

Dr YSRHU e-Newsletter

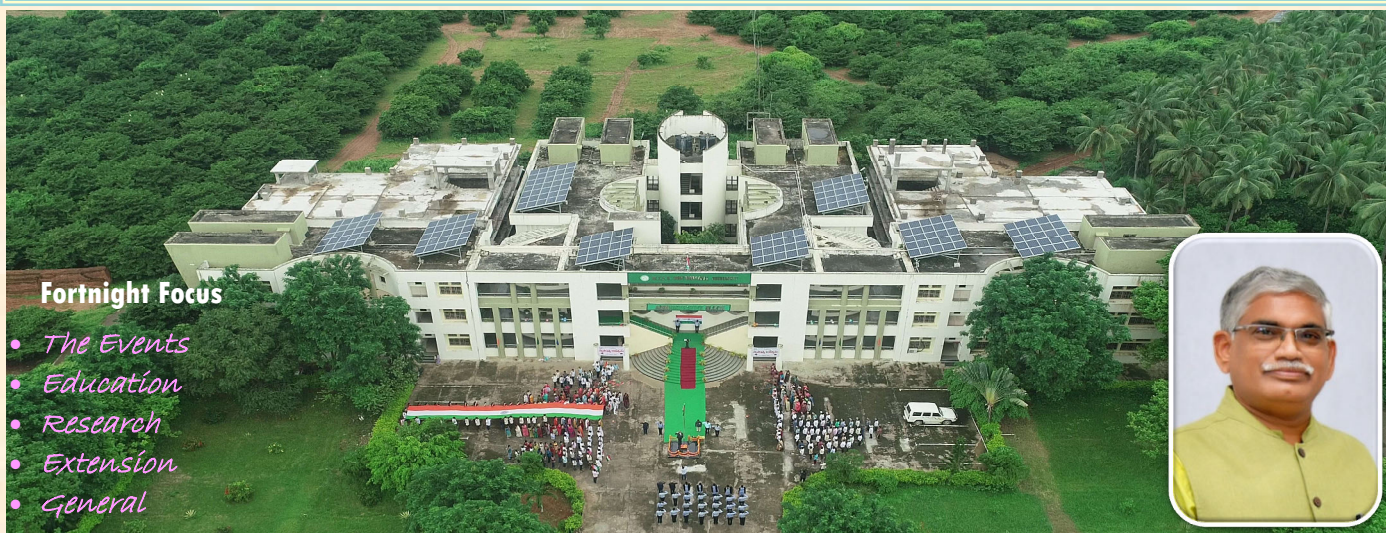
Fortnightly e-Newsletter of Dr Y.S.R.Horticultural University



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Dr YSRHU e-Newsletter

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Fortnight Focus

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From Vice- Chancellor's Desk

Tuber crops have been pivotal throughout history, offering sustenance during food crises. In contemporary times, their importance remains, particularly for indigenous populations and those residing in tribal areas. Andhra Pradesh, with its diverse agro-climatic conditions, stands as the second-largest horticulture crops producer in India, encompassing an area of 17.84 lakh hectares. Among these crops, tubers, covering 20,798.46 hectares, play a considerable role. While progress has been made in tuber crop management technologies, the challenges persist. Constraints include the lack of diversified uses, an inadequate marketing system, insufficient disease-free planting material, and inadequate seed storage facilities. Addressing these issues and focusing on value addition and post-harvest technology are crucial for the holistic development of tuber crops.

The major tuber crops cultivated in Andhra Pradesh include elephant foot yam, cassava, sweet potato, taro, and greater yam. Dr. Y.S.R. Horticultural University (Dr.YSRHU) has significantly advanced in tuber crop cultivation in Andhra Pradesh. The pioneering research has introduced high-yielding and disease-resistant varieties, such as Gajendra for elephant foot yam, PDP CMR-1 and Dr.YSRHU-Aditya for cassava, , Bhavapuri and Godavari Chema for taro, Dr.YSRHU-Arunima for sweet potato and DrYSRHU-Sabari for greater yam. These varieties have not only increased productivity but also improved economic viability, ensuring farmer satisfaction and meeting market demands.

The consistent release of high-yielding, disease-resistant varieties by Dr.YSRHU has not only addressed the challenges faced by farmers but has also played a crucial role in elevating the status of tuber crops in the agricultural landscape of Andhra Pradesh. These contributions reflect the university's dedication for advancing package of practices and ensuring food security in this region.

Dr T.Janakiram
Vice-Chancellor

The Events

Events

Gandhi Jayanthi

The birth anniversary of Mahatma Mohan Das Karamchand Gandhi was celebrated in all the forty four institutions of Dr. YSRHU with special campaign on Swatchatha Hi Seva on 02.10.2023. At the Administrative office, Dr. T. Janakiram Vice-chancellor in the presence of the university officers, staff and students paid floral tribute to Mahatma and also emphasised on the cleanliness as next to Godliness.



Education

On 10-07-2023, guest lecture was organized by Dr.YSRHU - College Of Horticulture- Anantharajupeta on the topic "Studying abroad MS or MS/PhD combined program with full scholarship and career opportunities for Horticulture Graduates in Abroad" by Ms. Renuka Vallarapu, Senior Management Analyst in public sector, Seattle, USA.

