



Fortnight Focus

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From Vice-Chancellor's Desk

Indian farming sector has come a long way since Independence, from being a food deficit to food surplus country. In spite of the massive achievements, the present status of soil health, increased cost of cultivation, decrease in production on one hand and on the other, urbanization resulting in the shortage of man power for field operation are the challenges of today's farming situation in the country. In order to meet the great challenge of bringing symmetry between making the work force available for timely field operations, sustainable yield and growth rate, the Government of India put forth the application of technological tools and automation driven by way of "DRONE Technology" or "UAVs"

DRONE (Dynamic Remotely Operated Navigation Equipment) is an unmanned aircraft/Unmanned Aerial Vehicles (UAVs) that can fly and stay airborne without a human pilot on board, able to perform critical farm operations without risking a human's safety, and operating more effectively than equivalent manned system.

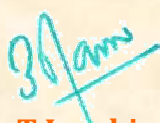
Benefits of Drone Usage

- Suitability to diverse horticultural crops viz., vegetables, fruits, plantation and medicinal/aromatic crops.
- Equally suitable for small, fragmented, irregular, steeply sloped, hill-side and mountain terrains.
- Precise usage of agrochemicals due to droplet deposition ability.
- Higher coverage area per unit time (15% - 18% higher).
- Less water usage - 92% to 95% less than conventional method.

Dr.YSRHU has initiated use of drones for field inspection and pest surveillance in horticultural crops with more heights especially plantation crops.

Demonstrated application of agrochemicals such as plant nutrients, pesticides and fungicides in vegetables, guava, banana, coconut, mango, acid lime and oil palm.

Research studies were also conducted in the arena of Artificial Intelligence and Drone Technology by PG and PhD students of the university.


Dr T.Janakiram
Vice-Chancellor

The Events

Dr. K.Gopal, Associate Dean, COH- Anantharajupeta, participated in XVIII, AZRA international conference on “Advances in Applied zoological research towards food, feed and nutritional security and safer environment on 10-12 November 2022” along with Dr B. Vasanthraj David awardees from 2006 to 2020, at OUAT , Bhubaneswar.



On 1.11.2022, all the institutes under Dr.YSRHU celebrated Andhra Pradesh formation day and paid tribute to Sri Potti Sreeramulu for his contributions towards formation of Andhra Pradesh state.

Vigilance Awareness Week

Vigilance Awareness Week (Oct 31st – Nov 5th) was organized at College of Horticulture, Chinalataripi and KVK, Vonipenta. As a part of this programme College of Horticulture, Chinalataripi on 05.11.2022, conducted essay writing and elocution competitions were held to the students of B.Sc (Hons.) Horticulture on the topic “Corruption Free India for Developed Nation” and KVK, Vonipenta on 02.11.2022, conducted elocution competition to the students of college of Bala Siva Yogi, Mydukur on the topic Anti-corruption and on 03.11.2022, conducted rally on vigilance awareness along with RHWEP students from KVK, Vonipenta to Adireddypalli village of Mydukur mandal.



On 11.11.2022, all the institutes under Dr.YSRHU celebrated National Educational Day and Minorities Welfare Day in commemoration of birth anniversary of Sri Maulana Abul Kalam Azad and paid floral tribute.



National Innovation Day

Education

On the occasion of birth anniversary Dr.A.P.J.Abdul Kalam, former President of India, great Aeronautical scientist, an “Innovative Idea Contest” was organized by NIT, AP on 15-11-2022. Mr.G. Naveen, PG-PHT Student, College of Horticulture, Anantharajupeta, under the guidance of Dr.K.SwarajyaLakshmi, Prof (Hort.) participated and presented his research work on “Potential of Lactic acid bacteria (LAB) isolated from banana pseudo stem and its utilization in bio processing of fruits and vegetables”.



