Eluru has interacted with the participants and appreciated about the products and encouraged to start commercial production



Scientists of Dr.YSRHU participated in Global Conference on Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture” which was held from 16 - 19th September, 2021 at PJTSAU, Rajendranagar, Hyderabad, Telangana and delivered oral presentations.

Scientist Name	Presented Topic
Dr. T. Naga Lakshmi, Senior. Scientist (Pl. Path.), HRS, Anantharajupeta	Management of Early blight, <i>Alternaria solani</i> (Ellis and Martin) and <i>Stemphylium</i> Leaf Spot, <i>Stemphylium botryosum</i> sp. <i>lycopersici</i>) Disease Complex in Tomato through New Generation Fungicides under Field Condition
Dr D. Sreedhar, Scientist (Horticulture), HRS, Anantharajupet	“Effect of different levels of pruning on the growth, quality and yield parameters of Guava (<i>Psidium guajava</i>)” and “Effect of micro nutrients on growth, flowering and vasselife of Gladiolus (<i>Gladiolus grandiflorus</i>) cv.Arka Amar”
Dr.K.Ravindra Kumar, Senior Scientist (Hort.)	Effect of Auxins on Concurrent ex vitro Rooting and Hardening (CEVRH) in Native Banana Cultivars of Andhra Pradesh
Dr.R. Naga Lakshmi, Senior Scientist (Hort.)	Studies on improving the postharvest life of banana cv. TellaChhakeraKeli using 1 MCP
Dr.C.Sarada, Principal Scientist (Hort)	Growth and yield performance of cowpea (<i>Vigna unguiculata L</i>) genotypes in vertisols of Andhra Pradesh
Dr. K. Venkata Subbaiah, Scientist (Horticulture), KVK, Venkataramannagudem	Impact of Front Line Demonstrations on Improved Cultivation Practices in IVY Gourd for Doubling of Income in Tribal Villages of West Godavari District of Andhra Pradesh

Visits

Sri. M. Chakrapani, along with a group of lemon growers from Eluru, W.G. District, Andhra Pradesh, visited PHTRS, V.R.Gudem on 17 September 2021. Dr. B.Babu Rao, Research Associate (Horticulture) explained about the scope and feasibility in establishment of moringa and acid lime based food processing unit at Eluru.



Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati inspected landscape works taken up by AP Urban greening corporation, Vijayawada at Srikalahasti, Chittoor – Dist. and Kavali, Nellore, Dist and submitted a report.



Publications

Omprasad J, Madhumathi C, Sadarunnisa, S, Priya, B.T., Jayaprada, M, Arunodhayam, K.2021. Evaluation of muskmelon (*Cucumis melo* L.) parents and hybrids for growth, yield and quality traits. *The Pharma Innovation Journal*. 10 (8): 1051-1055.

Omprasad J, Madhumathi C, Sadarunnisa, S, Priya, B.T., Jayaprada, M, Arunodhayam, K.2021. Heterosis for growth, yield and quality characters in muskmelon (*Cucumis melo* L.). *The Pharma Innovation Journal*. 10 (8): 1056-1063.

Sanju Thorat and Sravanthi Guntupalli, Damage of lemon butterfly *Papilio demoleus* (L.) on Bael, *Aegle marmelos* (L.) tree”, September, 2021 *Insect Environment* 24(3): 37-41

Vamshi Krishna S., Sivakumar V., Umajyothi K, Dorajeerao A.V.D. and Umakrishna K. 2021. Trait linkages among turmeric (*Curcuma longa* L.) genotypes for yield and its attributing characters. *Frontiers in Crop Improvement*. 9: 317-320

Dr. A. Snehalatha Rani, Scientist (Plant Pathology), HRS, Kovvur has participated in International Symposium of Tropical Fruits-2021 organized by TF-Net, Malaysia from 28th to 30th September, 2021 and presented an oral presentation on “Strategic management of Banana Eumusae leaf spot severity in Andhra Pradesh, India” on 29th September, 2021.

S. Surya Kumari, K. Giridhar*, B. TanujaPriya, N. HariprasadRao and C. Sarada. 2021. Foliar diseases management in Turmeric using tolerant lines, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:99.

L. Mukundalakhsmi¹, K. T. Venkataramana², R.V.S.K. Reddy³, T. Janakiram. 2021. Water Budgeting in Important Fruit Crops of Andhra Pradesh, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:37.

K. Giridhar, B. TanujaPriya, S. Surya Kumari, N. Hariprasad Rao and C. Sarada. 2021. LTS-2: A new High Yielding Turmeric Variety of Andhra Pradesh, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:59.

