



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

1-15 March 2023



Fortnight Focus

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From Vice- Chancellor's Desk

Women are instrumental for development of any community and play catalytic role towards real transformation of society. Women empowerment is not just about the empowerment of individual women but about transforming societies and systems to be more inclusive and equitable. It involves challenging and changing the structures, norms, and practices that have historically disadvantaged women and limited their participation and influence in various spheres of life. The horticulture sector has potential of providing more employment and income especially for the farm women not only for employment generation and income enhancement but also has a great scope of value addition which provides employment opportunities for the landless women.

The women are playing major role in cultivation of fruits, vegetable and flowers. With the increased movement of male population to other non-farm sector in urban areas, the role of women in horticulture as well as in other sectors of agriculture has increased. Dr. YSR Horticultural University (Dr.YSRHU) with due consideration and respect for gender equality and view to empower women in farm and home sector declared "Dr.YSRHU –Year of Women Empowerment" and organised numerous trainings, webinars and skill development programmes.

Dr.YSRHU established Horticulture Processing and Skill Training Centre and Horti-Business Incubation Centre at its campus to contribute to women empowerment through skill training programs in various areas related to horticulture. These skill trainings viz: Dry Flower Technology, Scientific Beekeeping, Backyard Poultry, Home Gardening and Nursery Management, Mushroom Production Technology, Fruit and Vegetable Processing, Millet Processing and Value Addition, Aquaculture and Rubber Processing have played a vital role in enhancing the knowledge, capabilities, and self-employment opportunities for women. A special International Training programme on "**Processing and product preparation in cut flower sector**" was also conducted to the 10 women participants from Bangladesh.

With these interventions Dr.YSRHU has commitment towards enhancing income-generating potential and women's self-reliance thereby contributing to their overall empowerment and well-being.

Empowered women empower the world

Dr T. Janakiram
Vice-Chancellor

The Events

International training on Processing and Product Preparation in Cut flower sector from 07.03.23 to 16.03.23

International training on Processing and Product Preparation in Cut flower sector was conducted to 10 participants from NGO – Society for Bright Social Services (SBSS), Dhaka, Bangladesh at Dr.YSRHU - College of Horticulture, Dept. of FLA, KVK, Venkataramannagudem and Dr.YSRHU – CRS, Tirupathi from 7th-16th March, 2023.

On 08-03-2023, inaugural session was chaired by Hon'ble Vice-Chancellor wherein the participants were introduced and the speakers expressed the objective and importance of the training programme. It was followed by interactive lectures and group discussions on the topics Good Horticultural Practices and Prospects of Value addition, Methods of drying and dehydration in flowers- Rose, Chrysanthemum, Gerbera and Principles of value addition in Gladiolus, Cut beli and Drying equipment and cost estimates for drying resourced by the faculty in the Department of Floriculture and Landscaping, College of Horticulture, Venkataramannagudem.



On 09-03-2023, theory class and hands on training was held on different methods of drying *i.e* Hot air oven drying, Micro oven drying, Press drying and Embedded drying (using silica gel). The preparation of products with dried flowers, book marks, greeting cards, wall mats and resin based dry flower products such as keychains, paper weights and dry floral ornaments like pendants, bangles and earrings were made.



On 10-03-2023, Different styles of Ikebana Flower arrangements were demonstrated by Sri. Hema Patkar a renowned ikebana artist from Hyderabad. Hands on training was given on different flower arrangements *i.e* Ikebana flower arrangement and free style arrangement with the use of cut flowers, fillers and local available plant materials viz., Sapota twig, Petria, Lagerstomia, Torch Zinger, Lotus, Cocks comb, Kale and Fodder crops, collected from college premises were used for the natural appearance in the arrangement



On 11-03-2022, Hands on experience on preparation of variety of floral garlands, veni, gajra and floral ornaments with fresh flowers were demonstrated at the workshop of Sri Kollu Subrahmanyam, Madiki near Rajahmundry. Nursery practices and propagation techniques were demonstrated in Sri Satyadeva nursery, Kadiyam.



On 12-03-2023, Theory and Hands on training classes were held on preparation of mosquito repellents, dhoop sticks, moisturizers and mojitos with flowers, bee wax and honey resourced by the faculty in the Department of Entomology, College of Horticulture, Venkataramannagudem.



Training class on rose water extraction from *Rosa damacena*, Rose gulkhand preparation, natural floral soaps with essential oils from flowers were demonstrated by Floriculture department, College of Horticulture, Venkataramannagudem.



