



Fortnight Focus

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From Vice-Chancellor's Desk

India is called as “Land of diversity” with huge religious, cultural and linguistic diversity. Tribal people are one among the diversified population who constitute 8.6% (104 million) of the total population and 705 ethnic groups that are recognised as Scheduled Tribes. Most of the tribes are characterised by hunger, poverty and nutrient disorders which are threatening their existence. The need of the hour is to protect these tribes, who are key stakeholders of indigenous knowledge.

Dr.YSR Horticultural University, having realised the role of tribal's for socio-economic development and cultural perpetuation of our country, organized “National conference on tribal horticulture”, with an objective to address the multiple challenges of ending poverty, improving nutrition and sustaining tribal communities in the developing world. The conference was organized with an intention to create an opportunity to the young scientists working on horticultural crops in tribal areas across the country to discuss the priorities in research, extension and developmental interventions that aid in curbing food & nutritional insecurity and for doubling the income of tribal farmers, youth and women

National Conference was organized with four themes

Horticulture for economic and livelihood security in tribal areas

Nutritional security in tribal areas through ethnic and underutilized vegetables & fruits

Biodiversity in Tribal Horticulture

Women empowerment and entrepreneurship development through Tribal Horticulture.

A total of 153 scientists working in various institutes across the country registered and participated in the conference representing Central Universities (15), ICAR institutes (9) and State Horticulture/ Agriculture Universities (13) and contributed 101 research abstracts on tribal horticulture.

30/10/22

Dr T.Janakiram
Vice-Chancellor

The Events

National Conference on “Tribal Horticulture”

Dr.YSR Horticultural University organized National Conference on “Tribal Horticulture” in hybrid mode from 17th to 18th October, 2022 under the chairmanship of Dr.T.Janakiram, Vice-Chancellor, Vice-chairman, Dr.B. Srinivasulu, Principal Scientist & Head, Dr.YSRHU-HRS, Ambajipeta and Organizing Secretaries Dr. E.Karunasree, Principal Scientist & Head, Dr.YSRHU-KVK, V.R.Gudem and Dr.P.Lalitha Kameswari, Principal Scientist & Head, Dr.YSRHU-KVK, Pandirimamidi.



Dr.E.Karuna Sree, Director of Extension, Dr.YSRHU & Organizing Secretary extended hearty welcome to all the dignitaries and delegates. Dr.B.Srinivasulu, Principal Scientist & Head, Dr.YSRHU-HRS, Ambajipeta & Vice-Chairman reported that the research abstracts (101) representing Central Universities (15), ICAR institutes (9) and State Horticulture/Agriculture Universities (13) were received for the conference.

Dr.B.Srinivasulu, Registrar, Dr.YSRHU & University Officers of Dr.YSRHU namely Dr.L.Naram Naidu, Director of Research, Dr.A.S.Padmavathamma, Dean of Horticulture, Dr.D.Venkataswamy, Controller of Examinations, Dr. Dr.S.Surya Kumari, Dean of PG Studies, Dr.K.Dhanumjaya Rao, Director of Industrial & International Programmes, Dr.D.R.Salomi Suneetha, Dean of Student Affairs, Sri. K. Mallikharjuna Rao, Estate Officer and Ms.S.Sasikala, Comptroller expressed their remarks for successful conduct of the programme.

Dr.A.Vishnuvardhan Reddy, Vice-Chancellor, ANGRAU and Dr. R. K. Mathur, Director, IOPR participated as chief guests. Dr. Anitha, Principal Scientist & Officer-incharge, NBPGR, Hyderabad and Dr J. Tulasiram, Principal Scientist, UAS, Raichur were the special guests of honour for the conference and also presented their experiences in tribal development through horticulture as lead



talks.

Organized Tribal Horticulture Exhibition by Dr.YSRHU-KVKs, Venkataramannagudem and Pandirimamidi by involving the tribal farmers and women entrepreneurs on the occasion of National Conference on “Tribal Horticulture” on 17th and 18th October 2022. A special cultural programme by depicting the tribal farming seasons and festivals was organized by the tribal farmers and women from Srikakulam district on 17 October 2022 during National Conference on “Tribal Horticulture” at Dr.YSRHU campus. Dr.P.Lalitha Kameswari, Principal Scientist & Head, Dr.YSRHU-KVK, Pandirimamidi & Organizing Secretary, extended vote of thanks for successful conduct of national conference of Tribal Horticulture.



Dr.T.Janakiram, Hon’ble Vice-Chancellor, Dr.YSRHU & Chairman of the national conference released the ‘SOUVENIR & BOOK OF ABSTRACTS’ during inaugural session. In his key note address he stressed the importance of horticulture sector in Tribal areas as one of the growth engines with a focus to increase production, productivity and quality of various horticulture crops. He opined that the national conference on “Tribal Horticulture” is a unique one through which the Horticulturists exchange views in single platform and identify new researchable issues on Tribal Horticulture.



National Conference on “Tribal Horticulture” was held under four (4) themes namely

- Horticulture for economic and livelihood security in tribal areas.
- Nutritional security in tribal areas through ethnic and underutilized vegetables and fruits.
- Bio-diversity in Tribal Horticulture.
- Women empowerment and entrepreneurship development through Tribal Horticulture.

The Tribal Horticulture conference was conducted in six concurrent technical sessions. All the Lead presenters, Chairmen, Co-chairmen and Rapporteurs have organized and completed within the stipulated time. Also evaluated all the oral presentations and selected two best presenters from each session as per the standard score card.



Best Oral Presentations during National Conference on “Tribal Horticulture”

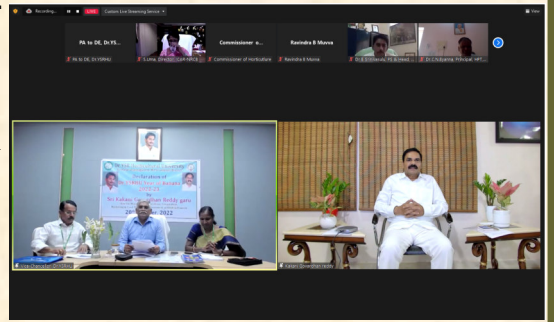
Rank	Name & Address	Title
I	Puttapalli Raja Sekhar, Scientist (SS&AC), KVK-Dr.YSRHU, Pandirimamidi	On-Farm Assessment on Soil Test based Nutrient Management in Chilli in Flood Prone Area of Alluri Seetharamaraju District of A.P.
II	Dr.K.Mayuri, Technical Officer to Director of Extension, Dr.YSRHU	Integrated Farming System – A success story of a tribal farmer in Buttayagudem mandal in West Godavari District of Andhra Pradesh

THEME-1 Session-1

Rank	Name & Address	Title
I	Dr. K. Ravindra Kumar, Senior Scientist (Horticulture), Dr.YSRHU	Creating Economic and Livelihood Security to Tribal Horticultural Farmers of HAT Zone by Rehabilitating Endangered Native Banana cv. Amrutapani (AAB)
II	Dr. Gali Basavaraj, Deputy Director, Centre of Excellence for Farmer Producer Organizations	Livelihood status of tribal farmers rehabilitated from Nagarhole Tiger Reserve Area in Karnataka
I	Dr. M. R. Rohini, Scientist, ICAR-IIHR, Bengaluru	Nutritional profiling of Gotu kola (<i>Centella asiatica</i>): A potent underutilized green leafy vegetable for Tribal horticulture
II	Dr. P. Ashok, Senior Scientist,Dr.YSRHU	Improvement in Jackfruit to combat hidden hunger in tribal communities of Andhra Pradesh
	Dr. T. Thulasi Ram Reddy, Assistant Professor, Dr. Y.S.R. Horticultural University	Substitution of nitrogen through organics and foliar spray of water soluble fertilizers on micronutrient status of a soil and economics of chilli in a vertisol
I	Dr. Mamatha Kathimanda, Principal Scientist, Dr YSR Horticultural University	Tropical tuber crops for food nutrition and livelihood security of tribal farmers in Eastern Ghats of Andhra Pradesh
II	Dr. T. Naga Lakshmi, Scientist,Dr.YSRHU	Role of medicinal plants in health management of Tribal people in Andhra Pradesh -A Review
I	Adheena Ram A, Assistant Professor, Kerala Agricultural University	Conservation and utilization of horticultural biodiversity by the tribal and indigenous communities of Kerala – Case studies
II	K. Veeranjanyulu, Scientist, Dr.YSRHU-KVK, Pandirimamidi	Impact of Cage Culture in Bhupathipalem Reservoir on the Livelihood of Tribal Fishers of Rampachodavaram Division in Alluri Seetharamaraju District
I	Dr.A. Devivaraprasad Reddy, Scientist, Dr.YSRHU-KVK, Venkataramanagudem	Aquaculture cum Poultry cum Horticulture Integrated Farming System for income generation and entrepreneurship development
II	Dr. P. C. Vengaiah, Senior Scientist, Dr YSR Horticultural University	Tribal empowerment through Palmyrah sap and sap based products in agency area of Andhra Pradesh