Amrith Kalash Yatra - Meri Mati Mera Desh

Dr.YSRHU-College of Horticulture, Anantharajupeta organised "Amrith KalashYatra - Meri Mati Mera Desh" campaign. As a part of this, took Panch Pran pledge to create awareness on importance of soil.



Practical training on preparation of potting mixture to the Diploma in Horticulture students for raising of Horticulture Nursery at HPT, Kalikiri was observed on 10-10-2023 by Dr. Byanna, Principal, HPT, Kalikiri.

Guest lecture and demonstration on "Usage of Bio Fertilizers in Horticultural crops" was organized to Horticulture Diploma students of HPT, Kalikiri on 13-10-2023 by Dr.M.Ravindra Reddy, Scientist (Micro Biology), RARS, Tirupati at HPT, Kalikiri.



Amrith Kalash yatra-Panch Pran Pledge conducted under Mera Matti Mera Desh campaign on 13-10-2023 at HPT, Kalikiri by the NSS Volunteers.

On 13.10.2023 "Amrith Kalash Yatra" was conducted by SFU, NSS UNIT, College of Horticulture, Chinalataripi as a part of Meri Mati Mera Desh Campaign. NSS volunteers actively participated in the programme and planted a sapling with the soil of Amrith Kalasha. Finally the programme was ended with 'Panch Pran Pledge'. Dr. S.S. Vijaya Padma, Associate Dean, all the teaching and non-teaching staff participated in the programme. NSS Officer Dr. Y. Yohan, co-ordinated the programme.



As a part of "Meri Mathi Meri Desh" Amrit Kalash yatra was conducted on 13.10.2023 in campus premises by NSS volunteers of COH, Parvathipuram. Dr. B. Prasanna Kumar, Associate Dean (Hort.), Teaching staff and students participated in the programme.

One day campus cleanliness campaign has been organized in the college on 7th October 2023 (Saturday) by the NSS unit of SKCHS college, Anantapuramu.



03.10.2023, as part of Fit-India Run Yoga-aasanalu were practiced by the students, Horticultural Polytechnic, Nuzvid.

On 11.10.2023, Amrit kalash Yatra under Meri Maati Mera Desh campaign was organised by NSS Volunteers and staff, HPT, Nuzvid



Extension

Cleanliness drive and Shramadan program as part of Swachhata Hi Seva Program:

On 01-10-2023, Dr.B.Govinda Rajulu, Principal Scientist & Head and Dr.B.Vijayasree, Scientist (Home science), Dr.YSRHU- KVK, Nellore 2 (Pariyavaram) conducted Swachhata Hi Seva Program - 2023 with the theme "Garbage free India" in collaboration with Department of Railways of Venkatagiri at Railway station premises, Venkatagiri, Tirupati District. The activities carried out were namely, Cleanliness drive and Shramadan program at Railway station & Railway park of Venkatagiri along with Railway staff & Safai Mithras. In the programme, all the scientific staff of KVK, Pariyavaram, Station Manager, Railway employees and Safai Mithras of Railway Dept.of Venkatagiri participated.



Training Programmes Organized

Training programme on Nursery raising in Mango, Tamarind, Jamun and Moringa conducted to Horticulture Diploma students on 09-10-2023 at Horticulture Polytechnic, Kalikiri.



On 10.10.2023, Dr. A.Devivaraprasad Reddy, Scientist, Dr.YSRHU-KVK, VR Gudem conducted one day training program on the 'Better Management Practices in aqua-culture' to the students of Chintalapudi Degree College, affiliated with Adikavi Nannaya University in Ganapavaram. In the training program, students were educated with the knowledge of sustainable aquaculture practices.

On 06.10.2023 a training program was conducted on National Nutrition Week (Poshan Maah) at Sankati Thimmaiah Palli village, Duvvur mandal, YSR district. The programme was organized by KVK, Vonipenta and Reliance Foundation. The session was conducted by Dr. B.S.Kanthi Sri, Scientist (Home Sc.). The session was chaired by Dr. N. Srividya Rani, Scientist and Head, KVK Vonipenta. Scientist explained about the importance of balanced nutrition for different age grouped people. Also explained about raising nutri-garden for maintaining of balanced diet and distributed nutri-garden kits to rural women. Mr. G.Ameer, Representative from Reliance Foundation and Mrs. L.Swarnalatha, AWW also participated in the session.



Training Programmes Participated

Smt. T.Vijaya Lakshmi, Senior Scientist (Path) and Dr.J.Phani Kumar, Scientist (Hort), HRS, Lam, attended farmers training programme on 'Chilli production technology' organized by Department of Horticulture, at Kanumuru on 6-10-2023.

On 04.10.2023, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU - KrishiVigyan Kendra, Venkataramannagudem attended the orientation programme on implementation of UBA (Unnat Bharat Abhiyan) as resource person and addressed on "Organic farming and waste management in the villages" at Sasi Institute of Technology & Engineering, Kadakatla, TadepalliGudem.