Rose water extraction, small scale distillation was demonstrated by Sairamraju, Lotus Values, Bhimavaram.



Feed preparation from flower waste and its uses for improving the egg yolk color and flesh color chicken was demonstrated by KVK, skill training centre.

On 13-03-2023, visited Dry flower technology centre managed jointly by Tirumala Tirupathi Devasthanam and Dr. YSRHU-HRS, Tirupathi wherein demonstrations were held on preparation of value added articles like photo frames with images of Dieties and key chains.



On 14-03-2023, visited Agarbatti Unit, Tirupati and conducted hands on training on different dry flower products.



On 15-03-2023, Hands on training and importance of floral teas (chrysanthemum, rose, clitoria, hibiscus), ubtans making was explained by showing different naturally sun dried flowers (marigold, rose, chrysanthemum, hibiscus). Bouquet preparation with cut flowers, fillers, wrapping and attractive packing were demonstrated by Floriculture department, College of Horticulture, Venkataramannagudem.

Interaction meet and certificate distribution by Sri Kakani Govardhan Reddy garu, Hon'ble Minister for Agriculture, Cooperation, Food Processing and Marketing, Govt. of Andhra Pradesh, to the trainee participants of Bangladesh was done in the presence of Dr T. Janakiram Hon'ble Vice-chancellor and Dr.E.Karuna Sree, Director of Extension, Dr. YSRHU and Mr. Feroj Al Mamoon Dety. Secretary, Ministry of Commerce, Bangladesh.



International Women's Day 2023

International Women's Day was celebrated at all the institutions of Dr.YSRHU on 08.03.2023.



International Year of Millets, 2023

On 09.03.2023 Dr.YSRHU-KVK, Venkataramannagudem organized the event "MILLET FEST" as part of celebrations of "International Year of Millets-2023" at Vatluru, Pedapadumandal, Eluru District. Various competitions like drawing, elocution and essay writing were conducted for girls on millets in senior and junior levels. Dr. E. Karuna Sree, Principal Scientist & Head, explained about importance of millets in food diet. Dr. T. Janakiram, Hon'ble Vice Chancellor, addressed about the scope and health benefits of millets and awarded the students with certificates and mementos for competition winners. Dr.M.Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem organized the event and created an awareness on usage of millets to students. Students were distributed with millet cookies and korrapulohora in this event.



13th Annual Day celebrations

The 13th Annual Day celebrations of Dr. YSRHU- College of Horticulture, Anantharajupeta were organized on 15-03-2023. The chief guest Dr. T. Janakiram, Hon'ble Vice-Chancellor, motivated the students with his message. Dr. K. Gopal, Associate Dean presented college report and gave message to the students and staff. Guest of honour Sri. D. Chettanathan, M.D. Aryadhan Financial Solutions Pvt. Ltd, Bombay, inspired students to think big, achieve more and give back to the society by his wonderful message, besides donating one lakh rupees towards college development. Dr. R. Nagaraju, Principal Scientist (H) and Head, CRS, Tirupati graced the occasion and guided the staff and students to excel in academics, sports, cultural pursuits, innovations, publications, projects and patents. Dr. P. SyamSundar Reddy, OSA, other teaching and non-teaching staff and students participated in the celebrations.



On 04.03.2023 Second year B.Sc (Hons.) Horticulture students of Dr. YSRHU-CoH, Chinalataripi were taken to Chinakothapalem, Addanki Mandal to show the chrysanthemum cultivation in Poly House, chilli and capsicum cultivation under shadenet as part of practical class for the course Commercial Floriculture. Course In-charge Dr. T. Padmalatha, Professor co-ordinated the tour.

Education

Participation in 21st Agri Unifest, 2022-23

Ten students from College of Agriculture, Venkataramannagudem, 2 students from COH, Parvathipuram, 1 student from COH, Anatharajupata, 3 students from NS College, Markapur, 3 from JC Diwakar Reddy college, Tadipatri and 1 student from Kadiri Baburao college, CS Puram participated in 21st Agri Unifest at UAS, Bengaluru from 13.03.2023 to 17.03.2023. Dr. A. Chandini Raj, Asst. Prof. (Hort), Dr. E. Jeevana Lakshmi, Asst. Prof. (Agronomy) accompanied the students. Dr YSRHU bagged 4th place in the procession among 67 universities participated.