Declaration Dr.YSRHU Year of Banana 2022-23

Sri Kakani Govardhan Reddy garu, Hon'ble Minister for Agriculture, Cooperation, Marketing & Food Processing, Government of Andhra Pradesh announced the year 2022-23 as "Dr.YSRHU Year of Banana 2022-23" and its Logo on 20 October, 2022 in the august presence of Dr.T.Janakiram, Vice-Chancellor, Dr.S.S.Sreedhar, IFS, Commissioner of Horticulture, Dr.S.Uma, Director, ICAR-NRCB and all the university officers. All the 42 institutions under Dr.YSRHU were involved and year round activities on banana as action plan was also announced on this occasion.



Inaugurations

On 28 October 2022, "Farmers Hostel" at Dr.YSRHU-KVK, Periyavaram, Processing & Value Addition Unit at Dr.YSRHU-KVK, Pandirimidi (virtually), Office cum Laboratory & Farmers Training Centre at Dr.YSRHU-HRS, Chintapalli (Virtually), Processing Unit at Dr.YSRHU-PHTRS, V.R.Gudem (Virtually) and Office cum Laboratory Building at Dr.YSRHU-HRS, Mahanandi (Virtually) were inaugurated by Sri. Kakani Govardhan Reddy, Hon'ble Minister of Agriculture & Cooperation & Marketing, Govt. of Andhra Pradesh in



the presence of Dr.T. Janakiram, Hon'ble Vice-Chancellor. Sri.Anam Ramanarayana Reddy, Hon'ble MLA, Venkatagiri constituency delivered presidential address and appreciated the efforts of Dr. YSRHU for the farming community. Later the Chief guest of the program Sri. Kakani Govardhan Reddy Hon'ble Minister of Agriculture & Cooperation & Marketing, Govt. of Andhra Pradesh, in his address acknowledged the contributions of Dr. YSRHU in teaching, research and extension divisions and suggested to focus on horticulture as one of the employment generation sector in A.P for the up-



coming generations. All the scientific team of Dr. YSRHU - CRS, Petlur, CRS, Tirupathi & KVK, Periyavaram extended their support through participation and coordination in different committees for organizing the program. Dr.E.Karuna Sree, Director of Extension coordinated the programme. Dr.B. Govindarajulu, Principal Scientist & Head proposed vote of thanks for participation in the program and for making it a grand success.

On 30 October 2022, Hon'ble Vice-Chancellor Dr. T. Janakiram in the presence of Dr. B. Srinivasulu, Registrar, Dr. A.S. Padmavathamma, Dean of Horticulture, Dr. S. Surya Kumari, Dean of PG studies and Sri. M.V. Mallikarjuna Rao, Estate officer and Dr. K. Gopal, Associate Dean, Dr.YSRHU-CoH, Anantharajupeta inaugurated the sports complex for the benefit of students and staff of CoH, Anantharajupeta.



Global Connect Series

Dr.YSRHU Global Connect Series with the title “Scientists participation and experiences in 4th International Conference on Global efforts on Agriculture, Forestry, environment and Food Security” at Institute of Forestry, Tribhuvan University, Pokhara, Nepal was conducted under the chairmanship of Dr. T. Janakiram, Hon’ble Vice-chancellor on 31 October 2022. Dr.E.Karuna Sree, Director of Extension & Principal Scientist & Head, Dr.V.Deepthi, Scientist and Dr.A.Devivaraprasad Reddy, Scientist, Dr.YSRHU-KVK, V.R.Gudem as guest speakers shared their experiences. All university officers, scientists / teachers and students of Dr.YSRHU participated and Dr.K.Dhanumjayarao, DIIP, Dr.YSRHU co-ordinated the programme.



Accreditation Success Meet

On 27 October 2022, Dr.YSRHU-CoH, Chinalataripi organized success meet for achieving ICAR- NAEAB Accreditation with Grade- A for the period of 28.03.2021 to 27.03.2026. Dr. T.Janakiram, Hon’ble Vice- Chancellor, Dr. YSRHU graced the occasion and distributed certificates and mementos to the teaching and non- teaching staff. Dr. A.S. Padmavathamma, Dean of Horticulture, Dr. B. Srinivasulu, Registrar, Dr. S. Surya Kumari, Dean of PG



studies, Sri. M.V. Mallikarjun, Estate officer, Dr. Anuradha, Principal Scientist and Head (CTRI, Kandukur), Dr. S.S. Vijaya Padma, Associate Dean, all the staff and students attended the programme. Dr.YSRHU logo depicted by the students of COH, Chinalataripi



Accreditation success meet at Dr. YSRHU-CoH Anantharajupeta was organized by Dr.K.Gopal, Associate Dean on 30 October 2022. Dr.T.Janakiram, Hon’ble Vice-Chancellor, Dr.B.Srinivasulu, Registrar, Dr.A.S. Padmavathamma, Dean of Horticulture, Dr. S.Surya Kumari, Dean of PG studies and Sri. M.V. Mallikarjuna

Rao, Estate officer graced the occasion. The Hon’ble Vice- Chancellor, Dr.T.Janakiram addressed the gathering as chief guest and congratulated all the staff for getting ICAR-NAEAB Accreditation Grade-A for the period 28th March, 2021-27th March, 2026. The Zonal Research Head of Rayalaseema region Dr.K.T.Venkataramana, Principal Scientist & Head, HRS, Anantharajupeta also participated.

Dr. K.Gopal, Associate Dean, College of Horticulture, Anantharajupeta presented the brief report along with video on glory of CoH, Anantharajupeta.



On this occasion, the Hon'ble Vice Chancellor, Dr.T.Janakiram, Dr. YSR Horticultural University presented appreciation certificates to teaching, non-teaching staff and scientists of HRS, Anantharajupeta for rendering valuable service for getting accreditation to the College. Dr.M.Siva Prasad Prof.(Horti) welcomed the university officers and gathering of staff and students, Dr.Syed Sadarunisa, Professor (Hort.), Dept. of Vegetable Science coordinated the meeting and Dr.K.Swarajyalakshmi, Prof.(Horti) presented formal of vote of thanks.



Certificate course on 'Organic farming in horticultural crops'

Valedictory session of Certificate course on 'Organic farming in horticultural crops' was organized on 22 October 2022 at HBIC, CoH, VRGudem. The chief guest of the programme, was Dr.T.Janakiram, Hon'ble Vice Chancellor, Dr.YSRHU addressed the participants and congratulated them for successful completion of three months certificate course. Programme was graced by Dr.A.S.Padmavathamma, Dean of Horticulture; Dr.S.Surya Kumari, Dean of PG Studies; Dr.K.Dhanunjay Rao, Director of Industrial and International Programmes and Dr.D.R.Salomi Suneetha, Dean of Student Affairs. The programme was organized by the Course Directors Dr.E.Karuna Sree, Director of Extension and Dr.R.V.Sujatha, Associate Professor (Ag Economics). Certificates were distributed to the nine successful trainees of this course.



