



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

1-15 December 2022



Fortnight Focus

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From Vice- Chancellor's Desk

On December 5th 2022, World Soil Day was celebrated with the theme “Soil, where the food begins”. The celebrations reminded us that 95% of our food comes from the soil, while that may not come as a surprise but, the worrying news is that globally, 33% of our soils are degraded creating challenges for the two-thirds of the world’s population who are at risk of nutrient deficiency.

Due to intensive farming practices and crops harvested, nutrients are leached from the soil. These nutrients can be replenished by fertilizers, but misuse or overuse of fertilizers can increase greenhouse gas emissions, degrade soil and water resources, and can harm animals and humans. Nutrition-deficient soils produce nutrition-deficient crops, which leads to food and nutrition insecurity. Healthy soils can significantly contribute to ending hunger and creating a healthy planet.

Measures to protect our soils

- Adopting long term sustainable soil management practices
- Protecting the soil-food web
- Nutrient recycling through integrated nutrient management
- Opting for biological pest management
- Adding organic matter to the soil instead of chemical fertilizers

Dr.YSRHU through all its constituent Colleges, Polytechnics, Research Stations and KVKs celebrated the World Soil Day in a befitting manner and created awareness to farmers, school children and youth on soil health management and adoption of organic farming practices for soil health improvement.

Healthy soils is the only way to protect our future, help plants to become stronger and healthier, effectively benefitting human health and ensuring food security.

Dr T.Janakiram
Vice-Chancellor

The Events

Golden Jubilee Celebrations, CRS, Tirupati

Dr.YSRHU-Citrus Research Station, Tirupati celebrated Golden Jubilee and Dr.YSRHU Year of Citrus 2021-22 on 01-12-2022. Honorable Minister for Agriculture, Horticulture, Sericulture and Agri. Processing along with Dr.T. Janakiram, Honorable Vice-Chancellor of Dr. YSRHU inaugurated the information centre at Dr.YSRHU - CRS-Tirupati in the presence of Dr. L. Naram Naidu, Director of Research, Dr. E.Karuna Sree, Director of Extension, Dr. K.T.V.Ramana, Zonal Research Head (Rayalaseema Zone), Dr. K. Gopal, Associate Dean, COH, Anantharajupeta, District Horticultural Officers, farmers from different district of Andhra Pradesh. Honorable Minister released Year of Citrus Souvenir, Citrus farmers Success stories booklet, Dr YSRHU year of Citrus 2021-22 extension activities book, Book on Publication on Frequently asked questions and answers, Compendium of guest lectures and folders on citrus. Felicitated Best Citrus farmers of Andhra Pradesh and mementoes were distributed to progressive farmers of Andhra Pradesh by the dignitaries on the Dias.

Honorable Minister and other dignitaries inaugurated exhibition stalls arranged by Dr.YSRHU, Department of Horticulture, Agriculture, Input Agencies, etc., as a part of Udyana Mela and interacted with the entrepreneurs, students, skill trained women etc. also participated in planting programme of Citrus and Banana.

Hon'ble Agricultural Minister, Sri Kakani Govaradhana Reddy garu, praised the activities carried out



by Dr.YSRHU and was impressed with the dry flower technology products project being carried out with the help of Tirumala Tirupathi Devasthanam (TTD).

The programme was coordinated by Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr.YSRHU - CRS, Tirupati and Dr. C. Madhumati Principal Scientist (Hort) & Head, Petlur and in cooperation with all the scientists of Rayalaseema Zone in cooperation with Dr.K.T.Venkata Ramana, Zonal Research Head, Rayalaseema and all the scientists and staff of HRSs and KVKs under this zone.

World AIDS Day

World AIDS day was celebrated by NSS Cell at Dr.YSRHU-College of Horticulture, Anantharajupeta on 1-12-2022. On this day, staff interacted with the students to create awareness about prevention and spread of HIV and motivated the students to promote the slogan of "End HIV epidemic across the globe." NSS programme officer, Dr.Y.Deepthikiran coordinated the programme.



National Agricultural Education Day

National Agricultural Education Day was celebrated by NSS Cell at Dr.YSRHU-College of Horticulture, Anantharajupeta and College of Horticulture, Chinnalataripi, on 3-12-2022. Indian Council of Agricultural Research (ICAR) commemorates the birth anniversary of Dr. Babu Rajendra Prasad, the first President of India as Agriculture Education Day. On this day, all the staff members participated and interacted with the students to create awareness about the significance of Agricultural Research, Education and Extension in various fields of Agricultural Sciences and motivated the students to put their best efforts in shaping their career in the field of agriculture.



World Soil Day

On 5.12.2022, World Soil Day was celebrated at College of Horticulture, Chinnalataripi. The theme of World Soil Day for the year 2022-23 is "Soils- where food begins". On this day soil sampling was done by students in the premises of college and sent them to soil testing laboratory to analyse the soil nutrient status of college field plots. NSS Officer Dr. Y. Yohan and Officer of Student Affairs Dr. M. Shireesha co-ordinated the programme.