Study Tour



Dr. E. Padma, Assoc. Prof (Hort) and Dr. P. Gangadhara Rao, Asst Prof (Hort.) conducted study tour for Bsc.(Hort.) II year CD batch students on 10.3.23. fields at Kapavaram, East Godavari Dt. and HRS, Kovvur, West Godavari dist.

RHWEP Activities



Rythusadassuwas organized by RHWEP students of COH, Chinataripi in Motadaka village, Guntur District under HRS, Lam- Guntur on 07.03.2023. Students displayed different models and created awareness among the farmers. Associate Dean in charge, Dr. K. Jyothirmai Madhavi, Associate Professor (Plant Path.) attended the programme.

Dr.YSRHU - KVK, Pandirimamidi, conducted Kisan Mela with RHWEP students at Veerlankapalli village, Gokavaram mandal on 07.03.2023. Students of Dr.YSRHU Horticultural College, Venkatarmannagudem, who are undergoing RHWEP program at KVK, Pandirimamidi organised Rythu Sadassu and Exhibition. Dr. P. Madhavi, Associate Dean of Horticultural College, Venkatarmannagudem, attended the program as chief guest. Dr.P.Lalitha Kameshwari, Principal Scientist & Head, Scientists of KVK, Dr. S.Adarsha, Sri P.Raja Sekhar and Dr. Rapaka Praveen Babu and 80 farmers attended the program.



On 10.03.2023, RHWEP students from College of Horticulture, Anantharajupeta who were allotted to KVK, Vonipenta organized Rythu sadassu. The farmers meeting was attended by Associate Dean Representative Dr. M. Balakrishna, Associate Professor, COH, AR Peta, Dr. N. Srividya Rani, Scientist and Head, KVK, Vonipenta, Dr. G. Chandra Mohan Reddy, Assistant Professor (Horticulture), COH, AR Peta. The students exhibited models on rain water harvesting, different types of mulches, value added products, installation of

yellow and blue sticky traps, multistoried cropping systems, types of beds, zero energy cooling chamber, vermicompost technology and hydroponics. Dr. M. Balakrishna, interacted with the farmers on importance of soil testing and measures to improve soil organic carbon content. Soil health cards were distributed to the host farmers and released the pamphlet on the activities of RHWEP programme.

On 14-03-2023 the RHWEP students of CoH, Parvathipuram allotted to KVK Venkataramannagudem organized Rythusaddau in Singarajupalem village and displayed the latest technology demonstration models, performed skit, song and organized the farmers scientist interaction meeting. Dr. K. Venkata Subbaiah, Scientist (Hort.) and representative of PS and Head KVK, Venkataramannagudem participated and interacted with the students and farmers. The programme was coordinated by Dr.V.Deepthi, scientist (Agril. Extension), KVK, Venkataramannagudem and Dr.K. Geethanjali, Assistant Professor, CoH, Parvathipuram, AD representative.



Dr. M. Janaki, Scientist (Hort.) & Head, Dr.YSRHU - HRS, Peddapuram participated in the Rythu Sadassu conducted by RHWEP students allotted to HRS, Peddapuram on 15.03.2023 at R.B.Patnam village. The students displayed different models and posters on latest technologies and interacted with farmers.

NSS Special camp- 2023

NSS Special camp- 2023 was conducted at adopted village Palukuru from 24.02.23 to 2.03.23 by College of Horticulture, Chinalataripi.

24.02.23	NSS special camp was inaugurated and rally was conducted about NSS awareness programme.
25.02.23	Medical camp was conducted and cleaning of village was done as a part of Swatch Bharath Programme.
26.02.23	Training programme was organized with the help of ELP students on Value addition and Processing of Fruits and Vegetables to rural women and also created awareness regarding importance of medicinal plants, nutritional garden and distributed seed kits.
27.02.23	Awareness programme was conducted about green initiatives through rally with placards and slogans and saplings were planted.
28.02.23	Swatch Bharath programme was conducted which includes removal of plastic waste and application of bleaching powder in drainages.
01.03.23	Yoga awareness programme and Disha app awareness programme was conducted at Government High School, Palukuru
02.03.23	Interaction with farmers at adopted village Palukuru

Dr. S.S. Vijaya Padma, Associate Dean, all the staff and NSS volunteers participated in the programme. NSS Officer Dr. Y. Yohan, co-ordinated the programme.