Education

Vigilance Awareness Week

The "Vigilance Awareness Week" from 31st October to 6th November, 2022 was observed at Dr. YSRHU, CoH, Anantharajupeta with the theme "भ्रष्टाचारमुक्तभारत – विकसितभारत" "Corruption free India for a developed Nation". Dr. K. Gopal, Associate Dean, addressed the gathering and highlighted the importance of E-governance, and systemic changes in procedures, minimal discretion, reduced public interface, technology based procurement and automation in reducing corruption. All the staff and students took "Integrity Pledge for Citizens". NSS Programme Officers, Dr.Lalitha Kadiri, Associate Professor (Agro) and Dr. Y. Deepthi Kiran, Assistant Professor (Agro) coordinated the programme.



Rashtriya Ekta Diwas

Dr.YSRHU-CoH, VRGudem NSS Cell celebrated Rashtriya Ekta Diwas (National Unity Day) commemorating the Birthday celebrations of Sri Sardar Vallabhai Patel by paying tributes,taking Unity Pledge and doing Unity walk on 31 October 2022.



“Rashtriya Ekta Diwas” / “National Unity Day” was celebrated with great fervor to mark the 147th birth anniversary of Sardar Vallabhbhai Patel, who is also known as the Iron Man of India at Dr. YSRHU-CoH, Anantharajupeta. NSS volunteers along with teaching staff participated in the 2 Km “RUN FOR UNITY” programme conducted by Annamayya District Police on 31st October, 2022. NSS Volunteers E. Ganesh and L. Akash Reddy secured first and second places respectively among boys and K. Jyothi Lakshmi secured third place among girls. Also E. Ganesh secured ninth place in 5 km Marathon event organized at Proddutur with the support of Vundela Ramanadha Reddy, first Iron Man title winner from IRS Officers and was awarded a certificate and medal. Further rich floral tributes were paid to Sardar Vallabhbhai Patel by staff and students of CoH, Anantharajupeta. Dr. K. Gopal, Associate Dean, gave message and felicitated the winners in marathon by presenting Udyana Panchangam. Staff and Students took “Rashtriya Ekta Diwas Pledge” and congratulated all the winners. NSS Programme Officers, Dr. Lalitha Kadiri, Associate Professor (Agro) and Dr. Y. Deepthi Kiran, Assistant Professor (Agro) coordinated the programme.



On 31 October 2022, National Unity Day was conducted at Dr. YSRHU-CoH, Chinalataripi. In this programme NSS volunteers organized run for unity, walk for unity and unity pledge along with Quiz competition about Sri Sardar Vallabhbhai Patel and Prizes was distributed to students by Dr. S.S. Vijaya Padma, Associate Dean. All the Staff and Students participated in the programme. Dr. Y. Yohan, Programme Officer, NSS Unit coordinated the programme.

Clean India 2.0 programme

Clean India 2.0 programme was conducted at Dr. YSRHU, CoH, Anantharajupeta from 19 to 31 October 2022. During this programme Dr. K. Gopal, Associate Dean, Dr. Lalitha Kadiri, Associate Professor (Agro.) and NSS Programme Officer, Unit-I, other teaching and non teaching staff and NSS volunteers collected 1.5kg of plastic waste per person and disposed the same safely.



On 19 October 2022, a Programme on “Clean India 2.0” was conducted by NSS cell at College of Horticulture, Chinalataripi. In this programme NSS volunteers collected plastic waste around the college and hostel premises and handed over to Panchayat Office, Oguru. Dr. S.S. Vijaya Padma, Associate Dean, staff and all the students participated in the programme. The programme was coordinated by NSS Programme officer Dr. Y. Yohan, Assistant Professor (Plant Physiology).

A P Educational Tour

Dr YSRHU, College of Horticulture, VRGudem, B.Sc (Horti) 2nd year students (160 nos.) proceeded for AP Study tour from 23.10.22 to 27.10.22. Tour leaders are Dr.E.Padma, Assoc. Prof. (Hort.), Dr.P.Vinay Kumar Reddy, Asst. Prof. (Hort.), Dr.U.Siva Kumar, Asst.Prof. (Soil Science), Ms Udaysree, Asst. Prof.



(Entomology). Dr.T.Janakiram, Hon'ble Vice- Chancellor, Dr. YSRHU flagged off the program and Dr DR Salomi Suneetha, Dean of student affairs, Dr YSRHU and Dr M Madhavi, Associate Dean, COH, VRGudem wished the students for a successful and meaningful trip. The students visited Dr.YSRHU-HRS, Chintapalli, Lam, Guntur, Mahanandi, Anathapur, and CoH, Anantharajupet and HRS, Tirupathi. The trip was fruitful as the students were imparted with technical knowledge.



Dr.YSRHU-CoH, VRGudem M.Sc & PhD (Horti) students of Vegetable Science & Floriculture departments (27 members) have proceeded to North India Study tour on 26 October 2022 to see and learn from most prestigious Institutions of India viz., IARI New Delhi, PAU Ludhiana, Jakeer Hussain Rose garden, Rock garden, Japanese garden, Chandigarh, CPRI Shimla, Manali, Vihar garden, Agra

Taj Mahal gardens. Dr. T. Janakiram garu, Honourable Vice-Chancellor, Dr. YSRHU flagged off the program and wished the students for a safe and successful trip to acquire a keen understanding on the technology and crops.

Students of II year B.Sc (Hons.) batch 2020 of Dr.YSRHU-CoH, Anantharajupeta along with Dr. B. Hari Vara Prasad, Asst. Professor (GPBR), Dr. N. Vinod Kumar, Asst. Professor (Hort.) and Mrs Asma Siddiqua, Asst. Professor (Hort.) visited Dr.YSRHU-Cashew Research Station at Bapatla, ICAR-IIOPR at Pedavegi, Dr. YSRHU-Centre of Excellence on Protected Cultivation at VRGudem, Dr. YSRHU-HRS at Amabajipeta, Dr.YSRHU-HRS at Chintapalli, NGO-KVK at Elamanchili, Apiculture unit at Araku and strawberry fields and coffee plantation of a progressive farmer at Chintapalli as a part of AP Educational Tour from 25 to 31 October 2022 and perceived various research on going activities and crops.



ELP Activities



ELP 403 Processing of fruits and vegetables for value addition students prepared and sold gift packs containing sweets viz., banana ariselu, ravvaladdu, boondhi laddu etc on the occasion of Deepavali festival on 22 October 2022 at Dr.YSRHU-CoH, Anantharajupeta.

RHWEP Activities

RHWEP students visited Dr.YSRHU-HRS, Ambajipeta on 19 & 26 October 2022. Scientists explained horticultural crop improvement and crop production experiments being conducted at the station and recording of biometric observations in intercrops of coconut and explained the record writing and discussed regarding the arrangements of Rythu sadassu.

On 22 October 2022, Dr. Ch. Ruth, Prof. (Pl.Path.) & AD representative, Dr.YSRHU-CoH, Anantharajupeta visited Bukkapuram village of Nandyal dt. and observed the progress of RHWEP students. Participated in method demonstration conducted by RHWEP students on poison bait preparation (with 500ml.chlorpyrifos / monocrotophos, rice bran @ 5kg, jaggery 500g. &water) against *Spodoptera*, *Helicoverpa* in horticultural crops along with Dr. M. Tagore Naik, Sr.Scientist, HRS, Mahanandi, RBK staff Ms. Z. Mounica and host farmers.



Dr.K.Mamatha, PS (Hort.), Dr.K.Ravindra Kumar, Sr. Scientist (Hort.) and Dr.Ch.S.Kishore Kumar, Sr. Sci (PP), Dr.YSRHU-HRS, Kovvur visited the field of Sri Neerukonda Satyanarayana Dommeru village of Kovvur mandal along with 40 RHWEP students and updated the students on different natural farming practices adopted by the farmer on 27 October 2022. Demonstrations were conducted on preparation of beejamrutam, jeevamrutam, dashaparni, kashayam, organic amino acid preparation and different pest control kashayams.

Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), Dr.YSRHU-HRS, Kovvur participated in method demonstrations conducted by RHWEP students at Sri. M.Muralikrishna field in Kalavalapalli village on 28 October 2022. Sri. Sreenivas, HO, Kovvur, department staff and progressive farmers of the village attended the demonstrations and interacted with students on various crop management aspects.