On 11.10.2023, Smt. I.Rajeevana, Scientist (Soil Science) conducted method demonstration on mass multiplication of Trichoderma at farmer's field. Scientists and farmers participated, in the programme.

VC to Village Programme:

Dr. G. Narasimha Murthy, Prof. (Hort.), Dr. B.V.G. Prasad, Asst. Prof. (Hort.), Dr. B. Sujatha, Asst. Prof.(Ento), Mrs. Jhansirani, Asst. Prof. (Plant Path.), CoH, Parvathipuram, visited banana and coconut and oil palm plantations in adopted village as a part of Vice-Chancellor to Village programme on 05.10.2023 and gave recommendations to farmers.



Dr. L. Mukunda Lakshmi, Principal Scientist (Hort), Dr.D.Srinivas Reddy, Senior Scientist (Ento.) and Dr.V.Gopi, Technical Assistant, CRS, Tirupati visited Gangudupalli - adopted village under VC to Village programme on 11/10/2023 and noticed black sooty mold, algal growth on mango trunk and branches and *diplodia* gummosis and suggested remedial measures.

On 11.10.2023, Dr. N.B.V. Chalapathi Rao, Principal Scientist & Head and Dr. V.Anoosha, Scientist (Entomology), Dr.YSRHU-HRS, Ambajipeta proceeded to ZPHS secondary school at adopted village Vanapalli of Dr. BR Ambedkar Konaseema district and interacted with 9th standard students on the topics of importance of Horticulture and allied aspects. Sri K. Satyanarayana, Head master and other teachers also participated.



Scientists of Dr.YSRHU- HRS, Kovvur visited Pasivedala village the adopted village under VC to Village programme on 7th October and identified viral infestation and nutrient deficiency symptoms in tissue culture Grand Naine banana plantations. Recommended suitable control measures for nutrient deficiency symptoms and interacted with farmers on fertilizer management.



getting higher yields.

On 12-10-2023 Dr B.V.K. Bhagavan principal scientist (Hort.) visited Palavalasa village under VC to Village programme and conducted a meeting with the farmers who are growing organic vegetables in the village. Advised them regarding the management practices and also application of micro nutrients for getting higher yields.

Scientists of HRS, V.R.Gudem visited Kadiyadda as a part of the VC to Village program on 14.10.2023. A method demonstration on the multiplication of two bioagents, *Trichoderma viridi* and *Pseudomonas fluorescence*, at the field level for the management of several diseases in guava and cocoa crops was carried out by Dr. T. Naga Lakshmi, Senior Scientist (Pl. Pathology). Later, Dr. P. Sunitha, Senior Scientist (Ento), explained about how bioagents work to control nematodes in guava orchards. During the interactions with cocoa farmers, Dr. P. Ashok, Principal Scientist (Hort.) & Head and Dr.B. Ramesh Babu, Principal Scientist (Hort.), discussed agronomic and cultural techniques that should be followed in intercrop cocoa to control the flower and immature fruit drop. Dr. T.Thomson, Scientist (Hort) and Dr. N.V.Gowtham Deekshitulu, Scientist (Ag. Eng.) advised guava farmers to apply fertilizers on need basis in drip irrigation to prevent the immature fruit drop. In addition, farmers were educated about preparation of Bordeaux solution and its application.



Dr. G. Sravanthi Scientist (Ento.), Dr. YSRHU- Mango Research Station, Nuzvid conducted VC to Village programme at Pothireddypalli RBK on 11.10.2023. fifteen farmers participated & raised doubts regarding mango, vegetables & oil plam.

On 09.10.2023, under VC to Village Programme, Dr.P.Vijaya Lakshmi, Principal, Dr. Kanchana, Teaching Associate along with students visited Kitchen Garden Raised by Mrs. Rangamma in the Adopted village. Bottle gourd, brinjal and chilli plants were at flowering stage. Sucking pests (Aphids and White fly) were observed on tender leaves and shoots. Suggested to spray NSKE-10,000 ppm @ 5 ml/lit at 15 days interval during cool hours of the day.



On 07.10.2023, Dr. A.Devivaraparasad Reddy, Scientist (Fisheries), Mr. G.Shali Raju, Scientist (Entomology) and Dr M.Raghavendra Reddy, Scientist (SS&AC), Dr. YSRHU – Krishi Vigyan Kendra, Venkataramannagudem organized the focused group meeting on animal health and use of Agricultural drones for spraying in Buttayigudem village, D. Tirumala mandal, Eluru district as part of Vice



Chancellor to Village programme. During the survey of livestock in Narayanapuram, shared information regarding the critical aspects of livestock management, and proper feeding practices. Furthermore, the dissemination of informative videos was facilitated through the utilization of the Dr. YSRHU mobile digital extensionservices vehicle, enhancing knowledge within the community. Conducted a transact walk in the village along with farmers to identify the demographic and social conditions in the village.

Swachhta Pakhwada



On 06.10.2023, Swachhta Pakhwada was conducted at Angawadi centre of Sangati Thimmaiah Palli by Krishi Vigyan Kendra, Vonipenta. Dr. Srividya Rani N, Scientist(Ag. Extn.) and Head, Dr. M. Harshitha, Scientist (SSAC), Dr. B.S. Kanthi sri, Scientist (Home science) and Dr.S.Lavanya RA (AH) participated along with the women in cleaning of premises, removing Parthenium weeds in front of the Anganwadi centre

and interacted with the women and explained them about the importance of Swachhta Pakhwada.