R. Naga Lakshmi, K. Mamatha, K. Ravindra Kumar, G. Ramanandam, A. Snehalatha Rani, Ch. S. Kishore Kumar and V.S.N. Deepika. 2021. Studies on improving the post harvest life of Banana cv. Tella Chakkeri Keli using 1 MCP, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:118

Ravindra Kumar K, Sushma C. R, Naga Lakshmi R, Ramanandam G, Mamatha K, Kishore Kumar Ch.S and Snehaltharani A. 2021. Effect of auxins on concurrent *ex vitro* rooting and hardening (CEVRH) in native banana cultivars of Andhra Pradesh, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:60

Dr.C.Sarada, A.Rajani, C.Venkata Ramana, T.Vijayalakshmi. 2021. Growth and Yield Performance of Cowpea (*Vigna Unguiculata* L.) Genotypes in Vertisols of AP, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:55

Sreedhar Devarakonda, Nagaraju R, Sharath Kumar Reddy Y. and Nagalakshmi T. 2021. Effect of different levels of pruning on growth, quality and Yield parameters of Guava (*Psidium guajava* L.), Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:37

Sreedhar Devarakonda, Nagaraju R., Sharath Kumar Reddy Y. and Nagalakshmi T. 2021. Effect of micronutrients (Zn, B and Fe) on growth, flowering and vase life of gladiolus (*Gladiolus grandiflorus*) cv, Arka Amar, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:93

Nagalakshmi T, Nagaraju R, Sreedhar Devarakonda and Sharath Kumar Reddy Y. 2021. Management of Early blight, *Alternaria solani* (Ellis and Martin) and Stemphylium leaf spot, *Stemphylium botryosum* f.sp. *lycopersici* disease complex in tomato through new generation fungicides under field condition, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:99

K. Venkata Subbaiah, G. Shali Raju, V. Sekhar, V. Deepthi, T. Vijaya Nirmala, A. Devivaraprasad Reddy, E. Karuna Sree, R. V. S. K. Reddy, B. Srinivasulu and J.V.Prasad. 2021. Impact of front line demonstrations on improved cultivation practices in Ivy gourd for doubling of income in tribal villages of West Godavari District of Andhra Pradesh, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:119

E. KarunaSree, V. Deepthi, A. Devivaraprasad Reddy, K. Venkata Subbaiah, G. Shali Raju, T. Vijaya Nirmala, B. Srinivasulu, R.V.S.K.Reddy and J.V.Prasad. 2021. Terrace kitchen gardening for nutritional security in rural and peri urban areas of West Godavari District of Andhra Pradesh, Global Conference on *Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture*, 16-19th September, 2021, PJTSAU, Hyderabad. pp:120

CHAI Awards

Dr.T.Janakiram, Vice-Chancellor, Dr.YSRHU received “**CHAI ACHIEVERS’ Award-2021**” for outstanding excellence in career and providing leadership of par excellence.



Dr.R.V.S.K.Reddy, Director of Research, Dr.YSRHU received **“Fellow of CHAI Award-2021”** for his contributions to research & education and commitment to the furtherance of horticulture.

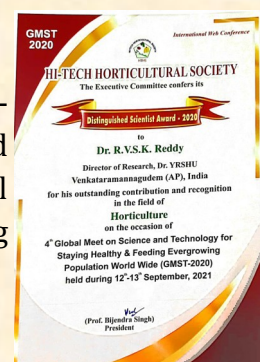


Distinguished Scientist Awards-2020



Dr.B.Srinivasulu, Director of Extension received **“Distinguished Scientist Award-2020”** for his outstanding contribution and recognition in the field of Plant Pathology by Society for Recent Development in Agriculture on the occasion of 4th Global Meet on Science & Technology for Staying Healthy & Feeding Ever Growing Population World Wide (GMST-2020) held during 12-13 September, 2021.

Dr.RV.S.K.Reddy, Director of Research, Dr.YSRHU received **“Distinguished Scientist Award-2020”** for his outstanding contribution and recognition in the field of Horticulture by Hi-tech Horticultural Society on the occasion of 4th Global Meet on Science & Technology for Staying Healthy & Feeding Ever Growing Population World Wide (GMST-2020) held during 12-13 September, 2021.



AWARDS



Dr.K.Ravindra Kumar, Senior Scientist (Hort.), HRS, Kovvur and Dr. L. Mukunda Lakshmi, Senior Scientist (Horti.), CRS, Tirupati received best oral presentation awards 18th September 2021 in **“Global conference on Innovative approaches for enhancing water productivity in Agriculture including Horticulture”** held at PJTSAU, Hyderabad from 16-19th September, 2021.



Krishna Foundation, Mumbai has appreciated the NSS teams of Dr.YSRHU as frontline warriors, who have come forward in these testing times and have been constantly at the forefront to help society by organizing NSS activities and felicitated Dr.A.Sujatha, Dean of Student Affairs & NSS Programme Coordinator, Dr.YSRHU with **“NSS NETRUTVA AWARD”** as Programme Coordinator at University level and Dr.R.V.Sujatha, & Dr.M.Jaya Prada, got **“NSS KARAMVEER AWARD”** as Programme Officers to NSS Units of COH, V.R.Gudem & COH, A.R.Peta on the occasion of NSS Day on 24th September, 2021.

Udyana Ratna Awards – 2021

Udyana Ratna Award – 2021 was received by the following farmers for adoption of latest technologies of Dr.YSRHU at International Conference on “Innovative Approaches for Enhancing Water Productivity in Agriculture including Horticulture” held on 16-19 September, 2021 at PJTSAU, Hyderabad.

- Smt.Madakam Venkayamma – KVK, V.R.Gudem
- Sri.Kathula Somireddy – KVK, Pandirimamidi
- Sri.Katta Bala Subramanyam– KVK, Periyavaram
- Sri.T.Bala Narasimha Reddy – KVK, Vonipenta
- Sri.Kauvuri Venkata Ramana– HRS, Peddapuram



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Dr R.V.S.K.Reddy, Director of Research

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