On 21 October 2022, Dr.Srividya Rani N, Scientist and Head (Extension), Dr. M. Harshitha, Scientist (SSAC), Dr.YSRHU-KVK, Vonipenta visited the Settivaripalli village of Mydukur mandal as a part of RHWEP programme. Scientists interacted with the RHWEP students about records and the role-play of farmers. Scientists along with students cleaned the premises of temples and houses under the programme

Swachhata Pakhwada.

On 19 October 2022, as a part of RHWEP programme, Dr.B.Pratap, Senior scientist (Agronomy) & Co-ordinator, Dr.YSRHU-CRS Petlur along with RHWEP students of Dr.YSRHU-CoH, Chinalataripi visited AP Seeds Development Corporation, Srikalahasti. The APPSDC staff enlightened the students on seed processing, certification, labelling and automated seed processing unit and seed storage techniques.

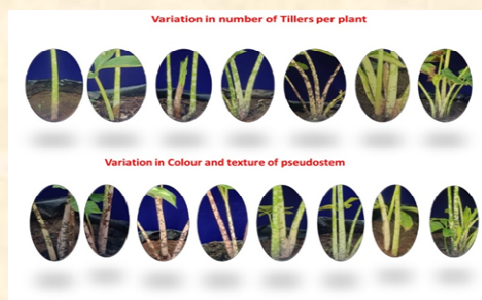


On 21 October 2022, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), Dr.YSRHU-KVK, Periyavaram along with RHWEP students visited S.V. Agricultural College, Tirupati. Dr. M. Pradeep Kumar, Assistant Professor (Plant Pathology) explained about the mushroom production technology and its process. Dr. Manjula, Professor (Entomology) explained about the vermicompost production technology to the students.



Research

At DrYSRHU-HRS Kovvur, in elephant foot yam, 121 ploy cross seedlings raised from the seed collected during 2021-22 were characterized as per the descriptors and observed wide variation among the lines in morphological characters. The number of tillers varied from 1-7. Among them 61.98 % of the lines have light green coloured pseudo stem, 19.01 % of the lines have dark green coloured pseudo stem and 17.36 % of the lines pink coloured pseudo stem. Two of the lines showed both pink and green colored pseudo stem in the same plant. Similarly, in 46.28 % of the lines the texture of the pseudo stem was smooth in, 24.79 % of the lines the pseudo stem was tubercled and in 28.92% were having rough pseudo stem.



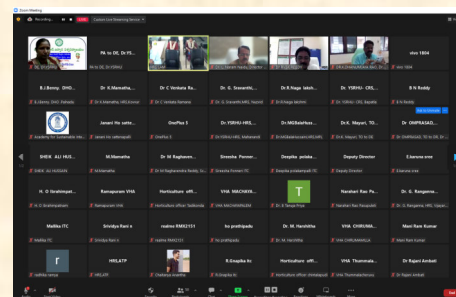
The project proposals on “Validation of Model APCNF Protocol/POPs in different perennial crops viz., banana & elephant foot yam (Dr.YSRHU-HRS, Kovvur & Dr.YSRHU-HRS, Pulivendula), guava (Dr.YSRHU-HRS, Anantharajupeta), coconut (Dr.YSRHU-HRS, Ambajipeta), chilli (Dr.YSRHU-HRS, Lam) and acid lime (Dr.YSRHU-CRS, petlur were submitted to A.P.Rythu Sadhikara Samstha, Gov. of AP for an amount of Rs. 569.164 lakhs.

The scientists of Dr.YSRHU-HRS, Kovvur submitted four project proposals on banana and elephant foot yam to SERB-SURE, Government of India for an amount of Rs.98.71 lakhs.

Extension Activities

Webinar

A Webinar on the topic “Mirapa saagulo melakuvalu” was organized by Dr.YSRHU- Farmers Advisory Cell Council and HRS, LAM, Guntur, under the chairmanship of Dr.T.Janakiram, Hon’ble Vice Chancellor, Dr.YSRHU and co-chairmen, Dr.E.Karunasree, Director of Extension and Dr. L. Naram Naidu, Director of Research, Dr.YSRHU in virtual mode.



Vice-Chancellor to Village Activities



On 19 October 2022, As part of exposure visit under VC to Village programme the students of ZP high school, Gangalakurru visited the Dr. YSRHU- HRS, Ambajipeta, Dr. B. Srinivasulu, Principal Scientist and Head and Sri. A. Kireeti, Scientist (Hort.) explained in detail about the basic horticulture, coconut cultivation aspects and research achievements to the students. In this programme ZP high school Head Master, other teachers and RHWEP students also participated.

Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Horti), Dr.YSRHU-CoH, Anantharajupeta along with RBK staff Mr. K.Yeshwanth, selected two women groups in Y.Kota village for establishment of mushroom unit on 25 October 2022. Explained them about the procedure for cultivation of oyster mushroom. Cleaning and disinfection of mushroom unit was done with malathion @ 5 ml/l followed by formalin @ 2 ml/l of water.



Scientists of HRS, V.R. Gudem conducted VC to Village program at RBK, Peda Tadepalli on 29-10-2022. Dr. T. Naga Lakshmi, Senior Scientist (Pl.Path), Dr. D. Aparna, Senior Scientist (Hort.) and Dr. N.V. Gowtham Deekshithulu, Scientist (Agril. Engg) attended and explained about the value addition in medicinal plants. Preparation procedures of different products like essential oils, hair oils and other root and leaf powders used in routine health care were explained to them and distributed sample products.

Dr.B.K.M.Lakshmi, Principal Scientist (P.P) & Head, Dr.K.Radha Rani, Pr. Scientist (Hort.) and Dr.G.Sravanthi, Scientist (Entomology) visited mango orchards which are effected by heavy & continuous rain in adopted village and suggested remediel measures to overcome the damage. Also visited high density planting orchards of mango and explained the management practices to be followed in high density mango gardens for achieving good quality yields.



On 30 October 2022, farmers and RBK staff from three adopted villages of Dr.YSRHU-CoH, Anantharajupeta participated in farmers awareness programme. Hon'ble Vice-Chancellor Dr. T. Janakiram, Dr. B. Srinivasulu, Registrar, Dr. A.S. Padmavathamma, Dean of Horticulture, Dr. S. Surya Kumari, Dean of PG studies and Sri. M.V. Mallikarjuna Rao, Estate officer and Dr. K. Gopal, Associate Dean interacted with farmers about their year round activities and appreciated them for their active participation in the program. Two Pamphlets on Coconut skipper and Importance of native forest and medicinal plants were released by Dr. T. Janakiram, Hon'ble Vice-Chancellor.



On 22 October 2022, Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (Hort), Dr. D.Srinivasa Reddy, Senior Scientist (Ento) and Dr. T. Rajasekharam, Senior Scientist (Pl. Path), Dr.YSRHU-CRS, Tirupati visited the adopted village CK Palli, Rayalacheruvu (mandal), Tirupati – Dist. and discussed with the farmers on current status of different crops, explained about mango and suggested remedies for Rice leaf folder and coconut nut drop.

Dr. M. Janaki, Scientist (Hort.) & Head has visited the J.Thimmapuram village as part of the Vice-Chancellor to Village flagship programme on 31st October, 2022. Introduced the sweet potato crop and gave the entries under “MLT on yellow fleshed sweet potato” and also given the demonstration on “Method of sweet potato planting”. Distributed the sweet potato cuttings of RNSP-1, Sree Bhadra and Dr. YSRHU – Arunima (PSP-1), pamphlets on sweet potato production, and protection and cassava special. Visited oil palm field and explained fertilizer schedule for oil palm. Visited the experiment on “MLT on Cassava Mosaic Resistant Varieties” and observed that the entries TCa 16-3, TCa 16-4, TCa 16-5, TCa 16-12 and the national check Sree Reksha shown resistance to CMD.



Dr.YSRHU Year of Banana- 2022-23 Activities

On the occasion of Dr.YSRHU Year of Banana, 2022-23, collected and displayed different varieties of banana bunches in exhibition hall for the benefit of the farmers and students. Further, Hon'ble Vice-Chancellor Dr.T.Janakiram, Dr.B.Srinivasulu, Registrar, Dr.A.S.Padmavathamma, Dean of Horticulture, Dr.K.Gopal, Associate Dean, Dr.S.Surya Kumari, Dean of PG Studies, planted banana suckers (Red banana, Bontha Arati, Robusta, G9 -Tissue culture saplings in the kitchen garden of Anantha boys hostel, CoH, Anantharajupeta on 29 October 2022.