Cleanliness drive and Shramadan program as part of Swachhata Hi Seva Program:

On 01-10-2023Dr. B.Govinda Rajulu, Principal Scientist & Head and Dr.B.Vijayasree, Scientist (Home science) Dr.YSRHU- KVK, Nellore 2 (Pariyavaram) conducted Swachhata Hi Seva Program - 2023 with the theme "Garbage free India" in collaboration with Department of Railways of Venkatagiri at Railway station premises, Venkatagiri, Tirupati District. The activities carried out were viz., Cleanliness drive and Shramadan program at Railway station & Railway park of Venkatagiri along with Railway staff & Safai Mithras. In this programme all the Scientific staff of KVK, Pariyavaram, Station Manager, Railway employees and Safai Mithras of Railway Dept.of Venkatagiri participated.



Diagnostic Visits



Dr.E.K.Naik, Scientist (Horticulture), CRS, Petlur conducted field visit on 04-10-2023 to Sunkarapalli village, Venkatagiri mandal and identified problems like root rot, twig blight in acid lime and recommended to use biofertilizer like Trichoderma, Pseudomonas, Azospirillum, PSB and KSB regularly as per the recommendation.

Dr. T. Rajasekharam Sr. Scientist (Pl Patho) and Dr L. Ranjit Kumar, Scientist (Ento.) of CRS, Petlur along with the staff of KVK Pariyavaram conducted a diagnostic field visit on 10-10-2023in Pallipadu, Mannuru and Yachavaram villages, Balayapalli mandal, Tirupati District. Identified mites, thrips, scales, dry root rot, ganoderma, root rot and citrus canker incidence in acid lime orchards and suggested suitable control measures.



Dr. M. Tagore Naik, Principal Scientist (Hort.) & Head, Dr. YSRHU-HRS, Mahanandi conducted diagnostic field visit at Bukkapuram (V), Mahanandi (M) Banana farmers on 10-10-2023 and observed the sigatoka leaf spot in Banana and suggested to give foliar spray with Propiconazole @ 1 ml/l + Mineral oil 10 ml/l against sigatoka leaf spot.



Dr. T. Rajasekharam, Sr Scientist (Pl. Path) and Dr. L. Ranjit Kumar, Scientist (Ento.) conducted survey on 13-10-2023 in Rapur, Sydadulapalli, Velugonu, Pangili villages of Rapur Mandal and Marlapudi village in Syadapuram Mandal. Green mite, Psyalla, Twig blight incidences were observed and suggested control measures.

On 12.10.2023, Dr. G.Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta visited banana field for diagnosis of pests and diseases at Gangarajupodu village of Rly Kodur mandal. During the visit, scientist observed sigatoka leaf spot disease and suggested to removal and destruction of severely infected leaves followed by spraying of propiconazole @ 0.1% + mineral oil @ 1% followed by trifloxystrobin + tebuconazole @ 0.14% + mineral oil @ 1% thrice at 15 days interval.



On 12.10.2023, Dr. G.Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta visited Turmeric field for diagnosis of pests and diseases at Gangarajupodu village of Rly. Kodur mandal. During the visit, Scientist observed rhizome rot disease and suggested soil drenching with copper oxy chloride @ 3g/l followed by Ridomil @ 2.5g/l at 5 days interval in and around the diseased plants and also suggested to apply FYM fortified with *Trichoderma* sp.

Dr. Ch.S.Kishore Kumar, Senior Scientist (PP), AICRP on Nematodes conducted a field diagnostic visit to Kothapatnam and other nearby villages in Ongole, Podalakur, Aluru and Nellore districts from 3.10.2023 to 5.10.2023 and observed the incidence of plant parasitic nematodes in *colocasia* and citrus.



Smt. T.Vijaya Lakshmi, Senior Scientist (Path) and Dr.J.Phani Kumar, Scientist (Hort.), HRS, Lam conducted diagnostic field visit in chilli growing areas in Ramachandrapuram village of A. Konduru mandal, Vinna-gadapa, Anumalanka and Kanumuru villages of Gampalagudem mandal in NTR District on 6-10-2023 along with the officers of Dept of Horticulture.

Dr. K. Radha Rani, P.S (Hort.), MRS, Nuzvid conducted diagnostic field visit to mango orchards at Chandarla, Ganapavaram, Vellaturu on 12.10.2023 and observed Poor management of mango orchard and suggested clean cultivation by removing weeds, dead and dried branches of mango trees to reduce the pest and disease incidence. Further, advised to apply recommended dose of manures and fertilizers to get high yields.



On 03.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta made a diagnostic field visit to Acid Lime at Kudali Village of Khajipeta Mandal. The scientist observed gummosis and leaf miner in acid lime orchards. The scientist suggested the farmer to drench the soil with Blitox @ 5.0 g per litre + Bavistin @ 2.0 g per litre + *Trichoderma viride* @ 4.0 ml per litre + *Pseudomonas* @ 4.0 ml per litre. For citrus leaf miner, it was suggested to spray Profenophos @ 2.0 ml per litre.