Research



As a part of PG Research, Dr. Ch. Ruth, Professor (Pl. Path.), Dr. K. Swarajya Lakshmi, Prof. (Horticulture), along with PG and Ph.D 2nd year & 1st year Postharvest students visited muskmelon field *var. kundan* intercropped with papaya and observed & collected Gummy stem blight diseased leaf samples and interacted with farmers of Y. Kota village,

Obulavaripalli (M) on 01-03-2023.

On 10-03-2023 millet snacks were prepared by ELP 403 students of CoH, Anantharajupeta, served to all the faculty, PG students and staff.



Extension



On 02.03.2023, Dr YSRHU-HRS, Ambajipeta, successfully completed CDB sponsored training program on Hybridization in coconut for rural youth. Dr. B. Srinivasulu, Principal Scientist and Head, distributed certificates. Sri. Kireeti, scientist (Hort.) and G. Koteswara Rao, Research Associate (Hort.) co-ordinated the programme.



On 04-03-2023, Dr.Venkata Satish Kuchi, KVK, Venkataramannagudem conducted training on “Kitchen garden-Suitable crops and their importance in nutrition” at KVK Venkataramannagudem. In this program, different varieties of vegetables and their nutritional values along with pharmaceutical properties were explained. The trainees were taken to KVK instructional farm and explained about the bio-fortified vegetables. Later, kitchen garden kits were distributed to them. 25 women farmers participated.



On 09-03-2023 and 10-03-2023, KrishiVigyan Kendra, Pandirimamidi conducted two days skill training programme on value addition of casava and sweet potato to rural women. The technical and practical sessions were conducted and demonstration has conducted on preparation of casava flour, starch and different type of snacks from casava and sweet potato. Dr. M. Janaki (Scientist and Head HRS, Peddapuram) distributed the certificates to the trainees in valedictory session. Dr. T. Kranthi Kumar Scientist (Horticulture) coordinated the programme.



Dr.YSRHU – MRS, Nuzvid Scientists, conducted training programme to mango farmers at Kothareddypalem and Chebrolu, Guntur district on 02.3.2023.



On 03.03.2023 Dr.P.Nagarjuna Reddy conducted training programme on scientific rearing of Sheep and Goat at KVK Periyavaram, Venkatagiri under SC SP 2022-23. Dr.B.GovindaRajulu, Principal Scientist and Head, Dr. Sujatha, Professor, Centre for Continuing Veterinary Education, S.V.Veterinary University, Dr. Kishore Kumar, VAS (Paravolu),

Venkatagiri participated in the programme. Enlightened farmers on ‘Feed and disease management and scientific measures to be followed for rearing of sheep and goat’. Distributed Goat and Sheep Mineral Mixture to the participants. SC farmers from Jangalpalle, Kalapadu and Patrapalle participated in the programme.

Vocational training to RHWEP students:

On 04.03.2023, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) along with RHWEP students visited S.V. Agricultural College and Regional Agricultural Research Station, Tirupati as part of vocational training to students. Sri. Gurivi Reddy, Assistant Professor (Plant Pathology) explained about the mushroom production technology and its process. Dr. Manjula, Professor and Head (Entomology) explained about the vermicompost production technology and vermiwash preparation to the students. Dr. Ravindra Reddy, Senior Scientist (Microbiology) explained about the importance of Bio-control agents in horticulture crops and the process for preparation of Bio-control agents.





On 03.03.2023, Smt. I.Rajeevana, Scientist (SSAC) conducted awareness programme to school studentson nutritive importance of millets and declaration of international millets year. Arranged exhibition of different types of millets. Dr.B. Govinda Rajulu, Principal Scientist & Head, Dr. D.Tirupal, Scientist (Horticulture), Mrs. Tulasi Jyothi, Principal, teachers, and students of A. P. Model school participated in the programme.

Scientist of Dr.YSRHU –PHTRS, VR Gudem Scientists, Dr. B. Babu Rao and Dr. M. Naveen Kumar, conducted hands on training programme on value addition of jack fruit such as RTS, Squash, jam and chips to RHWEF students from HRS, Venkataramannagudem was conducted on 07-03-2023, 09-03-2023 and 10-03-2023.



Dr. B. Babu Rao, Scientist, Dr.YSRHU – PHTRS, VR Gudem, explained about the different facilities available at fruit & vegetable processing unit and preparation of different value added products to Prof. Dr. AFM Jamaluddin. Department of Horticulture, Sher-e-Bangla Agricultural University, Bangladesh and his team on 15-03-2023.