SC Sub Plan

Scientists of AICRP on MAP & Betelvine, HRS, V.R.Gudem organized training programme on “Improved practices in cultivation of Medicinal aromatic plants and betelvine crops” and distributed betelvine cuttings, biofertilizers to the SC farmers under SCSP 2022-23 at Potharlanka village of Kolluru mandal, Bapatla district on 26 October 2022.

As a part of ICAR- AICRP (fruits) Scheduled-caste sub plan programme crop inputs (Pesticides, fertilizers, water soluble fertilizers) were distributed to SC beneficiaries at Rallacheruvu Palli, Obulavarapalli Mandal of YSR Kadapa district on 29 October 2022. Dr.T.Janakiram, Hon'ble Vice-Chancellor distributed the inputs and interacted with the farmers and discussed about post planting operations of banana University officers, Zonal Research Head (RSZ) and Associate Dean, CoH, Anantharajupeta also participated. The programme was co-ordinated by Dr. R. Nagaraju, Principal Scientist and Head, Dr. L. Mukunda Lakshmi, Senior Scientist (H), & Dr.T.Rajasekharam, Senior Scientist (PP) of CRS, Tirupati.



Udyana Yatra

On 22 October 2022, KVK, Venkataramannagudem conducted exposure visit under 'UdyanaYatra' to DRDA Eluru shade net growers and farmers. They were taken to the demonstration units of Dr.YSRHU-KVK, HRS, CoH, PHTRS, COE, VRGudem and explained about the technologies.



On Farm Trial

On 17 October 2022, Dr.Srividya Rani N, Scientist and Head (Extension) and Dr. M. Harshitha, Scientist (Soil Science) and Dr. S. Firoz Hussain, Scientist (Horticulture), Dr.YSRHU-KVK, Vonipenta conducted follow up visit on OFT "Assessment of the performance of "Black gram variety TBG-129 at Mittamanupalli village of Mydukur mandal. Scientists interacted with the farmers and observed the germination percentage of the varieties TBG-129 and GBG-1.



On 19 October 2022, Dr. M. Harshitha, Scientist (Soil Science) and Dr.B.S.Kanthi Sri (Home science) conducted method demonstration on "Mass multiplication of Bio-fertilizers" regarding OFT "Organic cultivation of Paddy" for getting higher profits at Pappanapalli village of Mydukur mandal. Scientists explained the farmers about mass multiplication of PSB, KRB and *Azospirillum* bio-fertilizers by mixing with FYM, maintaining moisture for a period of 7-10 days thereby mycelium will spread throughout the FYM which can be used for the field application.

On 26 October 2022, Sri P Raja Sekhar, Scientist (SS&AC), Dr.YSRHU-KVK, Pandirimamidi visited paddy fields at I.Polavaram village of Rampachodavaram mandal and monitored the scheduled spray of novel organic liquid @ 0.5% at panicle initiation stage as part of OFT on "Assessment of Novel Organic Liquid Fertilizer in Paddy".



On 27 October 2022, Dr.YSRHU-KVK, Pandirimamidi conducted follow-up visit to OFT villages of Rajampalem and Amudalabanda of Gangavaram mandal as part of action plan of 2022-23. In this visit observed ammonia and hydrogen sulphide gases problem in fish ponds and explained about best feeding methods and later recorded growth parameters like length and weight of fishes and checked health conditions of fish. K.Veeranjaneyulu, Scientist (Fisheries) coordinated the programme.



On 27 October 2022, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, Venkataramannagudem visited bhendi and ridge gourd fields in Prakasaraopalem village as a follow up visit to OFT field and diagnosed P deficiency in Bhendi crop and recommended to apply DAP. Also found multinutrient deficiency & viral infections in ridge gourd, suggested to apply organic sources in last plough for next crop.

On 20 October 2022, Dr. K. Venkata Subbaiah, Scientist (Horticulture) and Dr. K. Venkata Satish Scientist (Horticulture), Dr.YSRHU-KVK, V.R.Gudem went to Veerampalem village to conduct follow up field visit in ridge gourd var.Arka Prasanna and Okra var.Kasi Lalima and suggested suitable measures like application of fertilizers through drip and grading for getting more remunerative price in the market. In this visit six vegetable farmers participated.



Kisan Mela

On 20 October 2022, Dr.YSRHU-KVK, Pandirimamidi organised Kisan Mela on the theme “Catch the Rain – Where it falls, when it falls” as part of Jal Shakti Abiyan during the year 2022-23. Exhibition of stalls with water conservation techniques, Integrated farming models, Organic Manures, Bio-fertilizers, Bio-pesticides, Value added products, Minor forest produced was arranged and displayed to farmers. Technical session on Rain water harvesting and water conservation measures followed exposure visit to rain water harvesting structure was conducted. In this programme Dr.M.V.Prasad, Principal Scientist, ICAR-IIOPR, Pedavegi, Sri Pratap Jeevan, ADA (Soil & Water conservation), Ram-pachodavaram, scientists of KVK, Pandirimamidi and 78 farmers participated.



Front Line Demonstrations

On 27 October 2022, Dr V.Deepthi, Scientist (Agril Extension), Dr.YSRHU- KVK, Venkataramannagudem conducted the Black gram field visits under cluster frontline demonstration on pulses under NFSM at Pothapalli village of Dwaraka Tirumala mandal and suggested the management practices



On 22 & 28 October 2022, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. N. Srividya Rani, Scientist and Head, B. S. Kanthi Sri, Scientist (Home Science) and Dr. M. Harshitha, Scientist (SSAC), Dr.YSRHU-KVK, Vonipenta provided Arka Banana Special to farmers as a part of FLD “Application of Arka Banana Special and KH_2PO_4 for increasing the yield in banana”.



Swachhata Pakhwada

From 16th October to 27th October Swachhata Pakhwada was conducted at KVK Vonipenta. Dr.Srividya Rani N, Scientist and Head (Extension) Dr. M. Harshitha, Scientist (SSAC) Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr.B.S. Kanthi Sri, Scientist (Home Science), Dr.YSRHU-KVK, Vonipenta visited government school at Obulapuram village of Mydukur mandal and cleaned the school premises by involving the school students and farmers of the village and motivated the students to keep the school premises clean. As a part of Swachhata Pakhwada, scientists and staff cleaned the office premises and weeding in the mango orchards and kitchen garden was done.



Dr.YSRHU-KVK, Periyavaram from 16th to 31st October conducted Special Swachhta Campaign by conducting awareness on crop residue management, demonstration of technologies on Waste to Wealth, Cleaning of public places like Sachivalayam compound, RBK premises by involving farmers and RHWEP students at adopted village (VC-Village) Arimenipadu, Ozili (M), Cleaning of office premises and demo units in the instructional farm of KVK,

Orientation of school children on various topics like hygiene, sanitation and cleanliness. As in-charge of Swachhta Hi Seva Programmes, Dr.B. Vijayasree, Scientist (Home Science) coordinated the programmes.

Training Programmes

On 20 October 2022, Dr.YSRHU-KVK, Pandirimamidi organised training on “Best management practices in oil palm cultivation”. Dr . M.V Prasad Principal scientist (Agri Extension), ICAR-IIOPR attended as the resource person for the program, He explained farmers about the package of practices of oil palm cultivation, talked about the best management practices that fetch remunerative price for the oil palm farmers. Dr Lalithakameswari, Principal Scientist & Head explained about the KVK services and how KVK is encouraging the oil palm cultivation in tribal areas. 80 farmers attended the program. KVK scientists and staff participated in this programme.



On 17 October 2022, Smt. B. Neeraja, Scientist (Pl.Path), Dr.YSRHU-HRS, Ambajipeta participated in the meeting organized by DAO, Dr. B.R. Ambedkar konaseema district on “YSR Rythubharosa 4th release” at Ambedkar Bhavan, B.R. Ambedkar Konaseema district.