On 06.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta made a diagnostic field visit to chilli and observed thrips and virus infestation in chilli crop at Lingaladinne village in B. Matam Mandal. The scientist suggested the farmer to uproot and destroy the virus infested plants and to spray Neem oil @ 5.0 ml per litre + Acephate @ 2.0 grams per litre to control thrips infestation.

On 16.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted diagnostic field visit to chilli at Lingaladinnepalli village in B. Matam mandal. The scientist observed thrips and virus infestation in chilli and suggested the farmer to spray Acephate @ 2.0 grams per litre and to uproot and discard virus infested plants.



On 16.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted diagnostic field visit to Sweet orange at Lingaladinnepalli village in B. Matam mandal. The scientist observed gummosis and leaf miner in Sweet orange and suggested the farmer to drench the soil with Bavistin @ 2.0 grams per litre and Copper Oxychloride @ 5.0 grams per litre to control gummosis whereas, to control leaf miner, it was suggested to spray Profenophos @ 2.0 ml per litre.

On 10th October 2023, Dr.D. Thirupal, Scientist (Horticulture) Dr.YSRHU-KVK Periyavaram conducted a diagnostic filed visit to Acid lime orchards at Pallipadu (VC to Village), Mannur and Yachavaram villages, Balayapalli mandal, Tirupati District. Dr. L. Ranjith Kumar, Scientist (Entomology), CRS, Petlur;Dr. T. Rajasekharam, Scientist (Pathology), CRS, Petlur; P. Shirisha, AO (Balayapalli) and P. Shirisha, AO (Balayapalli) participated. Identified different pests & diseases and nutritional deficiencies in Acid lime i.e., Pests: a) Mites b) thrips c) Leaf eating caterpillars; Diseases: a) Dry Root rot b) Ganoderma root rot c) Citrus canker; Nutritional deficiencies: Fe, Zn and Boron etc. Suggested suitable control measures and created awareness on Integrated Crop Management (ICM) practices as well as integrated fertilizers management in Acid lime. Smt. I. Rajeevana, Scientist (SS&AC), KVK, Periyavaram demonstrated *Trichodemarma viride* culture multiplication process at farmers field Mr. M. Narasaiah, VHA, Balayapalli, K. Kalyan Reddy, Pallipadu Sarpanch and Farmers participated.



On Farm Trials

On 04-10-2023, Dr. M. Harsitha, Scientist (SSAC) initiated OFT on 'Assessing the performance of new Groundnut variety Kadiri Lepakshi (K-1812) and Nitya Haritha (TCGS-1157)' at KVK, Vonipenta. As a part of this, Groundnut variety Kadiri Lepakshi (K-1812) and Nitya Haritha (TCGS-1157) pods were provided to the farmers at KVK, Vonipenta. Dr. N. Srividya Rani, Scientist and Head and farmers from Madirepalli village of Duvvuru mandal participated in the programme.



On 04-10-2023, Dr. M. Harsitha, Scientist (SSAC) initiated OFT on 'Assessing the performance of high yielding Bengalgram variety NBeG-776 and NBeG-452' at KVK, Vonipenta. As a part of this, Bengalgram varieties NBeG-776 and NBeG-452 seed provided to the farmers at KVK, Vonipenta. Dr. N. Srividya Rani, Scientist and Head, Shri. Venkataratnam, FPO, B. Matam and farmers from Palugurallapalli participated in the programme.

gramme.

On 04-10-2023, Dr. M. Harsitha, Scientist (SSAC) initiated OFT on 'Assessment of Natural farming methods in Paddy' at Machugaripalli, Somireddypalli and Yeddulayapalli villages of B. Matam mandal. As a part of this scientists visited the farmer's field and provided the bio fertilizers (*Azospirillum*, *Trichoderma viride*, *PSB* and Plant growth promoting *Rhizobacter*) to the farmers and suggested to use bio-fertilizers either through drip irrigation or by foliar spray.



On 06.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted follow up visit to OFT 'Assessment of Integrated Pest and Disease Management in Brinjal' at Mudireddypalli Tanda, Mydukur Mandal. The scientist observed fruit and shoot borer in brinjal and suggested the farmer to spray profenophos @ 2.0 ml per litre and to install pheromone traps. The crop is in flowering and fruit set stage.

er and fruit set stage.

On 12-10-2023, Dr. M. Harsitha, Scientist (SSAC) initiated 'OFT on assessing the performance of high yielding Bengalgram variety NBeG-776 and NBeG-452' at KVK, Vonipenta. As a part of this, Bengalgram varieties NBeG-776 and NBeG-452 seed provided to the SC farmers of Chinnacheppali village of Kamalapuram mandal at KVK, Vonipenta. Dr. N. Srividya Rani, Scientist and Head and farmers from Chinnacheppali village participated in the programme.



On 03.10.2023 Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) visited demonstration plots of Cowpea (Co-9) as leguminous fodder at Maratapalli Village, Venkatagiri Mandal, Tirupati Dist. Crop is at vegetative stage (30 DAS).