On 05.12.2022 Smt. I. Rajeevana, Scientist (Soil Science & Agril. Chemistry), Dr. YSRHU - KVK, Periyavaram, conducted World Soil Day with the theme "Soil: where food begins" under the leadership of Dr. B. GovindaRajulu, Principal Scientist & Head. Special speakers Sri. M. Bhaskaraiah ADA, DRC, Tirupati enlightened the participants regarding the importance of usage of organic manures to the soil and how to enrich the soil health, how to improve soil quality. Dr. Nagarjuna Sagar, ADA, Venkatagiri explained the participants regarding the climate change causes and reducing the agrochemicals usage in agriculture there by improving soil health. usage of green manure seeds supplying by department of agriculture and to improving the soil nutrient status. In this programme Soil Health Cards were distributed to farmers. Ralley conducted with participants regarding the importance of soil health. Dr.B.Vijayasree, Scientist (Home Science), KVK Periyaram, Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension), farmers and students participated.



Mahaparinirvan Diwas

The staff and students of all the institutes of Dr.YSRHU observed 6 December 2022, as Mahaparinirvan Diwas to commemorate death anniversary of Dr Bhimrao Ramji Ambedkar, the architect of Indian Constitution and pledged the Preamble of the Constitution to uphold the spirit of value of Indian Constitution and paid floral tributes to him.



Education

A total of 19 RHWEP students were allotted to Dr.YSRHU-CRS,Tirupati. Students were divided in to two groups and allotted Bhimavaram and Adapareddy Palli Villages.

On 6-12-2022, Dr. B. Srinivasulu, Principal scientist and Head, Dr. NBV Chalapathi Rao, Principal Scientist (Ento.) and Dr. V. Govardhan Rao, Scientist (Path.) Visited RHWEP village Gangalakurru Agraharam to introduce RHWEP students of Dr. YSRHU- CoH, Parvathipuram to their host farmers.

On 12-12-2022, RHWEP students visited HRS, Ambajipeta, the scientists of Dr. YSRHU - HRS, Ambajipeta explained research station activities.

Fifteen final year girl students of Dr. YSRHU - Dr. YSRHU – College of Horticulture, V.R.Gudem have been allotted to Dr. YSRHU - HRS, Peddapuram under RHWEP on 9th December, 2022 and these fifteen members were attached to Kattamuru, G.Ragampeta and R.B.Patnam villages and completed the process of allotment of crops and host farmers.

Dr. YSRHU- COH, Parvathipuram students (7) allotted to Dr. YSRHU-HRS, Ambajipeta under RHWEP and were allotted to host farmers of Gangalakurru Agraharam, Dr. B. R. Ambedkar Konaseema district.

Research

Dr. YSRHU - CRS, Petlur scientists, observed severe infestation of gummosis in acid lime. The isolated pathogen samples were sent to NCIM for molecular identification and the pathogen was identified by ITS rRNA by using ITS1-ITS4(541bp). The given sequence ID: **NR111264.1** and strain showed closest homology with *Lasiodiplodia pseudotheobromae*.

ICAR-AICRP, QRT Team-2022, comprising of Dr. V. Ravi, Former Director, CTCRI, Trivandrum & Dr. Prakash Patil, Project Coordinator (Fruits), IIHR, Bangalore, visited Citrus Research Station, Tirupati on 08-12-2022, to review the progress of AICRP Citrus Project. Sathgudi sweet orange budlings and banana plants were planted at Dr.YSRHU-Citrus Research Station, Tirupati by Dr. V.Ravi & Dr. Prakash Patil on eve of Golden Jubilee Celebrations & Dr. YSRHU Year of Citrus 2021-22 visited laboratories, experimental fields, germplasm block, sweet orange screen house mother block and TTD & Dr. YSRHU skill training centre, CRS, Tirupati. The programme was attended by Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Sr. Scientist (Hort), Dr. D. Srinivasa Reddy, Sr. Scientist (Ento) and Dr. T. Rajasekhar, Sr. Scientist (Pl. Path), Dr. V. Gopi, Technical Asst., Dr.YSRHU - CRS, Tirupati.



HRS, Ambajipeta - Observations during the month revealed that 35-40 percent *Encarsia* parasitisation of RSW in Ganga Bondam variety, 15-20 percent parasitization in ECT variety and 50-60 percent *Encarsia* parasitization observed on intercrop *Colacasia* in the Coconut fields.

Director CTCRI & Project Coordinator ICAR AICRP on tuber crops Visit to DrYSRHU-HRS-Peddapuram & Kovvur

Dr. M.N.Sheela, Director and Project Coordinator and Dr. S. Sunitha, Principal Scientist, AICRP on Tuber Crops, ICAR- CTCRI, Thiruvananthapuram, Kerala have visited the Dr. YSRHU - HRS, Peddapuram on 4th November and planted the banana plants as part of Year of Banana and later proceeded to farmers fields in J.