On 20 October 2022, Sri. A. Kireeti, Scientist (Hort.), Dr.YSRHU-HRS, Ambajipeta participated as resource person for strengthening the capacities of ADA, ADH, AO & HOs organized by DAO, Dr. B.R. Ambedkar konaseema district and presented the good agricultural practices in coconut for implementation and certification of Polambadi and Thotabadi programmes.



Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajy Lakshmi, Prof (Hort), Dr.YSRHU-CoH, Anantharajupeta along with final year students and RBK staff conducted group discussion on “Organic farming in horticultural crops” on 26 October 2022.

Dr. R. Nagaraju, Principal Scientist (Hort) & Head, and Dr. T. Rajasekharam, Senior Scientist (Pl. Path), Dr.YSRHU-CRS, Tirupati attended meeting on PM Kisan Sammelan and Rabi KisanMeal at RASS, KVK, Karakambadi, Tirupati on 17 October 2022. Dr. R. Nagaraju delivered a talk on management practices for major horticultural crops and incentives for startups in Agri- Horticulture sector.



Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (Hort), and Dr. T. Rajasekharam, Senior Scientist (Pl. Path), Dr.YSRHU-CRS, Tirupati attended Field Day in mango conducted by RASS, KVK, Tirupati at Vedurukuppam Village along with Department official on 21 October 2022.

On 27 October 2022, Dr. YSRHU-HRS, Ambajipeta organized a one day Horticulture Fair on “Cocoa” with financial support of the Directorate of Cashew and Cocoa Development Board, Kochi, Kerala at Dr.YSRHU-Horticulture Research Station, Ambajipeta of Dr. B.R. Ambedkar Konaseema district, A.P. On the occasion of Horticulture Fair on cocoa organized exhibition, training programme and field visit to farmers, Horticultural Officers, VHA / VAAs of RBKs & RHWEP students.



Dr.YSRHU-PHTRS, V.R.Gudem conducted hands on training programme on “Preparation of mixed fruit jam” to SHG women from Krishi Udhyaana Mahila Raithu Uthpathidaarula Sangham, V.R.Gudem in association with Dr.YSRHU-KVK, Venkataramannagudem, Dr.YSRHU on 20 October 2022 under ARYA programme for the year 2022-23.

On 20 October 2022, Dr.Vijayalakshmi - PD, ATMA, Kadapa visited Kamanur RBK of Proddatur mandal and conducted DRC meeting. and Dr. B.S. Kanthi Sri, Scientist -KVK, Vonipenta participated in the training explained about pest and disease management in paddy, cotton and black gram crops. Later team visited paddy fields and, observed brown paddy hopper on crop and suggested to spray acephate @ 1.5 g/l water at suggested intervals. Dr. M.Siva Sailaja- Agricultural officer, DRC/ DTC, Kadapa, VAAs and 23 farmers participated.



On 29 October 2022, Dr.Srividya Rani.N, Scientist and Head, Dr.YSRHU-KVK, Vonipenta attended the training programme on “Sericulture” organized by Department of Sericulture, Kadapa and explained that Sericulture can be taken up as an income generation activity in addition to agriculture and horticulture crops without disturbing their daily activities.

Dr. R. Rajya lakshmi, Professor (Horticulture), Dr.YSRHU-CoH, Parvathipuram attended the training programme as resource person organized by AP Rythu Sangam of Manyam district. Enlightened the importance of horticulture in improving economic status of the farming community on 21 October 2022 at Sundarayya bhavanam in Parvathipuram. AP State Rythu Sangam President Sri. Marapu Suryanarayana and farmers from 11 mandals in and around Parvathipuram participated in the programme.



As part of initiating Skill Development Training Program on Jute bags making at KVK, Periyavaram identified 6 master trainers for the TOT Program and trained them for 6 days from 17 to 22 October 2022 at Niha Textiles and Handicrafts institute, Nellore. They got trained on different products that are prepared with Jute and fabric. Dr.B.Vijayasree, Scientist (Home Science) coordinated the programme.

On 21 October 2022, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Dr.YSRHU-KVK, Pandirimamidi attended as resource person to the training programme on package of practices in cashew and vegetables organised by ITDA, Rampachodavaram at Bandapalli village, Rampachodavaram mandal, Alluri Seetha Ramraju district. Explained about management practices in cashew and pest and diseases management in vegetables.



On 18 October 2022, Dr.B.Vijayasree, Scientist (Home Science) Dr.YSRHU –KVK, Periyavaram conducted training on “Nutrigardens for food and nutritional security at institutional level” to the school teachers and school children of Busapalem village, Venkatagiri (M) The participants were enlightened on the nutritional importance of vegetables and fruits to reduce the micro nutrient deficiencies and malnutrition among children and women. The participants were also explained about the establishment of nutrigardens in the school premises for utilization of vegetables and leafy vegetables in their regular menu of “Mid-Day Meal Program” of Govt. of Andhra Pradesh to combat maternal and child malnutrition. TVS Seva Trust team and Health Dept. staff participated in the programme.



CFLD Pulses (Rabi) - On 19 October 2022, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), Dr.YSRHU-KVK, Periyavaram conducted training programme on “Production technologies in black gram”. Enlightened farmers on black gram var.TBG-104 varietal characteristics, seed treatment, seed rate, spacing, herbicide application and other package of practices. Distributed black gram (TBG-104) seed and other critical inputs to the farmers of Arimenupadu village, Ojili (M) under Vice-Chancellor to Village Programme. Dr.B.Vijayasree, Scientist (Home Science), Dr.D.Thirupal, Scientist (Hort.) and Smt.I.Rajeevana, Scientist (Soil Science) participated in the programme.

On 16 October 2022, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Dr.YSRHU-KVK, Pandirimamidi attended as resource person to the training programme on package of practices in cashew and vegetables organised by ITDA, Rampachodavaram at Chintalapudi village, Maredumilli mandal, Alluri Seetha Ramraju district. Explained about management practices in cashew, rubber and pest and diseases management in vegetables.



Dr.YSRHU-KVK, Venkataramannagudem conducted one training program on “Mastitis- symptoms, treatment and control” to tribal dairy farmers on 17.10.2022. Dr.T.Vijaya Nirmala, Scientist (Veterinary Science) explained about types of mastitis in dairy animals, economic losses to farmer due to mastitis, detection of subclinical mastitis by SFMT test and CMT test, preventive measures and clean milk production. In this program distributed mineral mixtures and molasses blocks to tribal dairy farmers under TSP scheme.

PM Kisan Samman Sammelan

On 17 October 2022, Dr.Srividya Rani N, Scientist and Head (Extension) and Dr. M. Harshitha, Scientist (Soil Science) and Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr.B.S. Kanthisri (Home Science) , Dr.YSRHU-KVK, Vonipenta and Sri. Prathap Reddy, BJP Leader, Sri. Pavan Reddy, Directry Manager, Bayer Company, Sri. Gangaiah, Sri. Gouz, Sri. Nazeer, Growmore Company participated in the program. Program



started with the introductory speech by Dr.Srividya Rani N. Sri. Prathap Reddy explained the farmers and students about the importance of the program at state and national level.Sri. Pavan Reddy explained the farmers about the Bayer products. Sri. Gangaiah explained the farmers about the new released products from Growmore. Sri. Gouz explained about the importance of DBT and APP developed by the Growmore Company. Scientists Dr. M. Harsitha, Dr.S. Firoz Hussain and Dr.B.S. Kanthisri explained the farmers regarding the nutrient management, pest management and value addition in tomato. Program ended with the vote of thanks by scientist (Home Science).



On 17 October 2022, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), Dr.YSRHU-KVK, Vonipenta organized PM Kisan Samman Sammelan programme and webcasted Hon'ble PM's addressing the farmers. Sri.V.Surendranath Reddy, Chairman, Kisan Mocha, Sri. Prakash Naidu, President, Srikalahasthi FPO, RHWEP students, farmers from Srikalahasthi FPO and Kisan Mocha participated in the programme.

Dr.B.GovindaRajulu, Principal Scientist and Head, Dr.B.Vijayasree, Scientist (Home Science) and Dr.D.Thirupal, Scientist (Hort.) participated in the programme.