Training Programmes Participated

Dr. M.Janaki, Scientist (Hort.) and Head, Dr. YSRHU - HRS, Peddapuram has attended as a resource person for the skill training programmes on “Preparation of value added products from Cassava and sweet potato” conducted by KVK, Pandirimamidi on 09-03-2023 to 10-03-2023.



Trainings/Awareness Programmes under Natural Farming by KVKs



On 13-03-2023, Dr.M. Harshitha, Scientist (SSAC), KVK, Vonipenta, attended training programme on ‘Sustainability in Natural Farming’ at Vonipenta vil-lage of Mydukur mandal. As a part of the training programme, encouraged the women of SHG to start small-scale business so that the financial status of the women can be improved. Sri. Vani, Field Officer, SBI attended the programme and explained the women about the maintenance of SHG by timely payment of amount to the banks. Sri. Narasimha Reddy, FPO chairman and Sri. Rajasekhar Reddy, DPCC, NGO also participated in the programme.

On 14.03.2023, Dr.Srividya Rani.N, Scientist and Head, KVK, Vonipenta attended the programme on Sustainability of Natural farming at FPO Office, Vonipenta under Livelihood Enterprise Development Programme (LEDP) with the financial support from NABARD, APRO, Hyderabad organized by DPCC-NGO, Mydukur. In this programme Scientist and Head, explained to the farmers regarding the activities of KVK, Vonipenta and the activities taken up by them for upliftment of the farmers and explained to the women farmers on the importance of natural farming and also regarding importance of Soil testing and Value addition etc. Sri.Ramanjeneyulu, Master Trainer, Mydukur division and Sri.Rajasekhar garu, DPCC, NGO, Vonipenta, addressed the women farmers on how to prepare all the natural products like Agnastra, Neemastra, Jeevamrutham, Beejamrutham and also to keep the products for sale for income generation.





On 15-03-2023, Dr.M. Harshitha, Scientist (SSAC) initiated two day training programme on 'Outscaling of Natural Farming' at KVK, Vonipenta. As a part of the training programme, awareness was created to the farmers regarding importance of Natural farming. Dr.M. Harshitha, interacted with the scientists regarding the practice of Pre Monsoon Dry Sowing (PMDS) in the field by which the continuous income can be obtained by the farmer and also replenishment of nutrients to the soil can be done. Dr. N. Srividya Rani, Scientist (Extension) and Head explained the farmers about the benefits of Natural farming that we can protect the soil, water and environment. Sri. Ramanjaneyulu, Master Trainer, Mydukur explained the farmers about the usage of locally available resources to the crops in Natural farming so that input cost can be reduced. Dr. S. Firoz Hussain, Scientist (Hort) demonstrated the preparation of dhraavajeevamrutham.

Method Demonstrations



On 06-03-2023, Dr M Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem organized the demonstration of use of Agricultural drones for spraying of nutrients and pesticides on Citrus and Oil palm in Pothepalli Village of DwaralaTirumalaMandal, Eluru District.

SC-Sub Plan Activities

On 14-03-2023, Dr. N. Srividya Rani, Scientist (Extension), Dr.YSRHU – KVK, Vonipenta and Head provided two- month old Kadaknath chicks to the farmers of Madirepalli village of Duvvur mandal under SC-Sub Plan.



Udyana Yatra



On 09.03.2023, 10.03.2023 and 14.03.2023, Dr.YSRHU- KVK, Venkataramannagudem organized the exposure visit as a part of UdyanaYatra to Montessori School, Tanuku. Scientists of Dr. YSRHU-KVK, HRS and PHTRS explained different processing techniques and dry flower technology at Processing and Horticultural Skill Training Centre. Participants gained knowledge on dry flower technology, fisheries based integrated farming systems and processing and preservation of fruits and vegetables.

Diagnostic Visits

Scientists of Dr.YSRHU – MRS, Nuzvid, conducted diagnostic field visit to mango orchard at Kothareddypalem and Chebrolu, Guntur district on 02.3.2023.



On 03-03-2023, Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. YSRHU-KVK, Venkataramannagudem visited Mango field in Telikicherla village. Observed the incidence of Powdery mildew and suggested to spray Wetable sulphur @3g. per lit. or Hexaconazole @2ml per lit of water at 10-15 days interval.