Thimmapuram and Kattamuru to observe “MLT on Cassava Mosaic Resistant varieties.” Dr. M. Janaki, Scientist (Hort.) & Head has explained the progress of all the on going experiments on cassava and sweet potato under AICRP on Tuber Crops and also reviewed about other activities.

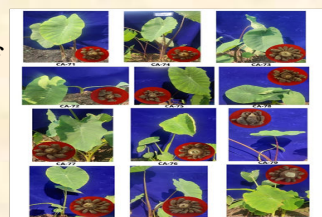


Dr M.N Sheela Director (Acting), ICAR-CTCRI & Project coordinator, ICAR-AICRP on Tuber crops, Hon'ble Vice Chancellor, Dr. T. Janakiram , Dr. L. Naram Naidu, Director of Research, Dr.YSRHU, Dr.S.Sunitha, Principal Scientist ICAR,CTCRI and Dr B Srinivasulu, Zonal Research Head, Coastal Zone I visited Experimental plots under ICAR-AICRP on Tuber crops at Dr.YSRHU - Horticultural Research Station, Kovvur on 5.12.2022 and interacted with the scientists.



Dr. M. Janaki, Scientist (Hort.) & Head, Dr. YSRHU - HRS, Peddapuram, attended the training programme on “**Improved technologies in tuber crops for enhancing farm income**” conducted by Dr. YSRHU – HRS, Kovvur under SCSP on 5th December, 2022 and delivered talk on “**Improved technologies of Cassava and Sweet potato**”, planted banana plant at HRS, Kovvur, as a part of DR.YSRHU - Yaer of Banana and received appreciation for the work done .

Twelve lines of *colocasia* collected by HRS, Kovvur from agency areas of Seethampeta were identified as short duration lines of 155-165 days duration .



Registration of Taro Variety under PPVFRA

DRYSRHU-HRS-Kovvur submitted the application for Registration of Taro variety Godavari chema under PPVFRA

Extension

VC to Village activities

The Scientists of Dr.YSRHU - CRS Petlur with the support of TVS Srinivasa Seva Trust, Venkatagiri conducted drawing competition on the eve of world soil day (December 5th) to school children at adopted Kurjagunta village and distributed prizes to winners. Further, awareness campaign was conducted on soil conservation to women farmers and distributed jack and jamun seedlings to them.



As a part of VC to village programme, Dr.A.Rajani, Dr.YSRHU - HRS, Lam, conducted field visit in Mothadaka, adopted village along with Dept officers and the RHWEP students on 13.12.2022.

On 15-12-2022, Dr. V. Anoosha, Scientist (Ento.) and Dr. G. Koteswara Rao, Research associate (Hort.), Dr.YSRHU - HRS, Ambajipeta, proceeded to Vakalagaruvu village and conducted awareness programme on “Kitchen Gardening & production and protection technology in Banana” in adopted Village under VC to Village programme & Dr.YSRHU year of Banana.



Scientists of Dr.YSRHU - HRS, V.R. Gudem conducted VC to Village program on the occasion of World Soil Day program at Pedatadepalli on 5.12.2022. Dr. P. Ashok, Senior Scientist (Hort.) Dr. M. Ravindra Babu, Senior Scientist (Hort.) Dr. T. Thomson, Scientist (Hort.) and Dr. N.V. Gowtham Deekshithulu, Scientist (Agrl. Engg.) explained about the procedure of soil sample collection from the field and analysis of sampling in the laboratory.

On 5th December, 2022, Dr.YSRHU - KVK, Pandirimamidi scientists, celebrated World Soil Day at Pedda Berampalli village and explained the importance of soil health and created awareness to farmers on indiscriminate usage of pesticides and inorganic fertilizers which show a great impact on soil health, flora and fauna and also explained the importance of soil tests. Farmers, students, ITDA PHO, MPTC of pedda Berampalli village attended the programme.



Training Programmes

On 01.12.2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr.YSRHU - KVK, Vonipenta, conducted a training programme on “Integrated Nutrient Management in Banana” to the farmers. Explained about indiscriminate application of inorganic fertilizers leads to decline soil fertility and will have its impact on soil beneficial microorganisms also stressed the usage of optimum utilization of inorganic fertilizers and organic nutrients (FYM and Vermicompost) along with biofertilizers (*Azospirillum*, *Azotobacter* and *Phosphate Solubilizing bacteria* etc) for sustainable yield in banana.



On 02.12.2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr.YSRHU - KVK, Vonipenta, conducted a training programme on “Bunch quality improvement in banana” at Setti-varipalle village, Mydukur Mandal. The scientist suggested the farmers to cover the banana bunches with polythene covers after 100 % shooting to protect the bunches from sunscald and thrips damage and suggested spraying of Arka banana special to the bunches to improve the yield and quality and to spray KH_2PO_4 to the bunches to prolong the shelf life of the bunch through reduction of ethylene production to reduce ripening when there is a glut in the market.