On 17 October2022, Dr.YSRHU-KVK, Pandirimamidi organized Kisansammelan program in the KVK campus. The KVK team webcasted the inaugural function of Agri- Startup Conclave which was held at New Delhi. 132 farmers attended the programme. Dr.R.Praveen Babu Scientist (Extension) and Dr.Rajendra Prasad, Sr.Scientist (Hort) coordinated the programme.



On 17 October 2022 Dr. M. Raghavendra Reddy, Scientist (SS&AC), KVK, Venkataramannagudem organized "Pradhanamantri Kisan Samman Sammelan", Hon'ble Prime Minister addressed the nation virtually. Dr. M. Raghavendra Reddy, Scientist (SS&AC) conducted training programme on "Natural farming in Tribal areas" for attendees. Dr T Vijaya Nirmala, Scientist (Veterinary science) and Dr. K. Venkata Satish, Scientist (Horticulture) participated in the programme.

Diagnostic Visits

Dr. T. Susila, Senior Scientist & Head, Dr. M. Sunil, Kumar Scientist (Plant Pathology) and Dr. A. Reshma Scientist (Plant Physiology) visited Ambakapalli and Murarichintala villages of Lingala mandal on 28 October 2022 and explained about nutrient management, fruit care activities, bunch management and integrated pest management in banana. Also, emphasized the importance of application of mineral oil along with the recommended chemicals for sigatoka management.



On 28 October 2022, Dr. Venkata Satish Kuchi, Scientist (Horticulture), and Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr.YSRHU-KVK, V.R.Gudem went to Praksharaopalem village to conduct diagnostic field visit in ridge gourd and suggested to do clean cultivation, installation of sticky traps and to spray need based pesticides and fungicides for effective plant growth.

On 27 October 2022 Dr. M. Raghavendra Reddy, Scientist (SS&AC) and Dr V Deepthi, Scientist (Agrl. Extension), Dr.YSRHU-KVK, Venkataramannagudem visited on farm testing trials on "Organic production of Bhendi". Suggested to spray Neem oil and Agni astra for plant protection measures in Venkataramannagudem vuillage.



On 21 October 2022, K. Veeranjaneyulu Scientist (Fisheries), Dr.YSRHU-KVK, Pandirimamidi conducted field diagnostic visit on Fish and Vannamei ponds at Rukminipuram and Achutapuram villages of Tuni mandal. Observed sudden dissolved oxygen problem in IMC pond and running mortality, moulting problem in vannamei pond. Suggested sodium percarbonate @1 kg per acre and EDTA @1 kg per acre respectively.

On 27 October 2022, Dr. Praveen Babu, Scientist (Extension), Dr.YSRHU-KVK, Pandirimamidi visited kitchen gardens of Rajampalem (KVK adopted village) of Gangavaram mandal, Alluri Sitaramaraju (Dist). Observed downy mildew in ridge gourd crop and advised to spray ridomil @2.5 ml per litre for managing the disease. Further advised farmers to create alleyways for better intercultural operations.



Dr.M. Sunil, Kumar Scientist (Plant Pathology), Dr.YSRHU-BRS, Pulivendula visited the banana field at Chinna Ranga Puram of Pulivendula mandal on 21 October 2022 as a part of follow up visit to observe the impact of application of mineral oil along with recommended chemicals in Sigatoka leaf spot management in banana.

Dr.Ch. Ruth, Professor (Pl. Path) and Dr.K.Swarajya Lakshmi, Prof (Hort.), Dr.YSRHU-CoH, Anantharajupeta observed 30 per cent sigatoka leaf spot disease incidence in banana cv. Grand naine in farmers field at B.Kammappalli village, Rly. Kodur mandal on 26 October 2022 & suggested to remove & destroy the infected leaves & spray Propiconazole @ 1 ml/L. or Thiophanate methyl @1 ml/L. with sticking agent viz., sandovit 0.1%.



Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Hort.), Dr.YSRHU-CoH, Anantharajupeta along with final year students observed leaf spot and mealy bugs in Nannari crop grown as intercrop in guava field of K. Prasad at B. Kammappalli village on 25 October 2022 and suggested spraying of neem oil @3 ml / L. of water.

Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Horti), Dr.YSRHU-CoH, Anantharajupeta along with final year students observed papaya nursery of Sri.Nageswara Rao on 25 October 2022 and observed damping off and suggested spraying of copper oxy chloride @ 2.5 g./ L. of water.



Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Horti), Dr.YSRHU-CoH, Anantharajupeta visited Thurpupalli village of Rly. Kodur mandal on 21 October 2022 and observed nutritional deficiency in tissue culture banana nursery of D.Venkata Narayana Reddy and suggested spraying of micronutrients.

Dr.Ch. Ruth, Professor (Pl. Path), Dr.Avani ,Dr.Pushpavathi and PhD students of Dr.YSRHU-CoH, Anantharajupeta visited guava field of a farmer in Bayanapalli village of Annamaiah Dt. and observed mealy bugs, anthracnose and rust in guava cv. Allahabad safeda on 27 October 2022 and suggested control measures.



On 19 October 2022, Dr. D. Thirupal, Scientist (Horticulture), Dr.YSRHU-KVK, Periyavaram visited ash gourd field at adopted village of Arimanupadu, Ojili mandal, Tirupathi district and observed Ash gourd fruit yield of 20 t/ha & suggested RDF for the farmers to increase the fruit yield.

On 26 October 2022, Sri P Raja Sekhar, Scientist (SS&AC), Dr.YSRHU-KVK, Pandirimamidi conducted diagnostic field visit to "Demonstration on Integrated Farming System" at I.Polavaram village of Rampachodavaram mandal and observed the crop components like paddy, chilli, turmeric, pumpkin, beans, blackgram, hill broom, fruit plants on bunds etc. at different growth stages and recommended the farmer to remove off-types in paddy for maintaining purity of the crop produce.



On 26 October 2022, Dr.T.Vijaya Nirmala, Scientist (Veterinary Science), Dr YSRHU-KVK, Venkataramannagudem conducted diagnostic visit to dairy farm at Neeladripuram village, Tadepaligudem mandal and examined rabies affected Ongole calf showing symptoms such as fever, aggressiveness, anorexia, ataxia, salivation. Recommended isolation of infected calf from other healthy animals as there is no treatment for rabies affected animals and suggested preventive vaccination with antirabies vaccine at 0th, 3rd, 7th, 14th, 30th and 90th day after dog bite to animals.



Dr. M. Sunil, Kumar, Scientist (Plant Pathology) and Mr. G. Purna Datta Reddy, Scientist (Horticulture), Dr.YSRHU-BRS, Pulivendula visited Brahmanapalli village of Pulivendula Mandal on 31 October 2022. The scientists interacted with farmers and recommended chemicals for sigatoka management.

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

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the second second fortnight of October, 2022 (3-4 PM).

Date	Topics
17.10.2022	జీడిమామిడిలో కాండం మరియు వేరుతొలుచు పురుగు నిర్వహణ డా.బి.నాగేంద్ర రెడ్డి, శాస్త్రవేత్త, జీడిమామిడి పరిశోధన స్థానం, బాపట్ల
18.10.2022	అరటి తోటల పెంపకంలో మేలైన యాజమాన్య పద్ధతులు డా.టి.సుశీల, సీనియర్ శాస్త్రవేత్త & హెడ్, అరటి పరిశోధన స్థానం, పులివెందుల
19.10.2022	వర్షాకాలంలో చీని, నిమ్మ తోటల యాజమాన్యం డా.బి.గోవింద రాజులు, ప్రధాన శాస్త్రవేత్త & హెడ్, కె.వి.కె, పెరియవరం
20.10.2022	పనస పండు ఉత్పత్తి మరియు కోత అనంతర యాజమాన్య పద్ధతులు డా.పి.అశోక్, సీనియర్ శాస్త్రవేత్త & హెడ్. ఉద్యాన పరిశోధన స్థానం, వెంకటరామన్నగూడెం
21.10.2022	ఇ-మార్కెటింగ్ మరియు ఇంటర్నెట్ ఆధారిత వ్యవసాయ సేవలు డా.ఆర్.ప్రవీణ్ బాబు, శాస్త్రవేత్త, కె.వి.కె, పందిరిమామిడి
22.10.2022	వర్మికంపోస్ట్ తయారీ మరియు ఉపయోగాలు డా.వి.దీప్తి, శాస్త్రవేత్త, కె.వి.కె, వెంకటరామన్నగూడెం
25.10.2022	కరివేపాకు, మునగ పంటల సాగులో పాటించవలసిన యాజమాన్య పద్ధతులు డా.ఎం.ముత్యాల నాయుడు, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, దర్శి
26.10.2022	అరటి సాగులో చీడపీడల యాజమాన్య పద్ధతులు