On 07.03.2023, Dr. V. Govardhan Rao, scientists (Pl. Path.) and Dr. V. Anoosha, Scientist (Ento.) conducted diagnostic survey in 5 mandals (allavaram, ainavilli, katrenikona, mummidivaram and uppalaguptam) of Dr. B. R. Ambedkar Konaseema district.



On 06.03.2023, Dr. T. Kranthi Kumar, Scientist (Horticulture) and Dr .N. Chiranjeevi, Scientist (Plant Pathology), KrishiVigyan Kendra, Pandirimamidi, conducted diagnostic field visit to brinjal fields at Damanapalli village, Devipatnam Mandal. Observed Shoot and Fruit borer and Leaf hoppers infestation and explained about the control measures.

Dr. K.Veeranjaneyulu, Scientist (Fisheries), KrishiVigyan Kendra, Pandirimamidi conducted diagnostic filed visit to fish and shrimp tanks on 12-04-2022 and observed over blooming in pangasius tank and recommended Potassim permanganate@1 kg per acre along with BKC for the management of over blooming. Also visited Pangasius and Roopchand poly culture tank, identified under feeding practices and daily mortality and recommended proper daily feeding chart and BKC, Formaldehyde and Glutaraldehyde combination water sanitizer @1 lit. per acre and after one day @ 1kg per acre water probiotic. Visited Vannamei shrimp tank and observed EHP problem and suggested proper eradication methods for EHP spores during tank preparation.



On 10th March 2023 Dr. D. Thirupal, Scientist (Horticulture), Dr. YSRHU-KVK, Periyavaram conducted a diagnostic field visit to water melon at Pularangadupalli village, Venkatagiri mandal, Tirupati District. Observed Thrips infestation & suggested spraying of Dimethoate @ 2ml/l or Acetamiprid @ 0.5 g/l or Fipronil @ 2ml/l.

On 14th March 2023, Dr. D. Thirupal, Scientist (Horticulture), Dr. YSRHU-KVK, Periyavaram conducted a diagnostic field visit to Onion at Chintakunta village, Venkatagiri mandal, Tirupati District. Observed leaf spot disease & suggested spraying of Mancozeb @ 3g/l or Chlorothalonil @ 2.5g/l.



VC to Village Activities



On 15.03.2023, Dr. V. Anoosha, Scientist (Entomology) and Dr. G. Koteswara Rao (Research Associate, Horticulture), Dr. YSRHU-HRS, Ambajipeta proceeded to Vakalagaruvu, Adopted Village under VC to Village Programme and created awareness on production technology of coconut. Observed the pest and disease incidence and suggested remedial measures.

Scientists of Dr. YSRHU- HRS, VR Gudem, conducted VC to Village program at Pedha Tadepalli on 15-3-2022. Dr. P. Sunitha, Senior Scientist (Ento.) Dr. T. Thomson, Scientist (Hort.) and Dr. N.V. Gowtham Deekshithulu, Scientist (Ag. Engg) explained about the role of bio control agent *Apertochrysa Astur* for the management of Rugose Spiraling Whitefly on coconut and demonstrated clipping of predator eggs to the infested leaflets of coconut palm



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 March, 2023 (3-4 PM).

Date	Topics	Scientist Name
01.03.2023	మునగ పంట సాగులో పాటించవలసిన యాజమాన్య పద్ధతులు	Sri.M. Mutyala Naidu Principal Scientist (Hort.) & Head HRS, Darsi
02.03.2023	పుట్టగొడుగులలో వివిధ రకాలు, వాటిని పెంచే విధానం, పోషక ఉపయోగాలు	Dr. B.S. Kanthi Sri, Scientist (Home Sci- ence), KVK, Vonipenta
03.03.2023	ఉసిరిలో నీటి యాజమాన్యం	Smt B.Vimala Scientist (Hort) HRS, Anantapuramu
04.03.2023	ఆహార పదార్థాల నాణ్యత లో తీసుకోవలసిన జాగ్రత్తలు	Dr. P.C. Vengaiyah Scientist (FST), HRS, Pandirimamidi
06.03.2023	అరటి సాగులో ఎగుమతి ప్రమాణాలు	Dr.T.Susila Sr. Sc. (Hort.) & Head BRS, Pulivendula
07.03.2023	సపోటా తోటలో చీడపీడల యాజమాన్యం	Dr.P. Sunitha Scientist (Ento.) HRS, VR Gudem
09.03.2023	వేసవిలో కోడిపిల్లల యాజమాన్యం	Dr. P.Manjari Scientist (Veterinary Sc.) KVK, Priyavaram
10.03.02023	ఇంటర్నెట్ ఆధారిత వ్యవసాయ సేవలు	Dr.R. Praveen Babu Scientist KVK, Pandirimamidi
13.03.2023	అరటిలో సమస్యాత్మకంగా మారుతున్న చీడపీడలు తీసుకోవలసిన జాగ్రత్తలు	Dr.A. Snehalatha Rani Scientist (Pl. Path.) HRS, Kovvur
14.03.2023	మిరపలో మేలైన యాజమాన్య పద్ధతులు	Dr.K.Giridhar Principal Scientist (Hort.) & Head HRS, Lam
15.03.2023	లాభసాటిగా పాడిపశువుల పెంపకం	Dr.T. Vijaya Nirmala Scientist (Veterinary Sc.) KVK, VR Gudem