Front Line Demonstrations

On 04.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), Krishi Vigyan Kendra, Vonipenta made a follow up visit to FLD Demonstration on regulation of flowering in Acid Lime for increasing the yield at Kudali Village in Khajipeta Mandal. As a part of FLD, the scientist supplied potassium nitrate and cycocel to the farmer.



On 05-10-2023, Dr. S. Lavanya, Research Associate (Livestock production), Krishi Vigyan Kendra, Vonipenta initiated Front line demonstration on Feed supplementation of Urea Molasses Mineral Blocks (UMMB) in Dairy animals at Yeddulayapalli village of B. Matam Mandal. Urea molasses mineral block is prepared by mixing urea, molasses, mineral mixture and other ingredients in a suitable proportion. It is a readily available source of energy, protein and minerals for the dairy animal.

On 06-10-2023, Dr. S. Lavanya, RA (Livestock Production) from KVK, Vonipenta conducted follow up visit on Feed supplementation of Bypass Fat in Dairy animals at Madirepalli village of Duvvur mandal. Bypass Fat for buffalo helps to increase milk yield & fat percentage in milk. Farmers said that there was significant improvement in milk fat percent due to feeding of bypass fat and satisfied with supplementation. Dr. N. Srividya Rani, Scientist and Head and dairy farmers were participated in the programme.



On 06.10.2023, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta made a follow up visit to FLD Demonstration on regulation of flowering in pomegranate for increasing the yield and quality at Lingaladinnepalli village in B. Matam Mandal. The scientist observed the pomegranate crop is in flowering and fruiting stage and suggested the farmer to spray boron @ 5.0 gram per litre for improving the quality of the fruit.

On 11-10-2023, Dr YSRHU-KVK, Venkataramannagudem conducted field day at Venkataramannagudem village of Tadepalligudemmandal on ongoing FLD "Demonstration on Ridge gourd variety ArkaPrasanna" and later visited ridge gourd field at Telikicherla village of Nallajerlamandal. The programme was coordinated by Dr. K. VenkataSatishKuchi, Scientist (Horticulture) and Dr. K. Venkata Subbaiah, Scientist (Horticulture).



OFT on Assessment of different drying methods for preparation of Papaya Fruit Candies:



On 09-10-2023, Dr. B. Vijayasree, Scientist (Home science) Dr. YSRHU-KVK Nellore 2 (Periyavaram) conducted OFT on "Assessment of different drying methods for preparation of Papaya Fruit Candies" by using Solar dryer & Electric tray dryer at KVK, Periyavaram, Venkatagiri mandal, Tirupati District. In this programme beneficiary women and Z.P. High School children who visited KVK, Periyavaram for 'Udyana Sandarsana' also got exposure of these technologies of dehydration of fruits.

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 October, 2023 (3-4 PM).

Date	Topics	Scientist Name
03.10.2023	అపరాలు మరియు నూనె గింజల పంటలలో సమగ్ర పోషక యాజమాన్యం	Dr.M.Harshita, Scientist, KVK, Vonipenta
04.10.2023	మునగ సాగులో మేలైన యాజమాన్య పద్ధతులు	Dr.C.N.Byanna, Principal, HPT, Kalikiri
05.10.2023	దానిమ్మ సాగులో సమగ్ర యాజమాన్య పద్ధతులు	Dr.K.Subramanyam Principal Scientist, HRS, Anatapuramu
06.10.2023	పసుపులో పురుగులు మరియు తెగుళ్ళ యాజమాన్యం	Smt.Ch.Bindhu Scientist, HRS, Chintapalli
07.10.2023	బీరలో సమగ్ర సస్యరక్షణ పద్ధతులు	Dr.L.Ranjith Kumar, Scientist, CRS, Petlur
09.10.2023	అరటిలో సూక్ష్మ ధాతువుల ఆవశ్యకత, లోపాలు, నివారణ	Dr.T. Susila, Senior Scientist & Head, BRS, Pulivendula
10.10.2023	రబీ ఉల్లి సాగుకు అనువైన రకాలు మరియు నారుమడి యాజమాన్యం	Dr. M. Tagor Naik, Sr. Scientist, HRS, Mahanandi
11.10.2023	తాటి నుండి నీరా మరియు విలువ ఆధారిత ఉత్పత్తులు	Dr.P.C. Vengaiah Sr.Scientist, HRS- Pandirimamidi
12.10.2023	పనస సాగులో యాజమాన్య పద్ధతులు	Dr. P. Ashok, Senior Scientist & Head, HRS, VR Gudem
13.10.2023	కూరగాయల పెంపకంకు రబీలో తీసుకోవలసిన జాగ్రత్తలు	Dr.T.Kranthi Kumar, Scientist, KVK, Pandirimamidi

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 October first fortnight, 2023.