Date	Topics
27.10.2022	ఉల్లిలో సస్యరక్షణ డా.కె.సుబ్రహ్మణ్యం, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, మహానంది
28.10.2022	ఆయిల్ పామ్ తోటలో ఎరువుల యాజమాన్యం డా.పి.మాధవీలత, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, విజయరాయి
29.10.2022	మునగాకు విలువ ఆధారిత ఉత్పత్తులతో ఆరోగ్యం వ్యవస్థాపకత అభివృద్ధి డా.బి.విజయ శ్రీ, శాస్త్రవేత్త, కె.వి.కె, పెరియవరం
31.10.2022	టమాట సాగులో మెళకువలు డా.ఎం.జి.బాల హుస్సాని, సీనియర్ శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, మదనపల్లి

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

Dr YSRHU-Farmers Advisory Cell organized the following “Udyana Vani” Programs during the second fortnight of October, 2022.

Date	Topics
17.10.2022	ఉల్లిలో ఎరువులు, కలుపు మరియు నీటి యాజమాన్యం; వాతావరణ సూచనలు
18.10.2022	వాతావరణ సూచనలు; చిలగడదుంపలో నారుమడి యాజమాన్యం
19.10.2022	అరటి తోటల పెంపకంలో మేలైన యాజమాన్య పద్ధతులు
20.10.2022	కొబ్బరిని ఆశించే పురుగుల యాజమాన్యం; వాతావరణ సూచనలు
21.10.2022	అక్టోబర్ మాసంలో వివిధ ఉద్యాన పంటలలో చేపట్టవలసిన పనులు
22.10.2022	బెండ సాగులో మెళకువలు
25.10.2022	తీగజాతి కూరగాయల పంటలలో పాటించవలసిన సస్యరక్షణ చర్యలు
26.10.2022	ఆగాకరలో తీసుకోవలసిన సస్యరక్షణ చర్యలు
27.10.2022	కోకోలో పాటించవలసిన మెళకువలు

Technical support to RBK Channel

Following Scientists of Dr YSRHU are deputed for recording technical content at Integrated Call Centre, Gannavaram through RBK Channel during the second fortnight of October, 2022.

Date	Topic	Scientist Name
17.10.22	కూరగాయల సాగులో కలుపు యాజమాన్యం మరియు డ్రిప్ ద్వారా ఎరువుల యాజమాన్యం	Dr.M.Raghavendra Reddy, Scientist (SS&AC), Dr.YSRHU-KVK, V.R.Gudem
21.10.22	మిరప సాగులో ఫెర్టిగేషన్ వివరాలు	Dr.C.Venkata Ramana, Sr.Scientist, HRS, Lam
28.10.22	బొప్పాయిలో ఫెర్టిగేషన్ పద్ధతిలో ఎరువుల యాజమాన్యం	Dr. K.T.V.Ramana, Principal Scientist (Hort) & Head, HRS, Anantharajupeta

General

Meetings

Dr. N.B.V. Chalapathi Rao, Principal Scientist (Ento.) and Smt. B. Neeraja, Scientist (Pl.Path) Dr.YSRHU- HRS, Ambajipeta participated in the 31st Annual group meeting held at GKVK, Bengaluru from 20 to 21 October 2022 and presented the progress of technical workdone pertaining to Entomology and Plant Pathology for the year 2020-2021 and technical programme of the work for the year 2021-2022.

On 26 October 2022, scientists of Dr.YSRHU-HRS, Kovvur participated in GAP certification programme conducted by department of Agriculture at Dr.YSRHU-HRS, Kovvur and imparted training to DAOs, DHOs, AOs, HOs and other line department officers on “Scientific management practices for banana” including tissue culture production techniques.

Dr.G.Ramanandam, PS (Hort.) & Head, Dr.K.Ravindra Kumar, Sr. Scientist (Hort.), Dr.YSRHU-HRS, Kovvur participated in virtual RKVY review meeting conducted by Director of Research, Dr.YSRHU and explained the status of expenditure sanctioned for the year 2021-22 on 31 October 2022.

Dr.G.Sravanthi, Scientist (Entomology), Dr.YSRHU-MRS, Nuzvid participated in webinar on “Smart Agriculture with Artificial Intelligence” organized by Department of Statistics and Computer Application, ANGRAU in association with Tamil Nadu Agricultural University, Coimbatore.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), Dr YSRHU-KVK, Venkataramannagudem participated in “Aquaconnect Industry – Research Meet” organised by Shri Vishnu Engineering College for Women, Bhimavaram on 29th October 2022.



Dr.V.Sudha Vani, Associate Professor, Dr.YSRHU-CoH V.R.Gudem attended two days training program of Board of Community Development through Education coordinators and Brahma Kumaris on Nurturing Mother Nature through values at Visakhapatnam on 19 & 20 October 2022.

Visits

Smt. Suseela Chintala, Chief General Manager, NABARD, Telangana State along with GMs Sri Harigopal and Sri Arulselvam and 15 DDM from various districts of Telangana visited Dr. YSRHU campus on 21 October 2022. Dr. T.Janakiram, Vice-Chancellor interacted with them and explained about the ongoing research projects, schemes and programmes under Dr.YSRHU. Dr. D. Venkata swami Controller of Examinations, Dr. E. Karuna Sree, Director of Extension, Sri. Mallikarjuna Rao, Estate Officer and Sri.K.Ratna Kishore, Public Relations Officer participated in the programme.



District Development Managers (DDMs), NABARD regional office visited Dr.YSRHU campus—Processing & Skill Training Centre, Dhanvanthari Park, Nutritional garden, Model nursery, CEPC and Bio fertilizer/bio control production unit HRS, V.R.Gudem on 21 October 2022 and interacted with the scientists about latest technological interventions in horticultural crops. Dr. P.Ashok, Sr.Scientist and Head Dr.YSRHU-HRS, V.R.Gudem and Dr. K Venkata Subbaiah, Scientist Dr.YSRHU-KVK, V.R.Gudem coordinated the programme.



Rajiv Gandhi National Fellowship

Ms. S. Divayabharthi, ID.No. ADH/21-01, Dept. of PSMA, Dr. YSRHU -College of Horticulture, Anantharajupeta was selected for “Rajiv Gandhi National Fellowship” for higher education of ST students to pursue Ph.D degree for five years from 01-04-2022 onwards (Rs. 35,000/-per month).

Publications

S. Sunitha, J. Suresh Kumar, J. Sreekumar, M. Nedunchezhiyan, K. Mamatha, P.R.Kamalkumaran, G .Pradnya, D. Ketan And D. Shanker,2022. Influences of intercropping on productivity and profitability of Greater yam (*Dioscorea alata* L.). Journal of Crop and Weed. Vol.18(2)85-93.

Awards

Dr. YSRHU- HRS, Ambajipeta centre on AICRP on Biological control received the Best performing AICRP centre on biological control in the 31st Annual group meeting held at GKVK, Bengaluru from 20 to 21 October 2022 organized by ICAR- NBAIR, Bengaluru.



Patron: Dr T.Janakiram, Vice-Chancellor
Editors: Dr.A.S.Padmavathamma, Dean of Horticulture
Dr L. Naram Naidu, Director of Research
Dr B.Srinivasulu, Registrar
Dr E. Karuna Sree, Director of Extension
Sub-Editor : Sri K.Ratna Kishore Babu, Public Relations Officer
Dr Y.S.R. Horticultural University
Administrative Office, Venkataramannagudem-534 101,
West Godavari district, Andhra Pradesh
Visit our website at <https://drysrhu.ap.gov.in>