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 March first fortnight, 2023.

Date	Topics	Scientist Name
03.03.23	ఉద్యాన పంటలలో అడవి పందుల బెడద - నియంత్రించే మార్గాలు పారడ్రోల్ యంత్రాలు మరియు లభ్యత	Dr.N.Emmaneul Associate Professor (Entomology) CoH, VR Gudem
06.03.23	కొబ్బరి మరియు ఆయిల్ పామ్ తోటల్లో దిగుబడి పెంచడానికి మేలైన యాజమాన్య చర్యలు	Dr.M.Thirupthi Reddy Pr. Scientist (Horticulture) HRS, Vijayarai
10.03.23	జీడిమామిడి పూత పిందె దశలో ఆశించే చీడపీడలు - సస్యరక్షణ చర్యలు	Dr. S. Adharsha Scientist (Entomology) KVK, Pandirimamidi
13.03.23	ఉల్లిలో మేలైన సస్యరక్షణ చర్యలు	Sri. M. Tagore Naik Sr.Scientist (Horticulture) HRS, Mahanandi

Exposure visits

The teaching staff, Dr, K.Swarajya Lakshmi , Prof. (Horti), Dr.Ch.Ruth, Prof. (Pl Path), Dr.P.Syam Sunder Reddy, Assoc. Prof. (Horti.), Dr. K. Deepthi Kiran, Asst. Prof. (Agronomy), Dr. K. Eresh Kumar, Asst.Prof.(Agrl.Engg.), Dr.G.Lakshmi Devi, Asst. Prof. (Biotechnology) along with 3rd year BSc (Hons.) Horticulture students and PG Post harvest technology students visited vegetable and flower crop fields, FDI (Farm Direct Impex) cold storage unit, Sudhakar Plastics Industries, Tirupati, Hydroponics in protected structures "Vyavasayabhoomi,Biofertilizer unit and Museum, CRS, Tirupation 04-03-2023.They also visited the vegetable and flower crop fields in Karakambadi (vill,) of Renigunta (M) and noticed various pest, diseases and deficiency symptoms. .



On 04.03.2023, Second year B.SC (Hons.) Agricultural students of College of Agriculture ANGRAU, Rajahmundry visited Dr.YSRHU, HRS, Ambajipeta under exposure visit. Students visited coconut gene bank, experimental plots, biocontrol labs& corcyra rearing unit and interacted with scientists. Dr. G. Koteswara Rao, RA (Hort.) co-ordinated the exposure visit.



On 07-03-2023, 7th standard students of SriChaitanya School, Amalapuram visited Dr. YSRHU-HRS, Ambajipeta and interacted with scientists. Our Scientists briefed about the station activities and arranged filed visit. Created awareness on varieties of coconut, importance of biocontrol agents and need of the biological approach in pest management.

On 13.03.2022, Dr. N.B.V.Chalapathi Rao, Principal Scientist (Ento.) and Shri. A. Kireeti, Scientist (Hort.) visited Cocoa garden of Sri Nagireddy Ravi Prasad who is earning good income by maintaining the field with good agriculture practices.



Twenty RAWEP students of Dr.YSRHU - COH, Parvatipuram, allotted to KVK, VR Gudem, visited Bio Fertilizer Unit on 10 -03-2023. Dr. T. Naga Lakshmi Senior Scientist(PP), and Dr. P. Sunitha, Senior Scientist (Ento.), explained about 'Production and uses of biofertilizers and bio-control agents'.Dr. T. Thomson, Scientist (Hort.) and Dr. N.V. Gowtham Deekshithulu, Scientist (Ag.Engg.), explained about various activities

carried out at Centre of Excellence for research and training in protected cultivation.