Date	Topics	Scientist Name
06.10.2023	జీడి మామిడి తోటల్లో ఎరువుల యాజమాన్యం మరియు అంతర పంటల సాగు	Dr. K. Venkata Subbaiah, Scientist, KVK, VR Gudem
09.10.2023	ధనియాల సాగులో ఆచరించవలసిన యాజమాన్య పద్ధతులు	Dr.B.Tanuja Priya, Principal Scientist, HRS, Lam
13.10.2023	సుగంధ ద్రవ్యాల పంటల్లో చీడపీడల నియంత్రణ	Dr.K.Giridhar, Principal Scientist, HRS, Lam

T.V. Programme:

On 12.10.2023, Dr. V.Anoosha, Scientist (Entomology), Dr.YSRHU-HRS, Ambajipeta delivered TV talk on 'Kobbarilo nalla mutte purugu-yajamanyam' in the ETV Telugu for Annadatha programme.



Dr. K. Ravindra Kumar, Sr. Scientist (Hort.), Dr.YSRHU- HRS, Kovvur participated in recording of radio talk on "Aratithoviluvaadharitavutpattulu" at AIR, Vijayawada on 6th October 2023 and the interview was broadcasted on 14th October 2023.

General

Dr. L.Mukunda Lakshmi, Principal Scientist (Hort), CRS, Tirupati as a Chairman of advisory committee attended P.G. student thesis colloquium presentation on "Development of composite micro-nutrient for sweet orange and its impact on fruit yield and quality" at Fruit Science department on 06/10/2023 at COH, Anantharajupeta.

Dr. K. Giridhar, Principal Scientist(Hort) & Head, Dr. B. Tanuja Priya, Principal Scientist(Hort), Smt. T.Vijaya Lakshmi, Senior Scientist(Path) and Dr.R.Naga Lakshmi, Senior Scientist(Hort), HRS, Lam, as a chairman and members of the advisory committees attended synopsis presentation of PG students on 4.10.2023.

Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram delivered a lecture on "Production Technology of Tuber Crops" for 40 dealers under DEASI Programme organized by ATMA, Kakinada on 08.10.2023 at Pithapuram.



Meetings:

Dr.R.Nagaraju, Principal Scientist & Head, CRS, Tirupati attended Monthly Review Meeting with Project Co-ordinator, ICAR-AICRP on Fruits and also attended the lecture on Avacado cultivation at the end of the meet on 06/10/2023 through virtual mode.

On 06.10.2023, Dr. Y. Sharath Kumar Reddy, Scientist (Pl Phy) from Dr YSRHU- HRS, Anantharajupeta had participated in monthly review meeting through zoom platform convened by Project Coordinator, AICRP on Fruits.

Exposure Visits

Dr.YSRHU – CoH, Anatharajupeta organized exposure visit for PG and PhD students to various organizations on 12-10-2023. Dr. Hemalatha, senior scientist (Pl.Path), showed different pests and diseases of sugarcane, maize, and millets at ARS, Perumallapalli. Dr. Kiran, Technical Assistant, Pesticide Residue Lab explained the methodologies and usage of different equipments like U-HPLC, GC- FPD, GC- ECD, and GC-MSMS. Dr. P.N. Harathi, senior scientist (Ento.), showed different pests and diseases of Groundnut, Redgram, Castor, and Sesame. Students also visited Crop Physiology and Nanotechnology laboratories and acquired knowledge on various ongoing activities and operating techniques involved in the laboratories.



Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati along with Ph.D students visited Oriental Research Institute, S.V. University on 04.10.2023 and discussed with the Project Director about the preservation process and other technologies to store palmistry texts etc.

On 10.10.2023, students of Delhi Public School Amalapuram visited Dr.YSRHU-HRS, Ambajipeta as a part of exposure visit and interacted with scientific community. The scientific fraternity shared about history, mandate of the research station and the information related to coconut and its intercrops during field visit and role of bio-control in coconut insect pests management.



On Educational tour, 3rd year students of KBR College of Horticulture, CS Puram along with faculty visited Dr.YSRHU-HRS, Kovvur on 8.10.2023 and were explained about the ongoing research activities and achievements and services rendered to the farmers.

On 11.10.2023, Dr. P.Nagarjuna Reddy, Scientist (Agril. Extension) conducted Udyana Sandarsana to students of ZPHS, Arimenupadu. Created awareness to the students on importance of Homestead Nutrigardens, Solar drying method of preservation, Primary and secondary nursery management techniques, new high yielding varieties in Chilli, Acid lime, Sweet orange, Sapota, Guava, Mango, Cashew, Banana and Marigold, Vermicomposting, Fodder crops cultivation, Backyard poultry birds rearing, Dragon fruit cultivation, Natural farming practices and Functioning of automatic egg incubator. Dr. B.Govinda Rajulu, Principal Scientist and Head, KVK Periyavaram, Dr.B.Vijayasree, Scientist (Home Science) and Dr.D.Thirupal, Scientist (Horticulture) participated and interacted with the students.



Visits

On 05.10.2023, Sri Saravanan, IFS, Rajahmundry circle Chief Conservator of Forests (CCF) visited bio control lab in Dr. YSRHU- HRS, Ambajipeta and appreciated the bioagents production facilities and bio control lab infrastructure.

On 06.10.2023, Sri G.Keshava Reddy, Hon'ble Board Member of Dr.YSR Horticultural University visited Dr.YSRHU-HRS, Ambajipeta. Scientists explained about the ongoing research activities in field and at bio-control lab.