On 14.12.2022, Dr.Srividya Rani.N, Scientist and Head and Dr.S.Firoz Hussain, Scientist (Horticulture), Dr.YSRHU - KVK, Vonipenta, conducted orientation and interaction with the RHWEF students at KVK, regarding the activities to be done by them such as PRA techniques, Method demonstrations, weekly visit to host farmers fields, vocational trainings to be conducted etc.

Dr. E. Karuna Sree, Director of Extension, participated in the World Soil Day celebrations organized by KVK, Venkataramannagudem on 5-12-2022 at Tirumalam-palem village of Dwaraka Tirumala Mandal and explained about the sustainable management of soil and importance organic manures for enhancing productivity of horticultural crops and demonstrated preparation of organic formulations for management of various horticultural crops. Dr. K. Venkata Satish, Scientist (Hort.)Dr. T. Vijaya Nirmala, Scientist (Animal Husbandry), Smt . Lalitha Sudha, District Officer, APCNF staff and farmers participated in the programme.



On 12.12.2022, Dr.YSRHU - KVK, Pandirimamidi has conducted Awareness programme on “Azolla cultivation methods” at Suvarlawada village of Rampachodavaram mandal. Explained about importance of azolla in livestock animals and chicks and also azolla pit preparation methods. K. Veeranjaneeyulu Scientist (Fisheries) coordinated this programme along with 10 tribal fish farmers.





On 07.12.2022, Dr.YSRHU-Krishi Vigyan Kendra, Venkataramannagudem conducted one day training program on “Integrated Fisheries cum Poultry rearing” to rural women of Medisetivaripalem, Chinthalapudi mandal. In this, Sri Anil Kanth, DDM, NABARD, Eluru explained about livelihood entrepreneurship programs of agriculture and allied sectors under NABARD. Dr.E.Karunasree, Director of Extension, Dr.YSRHU has explained about importance of Integrated farming system in doubling the farmers income and Dr.T.Vijaya Nir-mala, Scientist (Veterinary Science) explained about Poultry feeding, health management, brooding management, measures to improve egg production, deworming and vaccination. In this Dr.V.Deepthi, Scientist (Agriculture Extension), SEVA NGO representative and women were participated.



On 02.12.2022 Dr.YSRHU- KVK, Periyavaram – organized Orientation cum Training Program on "Value addition of Banana for Nutrition & income generation" as part of Dr.YSRHU - Year of Banana - 2022-23 at Kampalem village of Venkatagiri (M), Tirupathi Dt. Dr.E.Karuna Sree, Director of Extension, Dr.YSRHU participated as chief guest and interacted with banana growing Women farmers oriented them on value addition of Banana, preparation of different products for nutrition like infant foods and therapeutic foods for different life style diseases like diabetes & also for income generation by Women groups, later visited Banana field of Women farmer Smt.K.Hemalatha in that village. Dr.B.GovindaRajulu, Principal Scientist and Head, KVK, Periyavaram addressed participants to utilise the technological interventions of Banana in this year from KVK, Periyavaram for getting additional income by women, rural youth and farmers. In this program APCNF team and MEPMA RPs participated, Dr.B. Vijayasree, Scientist (Home Science), KVK, Periyavaram coordinated the Programme.

Training Programme under SCSP of ICAR-AICRP on Tuber crops

A one day training programme on “**Improved Technologies in Tuber crops for enhancing farm income**” under SCSP, ICAR-AICRP on Tuber crops was organized at Dr.YSRHU-HRS, Kovvur under the chairmanship of Dr. T. Janakiram, Honourable Vice-Chancellor, Dr.YSRHU on 5.12.2022. Dr. L. Naram Naidu, Director of Research, Dr.YSRHU, Dr M.N Sheela Director (Acting), ICAR-CTCRI & Project coordinator, ICAR-AICRP on Tuber crops, Dr. S.Sunitha Principal Scientist ICAR, CTCRI and Dr B Srinivasulu, Zonal Research Head, Coastal Zone I, Sri V.Radha Krishna, District Horticultural Officer, all the Scientists of Dr.YSRHU - HRS, Kovvur, Horticultural officers, VHA's and farmers participated in the programme. The inputs like planting material of Gajendra, Micronol (Micro nutrient solution for elephant foot yam) *Trichoderma viride* and the plant protection chemicals were distributed to the SC farmers.



On 07.12.2022, I.Rajeevana Scientist (Soil Science), Dr.YSRHU - KVK, Priyavaram, conducted training programme at Petluru village of Venkatagiri mandal on the usage of liquid formulation to improve plant growth at kitchen gardens. In this programme explained them about the usage of kitchen waste water after fermenting for 3 days. Usage of onion peel fertilizer after fermenting for 2 days, usage of egg shell fertilizer which improve added calcium to plants, usage of banana peel fertilizer after fermenting for 2 days which add lot of micro nutrients and major nutrients especially Nitrogen to the soil. In the same day explained about the Tea decoction fertiliser, epsom salt usage to rose plant which improve the quality of flora. In this programme Dr. B. Vijayasree, Scientist (Home Science), PHC doctor, rural women participated.