Dr.YSRHU - COH, VR Gudem, B.Sc. (Hort.) III year students visited Centre of Excellence for research and training in protected cultivation on 9-3-2023. Dr. T. Thomson Scientist(Hort.), and Dr. N.V. Gowtham Deekshithulu, Scientist (Ag.Engg.), explained about various activities carried out at CERTPC.

On 08.03.2023 Dr. S.Adarsha Scientist (Entomology),Dr. N.Chiranjeevi Scientist(Plant Pathology), from Krishi Vigyan Kendra, Pandirimamidi and Dr. Narayanan Bhat Prinicpal Scientist, NCIPM, conducted visit to IPM chilli plots at Doogutta Village of Kunavaram Mandal.



On 06.03.2023, an exposure visit to Bio- fertilizer unit at Regional Agricultural Research Station, Tirupati and Dr YSRHU- Citrus Research Station, Tirupati was conducted to RHWEF students of Sri Krishnadevaraya College of Horticultural Sciences, Anantapuramu allotted to Dr YSRHU- HRS, Anantharajupeta. Dr Ravindra Reddy, Scientist (Microbiology), RARS, Tirupati explained about the production methodology, materials required and precautions to be followed in the production of biofertilizers. Dr T. Rajasekharam, Senior Scientist (Pl Path), CRS, Tirupati had explained about research station activities to the students. Dr.G. Sandeep Naik, Scientist (Plant Pathology) coordinated the programme.

General



From 07.02.2023 to 27.02.2023 Dr.S.Adarsha from Krishi Vigyan Kendra, Pandirimamidi attended 21 days winter school on 'Implications and impact assessment of climate change on pests, natural enemies & pollinators in horticultural ecosystems' organized by ICAR- Indian Institute of Horticultural Research, Bengaluru. The program was inaugurated by Dr.S.N.Sushil, Director, ICAR-NBAIR, Bengaluru & Dr.S.K.Singh, Director, ICAR -IIHR, Bengaluru. Various concepts on impact of climate change on crop, pests, natural enemies, pest modeling, crop modeling were taught as part of training program. Dr. N.K.Krishna Kumar, Ex- DDG (HS) ICAR, New Delhi was the Chief Guest on valedictory function.

Mr. Rakshith, M.Sc (Entomology) Student from KSNUAHS, Shimoga who is doing his research at NBAIR, Bangalore undergone one day training cum exposure visit of Biocontrol lab at Dr. YSRHU- HRS, Ambajipeta and learnt about mass multiplication of *Apertochrysa astur*, on 13.03.2023. Dr. N.B.V.Chalapathi Rao, Principal Scientist (Ento.) and Dr. V. Anoosha, Scientist (Ento.) explained ongoing research activities. Dr. G. Koteswara Rao, RA (Hort.) explained about the collection and drying of coconut pollen as it plays vital role in *Apertochrysa* diet.



Meetings

Scientists of HRS, VR Gudem interacted with RAWEP students of COH, Parvathipuram and informed about various activities carried under AICRP on fruits, AICRP on medicinal and aromatic crops & betelvine at CERTPC

Radio Talk

Dr. B.K.M. Lakshmi, Principal Scientist (P.P) & Head has given Radio talk on "Maamidilo kaaya kotha anantharam teesukovalasina charyalu - Interview" at All India Radio, Vijayawada on 15.03.2023.

Publications:

Published popular article on "Kobbari coco pantalalo cheppattavalasina panulu", B. Neeraja, A. Kireeti, V. Anoosha, V. Govardhan Rao, NBV Chalapathi Rao, G. Koteswara Rao, and B. Srinivasulu in Eruvaka magazine, March, pp 41-42.

Published popular article on jeeva niyantrana paddathula dwara Rugose telldoma yajamanyam.V.Anoosha, NBV Chalapathi Rao, A. Kireeti, B. Neeraja, V. Govardhan Rao, G. Koteswara Rao, and B. Srinivasulu in Vyavasayam magazine (ANGRAU), March, pp 22-23.

Published popular article on “ Mamidilo Naanyyamaina Digubadiki Mukhyamaina Charyailu” Dr. B. Kanka Mahalakshmi, Dr. G. Sravanthi & Dr. K. Radha Rani in Dr. YSR Rythubharosa March – 2023, P.P. 26-27.

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