On 07.10.2023, Dr.A.Devivaraprasad Reddy, Scientist, Dr.YSRHU-KVK, VRGudem has explained about Dr. YSR Horticultural University, holistic approach to education, research and outreach to the of RBK college and students visited the demonstration units and facilities available at the centre.

Awards

On 09-10-2023 and 10-10-2023, Dr.E.Khamdhar Naik, received Dr. A.P.J Abdul Kalam Research Award “YOUNG SCIENTIST AWARD 2023” and Ramanunjam Research Award 2023 and “BEST THESIS AWARD 2023” from Journal of Agriculture Biotechnology and Applied Science by Punjab Hydroponic Terrace Gardening.



On 14.10.2023, Sri G.ShaliRaju, Scientist (Entomology) Dr.YSRHU - KVK,V.R.Gudem received Padma Sri Dr.I.V.Subbarao Rythu Nestham Award for the year 2023 from former Vice- President of India Sri M.Venkaiah Naidu at Swarna Bharat Trust,Gannavaram, Vijayawada.



Sri Gadde Venkata Ratnam progressive farmer from Nachugunta Village of Ungutur mandal adopting organic farming technologies with the technical intervention of Dr.YSRHU - KVK,V.R.Gudem, received Padma Sri Dr.I.V.Subbarao Rythu Nestham Award for the year 2023 from former Vice- President of India Shri M.Venkaiah Naidu at Swarna Bharat Trust,Gannavaram, Vijayawada On 14.10.2023.

General

Dr. E. Karuna Sree, Director of Extension, Dr. YSRHU visited the Krihi Vigyan Kendra at Vonipenta on 11.10.2023 and Periyavaram on 12.10.2023 and reviewed the financial and technical progress of work as per the approved action plan for the year 2023-24.



Dr. E.Karuna Sree, Director of Extension, Dr. YSRHorticultural University visited Krishi Vigyan Kendra, Periyavaram on 12/10/2023 and reviewed the Financial and Technical programmes with scientists and office staff. Conducted on campus training Programme on "Chirudhanyalu - Pramukyatha" at KVK, Periyavaram, Venkatagiri, Tirupati district. Dr. E. Karuna Sree, Director of Extension, Dr. YSR Horticultural University participated and interacted with participants, enlightened the importance of Millets in our daily life and their nutritional importance for reducing the risk of life style disorders and suggested farmers to increase the area under cultivation of Millets and addressed women to take up entrepreneurship programmes for income generation through Value addition of millets. Dr.B.Govinda Rajulu, Principal Scientist & Head explained farmers on cultivation practices of millets, Dr. B. Nagarjunasagar, Assistant Director of Agriculture acknowledged farmers on adoption of millets as alternate crop to Paddy for dry land farmers. Later distributed Millet seed (Ragi – Vakula) to the farmers by Directorate of Extension, Dr. YSRHU, followed by visit to millet cafeteria at KVK- Instructional farm. All the scientific staff, VAAs, farmers and women participated in the programme.



Publications

"Empowering Women through Skill Training and Entrepreneurship –Initiative of Dr. Y.S.R. Horticultural University" by Dr. T. Janakiram, Vice-Chancellor, , Dr. E. Karuna Sree, Director of Extension, Dr.YSRHU and Dr. K. Mayuri, To i/c to DE, Dr.YSRHU in Agriculture Today, The National Agriculture Magazine, Volume: XXVI, Issue: 10, pp: 6-8.

"Jeeva niyantrana paddathula dwara kobbari tegulla yajamanyam" by V, Govardhan Rao, B. Neeraja, N. B. V. Chalapathi Rao, A. Kireeti, V. Anoosha, G. Koteswara Rao and B. Srinivasulu in Vyavasayam Magazine (October). pp. No 35-39.

"Invasive rugose spiraling whitefly (RSW) in coconut plantations: Bio-intensive management" by Viswanadha Raghuteja, N. B. V. Chalapathi in Indian Coconut Journal Vol.LXVI No. September-2023.

"Population dynamics of invasive Rugose Spiralling Whitefly, in East Godavari, Andhra Pradesh" by P. Viswanadha Raghuteja, N. B. V. Chalapathirao in Indian Coconut Journal Vol.LXVI No. September- 2023.

Y.Kavya, A.Radhika Ramya, J.Phani Kumar, A.Rajani, R.Naga Lakshmi, K.Sireesha, C.Venkata Ramana, B.Tanuja Priya, T.Vijaya Lakshmi and K.Giridhar, 2023. Drava Roopa Jeevana Eruvula Pramukhyatha- Rythu Bharosa monthly magazine, October, 2023: 18-19.

K.Giridhar, 2023. Dhaniyala saagulo kottha rakalu - Rythu Bharosa monthly magazine, October, 2023: 26-27.

Dr. K. Radha Rani, P.S (Hort.), Dr. B.K.M. Lakshmi, P.S(Pl. Path.) and Dr. G. Sravanthi, Scientist (Ento.). Mamidilo eruvula yajamaanyam, sassya rakshana charyalu. Rythunestham, October 2023, Page No. 21-22.

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