On 07-12-2022, Dr. YSRHU- KVK, Periyavaram, Dr.B. Vijayasree, Scientist (Home Science) conducted Training Programme on Value addition of Millets to SHG women at Anganwadi centre, Petlur. The participants are enlightened 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 they trained on preparation of different value-added products with Finger millet. In this programme Child Development Project Officer (CDPO), Venkatagiri Sk. Shamshad begum, ICDS Supervisor Parimala, AW teacher Annapurna and PHC doctor & Health team participated.

Training programmes/ Conferences/ Workshops Attended

On 5.12.2022 Ms. S.M. Sailaja, Assistant Professor (Hort.), Dr.YSRHU - CoH, Chinnalataripi attended a training programme at State Bank of India, Regional Office, Kandukur as Resource person and explained about preparation of various value added products from Horticulture produce and employment opportunities in Horticulture sector to the farmers. The various processed products prepared in the ELP modules were shown to the farmers.



On 05.12.2022, Dr. B. Srinivasulu, Principal scientist and Head, Dr. YSRHU - HRS, Ambajipeta visited Dr. YSRHU – HRS, Kovvur and participated in training programme on latest technologies in Tuber crops under ICAR-AICRP on Tuber crops (SC subplan).

On 07-12-2022, Dr. V. Govardhan Rao, Scientist (Path.) and Dr. V. Anoosha, Scientist (Ento.), Dr.YSRHU - HRS, Ambajipeta, along with Mr. G. Shaliraju, Scientist (Ento.), KVK, VR Gudem, proceeded to coconut fields of VR Gudem and surrounding villages to conduct roving survey of coconut pests and diseases as per the proceedings of AICRP (Palms).



On 12/12/2022 Dr. NBV Chalapathi Rao, Principal Scientist (Ento.), Dr.YSRHU - HRS, Ambajipeta, Participated in farmers awareness programme on insect pests and disease management of chillies organized by Department of Horticulture, Kakinada at Durgada village

On 13/12/2022, Dr. NBV Chalapathi Rao, Principal Scientist (Ento.) Dr.YSRHU - HRS, Ambajipeta, participated in coconut farmers awareness programme organized by Coconut development board and Dept of Horticulture in Mori village of Dr. B. R. Ambedkar Konaseema district.



Dr M. Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU - KVK, VR Gudem, Dr. M. Harshitha, Scientist (SSAC), KVK, Vonipeta, Dr. Rajasekhar, Scientist (SSAC), KVK, Pandirimamidi and Dr. D.Thirupal, Scientist (Horticulture), KVK, Periyavaram participated in two days “Orientation cum training programme on Natural Farming” held at State Natural Farming Training Centre, Gurukul, Kurukshetra, Haryana, as a Nodal Scientist for Out-Scaling of Natural Farming project which was conducted by Ministry of Agriculture and Farmers Welfare, Government of India, ICAR-ATARI.

Dr M. Raghavendra Reddy, Scientist (SS&AC), Dr. M. Harshitha, Scientist (SSAC), Dr.YSRHU - KVK, Vonipeta, Dr. Rajasekhar, Scientist (SSAC), KVK, Pandirimamidi and Dr. D.Thirupal, Scientist (Horticulture), KVK, Periyavaram, on 03.12.2022, participated in one day “National Workshop on Natural Farming” at RVSKVV, Gwalior, Madhya Pradesh, as a Nodal Scientist for Out-Scaling of Natural Farming Project which was conducted by Ministry of Agriculture and Farmers Welfare, Government of India, ICAR-ATARI.



All the scientists of Dr.YSRHU - HRS, Lam, attended state level Ag-Tech, 2022 Conference & Exhibition on latest Agriculture technologies held from 3rd to 5th December, 2022 at RARS, Lam organized by ANGRAU, Lam. Exhibition stall of Dr.YSRHU was arranged exhibiting various products from horticultural produce and scientists also participated in farmer scientist interaction. Dr.E.Karuna Sree, Director of Extension, Dr.YSRHU and Sri. G. Shali Raju, Scientist (Ento.), KVK, V.R.Gudem participated and arranged exhibition stall in Agritech - 2002 Conference and Exhibition on Latest Agriculture Technologies organized by ANGRAU at RRAS,Lam,Guntur from 03.12.2022 to 05.12.2022.



Dr. J. Phani Kumar, Scientist (Hort), Dr.YSRHU - HRS, Lam, attended farmers training programme on “Pest and Disease Management of chilli” at Ananthavarapadu village, Vatticherukuru (M), Guntur District, organized by Spice Board, Guntur on 13.12.2022



Smt T.Vijaya Lakshmi, Senior Scientist (Path), Dr.YSRHU - HRS, Lam, attended farmers training programme at G.G.Palem of Pedanandipadu mandal Thota badi programme in Gottipadu in Guntur district on 7-7 -2022 organised by Dept. of Horticulture.

On 14.12.2022 Dr. S. Adarsha, Scientist(Entomology) from Dr.YSRHU - Krishi Vigyan Kendra,Pandirimamidi attended as resource person for training program on cultivation practices of cashew and Horticultural crops organised by ITDA, Rampachodavaram at Kota village Y.Ramavaram mandal. Explained about cashew, ginger and turmeric cultivation practices in the program. Sri Rambabu PAO,ITDA, Rampachodavaram, 45 farmers and staff of ITDA Rampachodavaram participated in the program.





On 05.12.2022, Dr.Srividya Rani N, Scientist and Head Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr.B.S. Kanthi Sri (Home science) from Dr.YSRHU - KVK, Vonipenta and Sri. Gangaiah, Sri. Gouz, Grow more Company managers participated in the program. Program started with the introductory speech by Dr. Srividya Rani N. Scientist and Head explained the farmers about the importance of the soil health and how to control soil pollution. Dr.S. Firoz Hussain explained about how green revolution led to soil pollution by using heavy doses of fertilizer for more yields. Dr.B.S. Kanthi Sri explained the farmers regarding plastics contamination in soil and importance of using cloth bags to reduce it. Sri. Gangaiah explained the farmers about the use of natural fertilizers in combination with products from Growmore for less use of chemical fertilizers. Sri. Gouz explained about the importance of natural farming techniques and advantages of natural farming. Sri Muniiah from NGO also participated in the event. Quiz programme was conducted to the farmers by growmore on benefits of natural farming. After this soil health cards distributed to the 25 farmers. Total 40 farmers participated in the event and Program ended with the vote of thanks by Dr.B.S. Kanthisri.

On 15.12.2022, Dr. K. Radha Rani, Principal Scientist (Hort.), Dr.YSRHU - MRS, Nuzvid, attended the training programme on organic cultivation of mango at Kondaparva, NTR District conducted by K.S. Academy and explained the organic practices of mango cultivation and control of pests and diseases.

On 12-12-2022, Dr.YSRHU - MRS, Nuzvid, Dr. G. Sravanthi, Scientist (Ento) attended webinar on Quality control, testing and handling of honey organized by Integrated Bee keeping development centre, Ramnagar.

On 15.12.2022& 16.12.2022, Dr. G. Sravanthi, Scientist (Ento.), Dr.YSRHU - MRS, Nuzvid, attended ICAR – NBAIR, 7th NCBC 2022 conference on Biological control organised by ICAR – NBAIR, Bengaluru.

On 07-12-2022, as resource person Dr. K. Radha Rani, Principal Scientist (Hort.), Dr.YSRHU - MRS, Nuzvid, attended the Farmer training programme on mango conducted by Department of Horticulture at Avanigadda and PathaMallavalli villages, Krishna District along with Smt. Jyothi, District Horticulture officer and explained the Pest & Disease Management practices during flowering and fruit development stages of mango.



Dr.E. Karuna Sree, Principal Scientist & Head along with all scientists of Dr. YSRHU - Krishi Vigyan Kendra, Venkataramannagudem, participated in the meeting on celebrations of International Year of Millets 2023 conducted by the ICAR, New Delhi on 15 December 2022. In this program, Dr Himanshu Pathak, Director General, ICAR, participated as Chief Guest and Dr.Subha Thakur, Joint Secretary, Ministry of Agriculture and Farmers Welfare, New Delhi has explained about the importance of millets and activities implemented by the Ministry and requested the ICAR to extend the activities and awareness on the Millets. The Director General, ICAR has given the action plan of Millets for this international year of Millets.



On 03-12-2022, Dr. T. Kranthi Kumar, Scientist (Horticulture), Dr. YSRHU - Krishi Vigyan Kendra, Pandirimamidi has attended as resource person to the training programme on package of practices in cashew and vegetable crops organized by ITDA, Rampachodavaram at Pedda Beerampalli village, Rampachodavaram mandal, Alluri Seetha Ramraju district.

Explained about management practices in cashew and vegetable crops.

Students of CoH, parvathipuram were allotted to KVK Venkataramannagudem for Rural Horticulture Work Experience Programme - 2022. On 6 December 2022 Dr.E.Karuna Sree, Principal Scientist and Head, Dr.V.Deepthi, Scientist (Agril. Extension) conducted Orientation class to students about RHWEPP and placed at Singarajupalem, marlamudi villages of Nallajerla Mandal, West Godavari Dist., and explained briefly about the activities to be carried out in the out coming weeks.



Diagnostic visits

Smt T.Vijaya Lakshmi, Senior Scientist (Path), Dr. YSRHU - HRS, Lam, attended diagnostic field visit along with scientists of IIHR, officers of Dept of Horticulture for monitoring of black thrips incidence in Vatticherukuru, Prattipadu, Gottipadu and Pedanandipadu surrounding chilli fields on 7.7.2022



On 01.12.2022 Sri. G. Shali Raju, Scientist (Ento.), Dr. YSRHU - KVK, V.R.Gudem conducted diagnostic visit to guava and black gram fields and observed fruitfly, tea mosquito bug and canker infestation in guava, yellow mosaic virus in black gram and suggested suitable remedial measures.

On 09.12.2022 Sri. G. Shali Raju, Scientist (Ento.), Dr. YSRHU - KVK, V.R.Gudem conducted diagnostic visit to guava and vine vegetables fields and observed tea mosquito bug and rust infestation in guava, mite infestation in dolichos bean and suggested suitable remedial measures.



On 13.12.2022 Sri. G. Shali Raju, Scientist (Ento.), Dr. YSRHU - KVK, V.R.Gudem conducted diagnostic visit to chilli fields in Chinnatadepalli and Venkataramannagudem villages and observed black thrips incidence and suggested remedial measures.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), Dr. YSRHU - KVK, Venkataramannagudem conducted diagnostic visit to the fish and shrimp farmers fields at Jaganathapuram, Argallu and Kothuru and recommended the biosecurity, water quality management, feed management and health management requirement suggested to the farmer on 14 December 2022.



On 02.12.2022, Dr. YSRHU - KVK, Periyavaram scientists conducted diagnostic field visit in Black Gram - TBG-104 variety (CFLD-Pulses, Rabi programme) at adopted village Arimenupadu (VC to Village Programme). Observed leaf spot disease and suggested remedial measures. Dr.E.Karunasree, Director of Extension, Dr.YSRHU interacted with the farmers and enlightened the importance of CFLD Pulses programme and suggested the farmers to

keep the seed for next year and later, distributed Yellow sticky traps and blue sticky traps for control of white flies and thrips along with neem oil to farmers.

On 13/12/2022, Dr. YSRHU - KVK Periyavaram, scientists conducted Diagnostic Field visit in Acid Lime orchards of Dakkili mandal. Due to effect of heavy rains caused by Mandus cyclone, Acid lime orchards were found submerged and suggested suitable remedial measures.



On 14/12/2022, Dr. YSRHU - KVK Periyavaram, scientists conducted Diagnostic Field visit in Banana and Acid lime orchards at Kotambedu village, Balayapalle mandal, Tirupati Dist. Observed nutrient deficiency symptoms and suggested suitable remedial measures.



On 08-12-2022, Dr. YSRHU - MRS, Nuzvid, Scientists conducted Diagnostic Field visit in Mango at Sitarampuramthanda, observed disease affected trees and recommended pruning, fertilizer application followed by spraying of COC @ 3g/lit + Streptocyclin @ 0.6g/lit.

OFTs

On 01.12.2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. YSRHU - Krishi Vigyan Kendra, Vonipenta made a follow up visit to OFT on "Introduction of onion variety NHRDF Advance Line - 883" and observed that the age of the crop is 3 months and recorded data (plant height and number of leaves per plant) and suggested the farmer to avoid water logging in onion.



On 13-12-2022, Dr. M. Harshitha, Scientist (SSAC), Dr. YSRHU - KVK, Vonipenta, initiated OFT on Introduction of Groundnut high yielding variety Kadiri Lepakshi (K 1812) at KVK, Vonipenta. With respect to the initiation of OFT two groundnut varieties Kadiri Lepakshi (K 1812) and Nitya Haritha TCGS-1157 seed distributed to the farmers. Dr. Srividya Rani N, Scientist and Head (Extension) Dr. S. Firoz Hussain, Scientist (Horticulture), participated in the providing seed to the farmers.

On 06.12.2022, Dr. N. Srividya Rani, Scientist and Head, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. B.S. Kanthi Sri, Scientist (Home Science), Dr. YSRHU - KVK, Vonipenta provided coriander varieties Sustira and Suguna to the farmers as a part of OFT on "Assessment of Coriander variety - Sustira and Suguna".



On 12-12-2022, Dr. Venkata Satish Kuchi, Scientist (Hort) and Dr. K. Venkata Subbaiah, Dr. YSRHU - KVK, Venkataramannagudem identified farmers and distributed chilli planting material to farmers of West Rekula-kuntla village of Buttaigudem mandal under OFT "Assessment of chilli var. Arka Gagan" as a part of technical programme of work.

FLDs

On 01.12.2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. YSRHU - Krishi Vigyan Kendra, Vonipenta provided the packets of Agromin Mix a micronutrient mixture to ten farmers as a part of Front Line Demonstration on “Demonstration of soil test based fertilizer application in banana” for improving the yield in banana.



On 06.12.2022, B. S. Kanthi Sri, Scientist (Home Science), Dr. N. Srividya Rani, Scientist and Head, and Dr. Firoz Hussain, Scientist (Horticulture), Dr. YSRHU - Krishi Vigyan Kendra, Vonipenta conducted Front Line Demonstration on preparation of tomato varugulu and tomato powder making in three methods viz. drying in solar drier, open sun drying and electric oven drying. The quality and time will be measured in means of colour, taste and shelf life under normal storage conditions.

On 14.12.2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. YSRHU - Krishi Vigyan Kendra, Vonipenta made a follow up visit to FLD “Application of Arka banana special and KH_2PO_4 for higher yields in banana” and collected data on number of fingers per hand, hands per bunch and number of fruits per bunch.



On 24-12-2022, Dr. T. Kranthi Kumar, Scientist (Horticulture) and Dr. N. Chiranjeevi Scientist (Plant Pathology), Dr. YSRHU - Krishi Vigyan Kendra, Pandirimamidi, conducted follow up visit to brinjal fields at Pedda Geddada village of Rampachodavaram mandal as a part of FLD on “Demonstration of foliar application of Arka vegetable special in brinjal”. Scientist noticed crop at floral stage and advised good agriculture practices in brinjal.

CFLDs

Dr V.Deepthi, Scientist (Agril extension), Dr. YSRHU - KVK Venkataramannagudem, conducted field day in black gram variety TBG 104 under cluster frontline demonstration on pulses for the year 2022-2023 at Nachugunta village of Ungaturu mandal on 8.12.22.



Dr V.Deepthi, Scientist (Agril extension), Dr. YSRHU - KVK Venkataramannagudem conducted training programme on black gram cultivation on 9.12.2022 later on blackgram seed and bio fertilizers distributed to the Devarapalli cluster farmers under cluster frontline demonstration on pulses under NFSM for the year 2022-2023.

Awards

Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. YSRHU - CRS, Tirupati received Abdul Kalam Best Scientist Award from the Hands of Dr. S. Vatsal, Retd. Director & Scientist, DRDO, NASA scientist on 11-12-2022 at Padmavati Mahila Visvavidyalayam, Tirupati organized by SRK educational Society.



Phone in live/TV/Radio programmes:

TV programme was given by Dr. K. Radha Rani, Principal Scientist (Hort.) and Dr. G. Sravanthi, Scientist (Ento.), Dr. YSRHU - MRS, Nuzvid, on "Measures to be taken during flowering and fruiting in mango" recorded by 10tv on 5.12.2022.

Other important events

Dr.E. Karuna Sree, Director of Extension, Participated in Agri-tech-2022 organized by ANGRAU, Guntur and delivered a lecture on "Agri-Horti Systems" on 04.12.2022, as a part of the technical session.



Dr. YSRHU-TTD dry flower technology value added products were exhibited during the visit of **Smt. Droupadi Murmu, President of India** on 05.12.2022, during her visit to Tirupati and madam interacted with skill trained women and appreciated Dr. YSRHU successful women empowerment project operated at CRS, Tirupati with applause. Sri. K. Narayana Swamy, Deputy Chief Minister of Andhra Pradesh, Sri. G.



Kishan Reddy, Minister of Tourism, Culture and Development, Smt. Roja, Hon'ble Minister of Tourism Development, Culture and Youth advancement of Andhra Pradesh, Sri. K. Venkata Ramana Reddy, District Collector, Tirupati, Prof. D. Jamuna, Hon'ble Vice-Chancellor, Sri Padmavati Mahila University and other officers were present. Dr. R. Nagaraju, Principal Scientist (Hort) & Head, CRS, Tirupati, Member – Convenor and Dr. Gopi, Tech. Asst. CRS, Tirupati coordinated the programme

General

Dr.T.Janakiram, Hon'ble Vice Chancellor, DrYSRHU visited HRS and QTC, Lam and reviewed ongoing activities on 5-12-2022



Exposure visit

Students from Department of PSMAC and Soil Science, College of Horticulture, UHS Campus, GKVK, Bengaluru, visited QTC, HRS, Lam on 5.12.2022 as the part of their study tour (PGS 507& 607). Dr. Y.Kavya Scientist (Microbiology) explained about the different equipments in all the labs.

Dr. A. Radhika Ramya and Dr. Y.Kavya Scientist (Microbiology), Dr. YSRHU - HRS, Lam, attended Faculty development Programme on "Quality writing of Research Projects and Publications" organized by Hindustan Agricultural Research Institute, Faculty of Agricultural Science, SGTU, Gurugram from 12th to 16th December 2022.

On 3-12-2022, Students of MPM Agricultural Polytechnic ANGRAU, S. Moolapolam visited HRS, Ambajipeta. The scientists of Dr. YSRHU - HRS, Ambajipeta explained in detail about the research station activities and biocontrol based management of pests and diseases in coconut.



Dr. BMC Reddy, former Vice-Chancellor, Dr.YSRHU visited Dr.YSRHU-CRS, Tirupati on 15.12.22 and interacted with RHWEP students of CoH, AR Peta and also visited information centre.

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