Dr. T. Janakiram garu, Honourable Vice-Chancellor, Dr. YSRHU flagged-off the study tour program of M.Sc and PhD (Horti) students of Vegetable Science and Floriculture departments (27 members) of COH, VRGudem to North India on 26.10.2022 and wished the students for a safe and successful trip. The students visited the 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 from 26.10.2022 to 06.11.2022.



On 10.11.2022, ELP students of COH, VRGudem of Dehydration, Bee Keeping, Bio Control and Organic Farming modules, visited HRS and KVK Pandirimamidi to study the rubber, palmyrah processing, activities of HRS, and Mushroom cultivation, Vermicomposting, Fisheries unit of KVK Pandirimamidi. The ELP course incharges Dr.V.Sudha Vani, Assoc. Professor (Hort.), Dr.R.V.Sujatha, Assoc. Professor (Agri. Economics), Dr.T .Tejaswini, Teaching Associate (Hort.) accompanied and guided the students.

Dr. T. Janakiram, Honourable Vice-Chancellor, Dr. YSRHU flagged-off study tour programme of M.Sc & PhD (Hort) students of Fruit Science & Post Harvest Technology of CoH, VRGudem, South India on 31.10.2022 and wished the students for a safe and successful trip . The students visited most prestigious Institutions of India viz., NIFTEM, Ministry of Food Processing, NRC Banana, TNAU Coimbatore, Ooty gardens, CSIR-CFTRI, Brindavan Gardens, Mysore, ICAR-IIHR, ICAR-NRC Pomegranate, ICAR-CIASM & KVK, ICAR-NRC Grapes, ICAR-NRC Citrus and ICAR-NBSS & LUP from 31.10.2022 to 10.11.2022.



Dr. YSRHU - Horticulture Polytechnic, kalikiri.

HORTICET RESULTS - 2022 Admission to B.Sc(Hons)Hort.

2nd Rank



P.Shareef
KHP/2020-24

5th Rank



K.Jasmine
KHP/2020-10

6th Rank



K.Tejaswini
KHP/2020-33

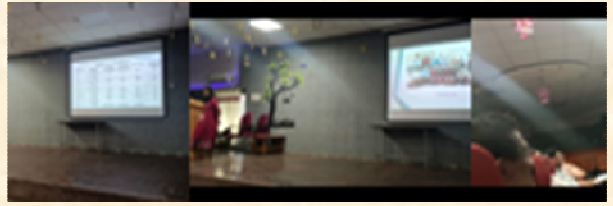
Students also bagged 14th, 15th, 16th, 22nd, 23rd, 24th, 28th, 29th, 30th ranks.

Students of Dr.YSRHU-Horticulture Polytechnic, Kalikiri have obtained 2nd, 5th, 6th, 14th, 15th, 16th, 22nd, 23rd, 24th, 28th, 29th and 30th Ranks .

ELP Activities

ELP Activity- Presentation of Activities by ELP Students

On 15.11.2022, CoH, Anantharajupeta, ELP students presented their activities in the presence of Dr. K.Gopal, Associate Dean, who evaluated the presentations and gave necessary suggestions to all ELP module students for further improvement.



NSS Activities

On 04-11-2022, as a part of NSS activities, Horticulture Polytechnic, Kalikiri students cleaned the premises of girls, boys hostels, college and office building.



On 05.11.2022, training programme was organised to train NSS volunteers on advanced English learning.

Training Programme on "Mechanization in Horticulture" and field visit to KVK, Kalikiri for Horticulture Diploma students of HPT, Kalikiri on 10/11/2022



RHWEP Activities

Rythusadassu cum exhibition



As a part of RHWEP, the Students of COH, Anantharajupeta, allotted to KVK, Vonipent organized Exhibition cum Rythusadassu at Settivaripalli on 05-11-2022. The programme was graced by Dr. K.Gopal, Associate Dean, Dr. N. Srividyanani, Coordinator, KVK programme, Dr. P.T.Srinivas, Associate Dean representative and students along with the farmers participated in the programme.

As a part of RHWEP, the Students of COH, Anantharajupeta, allotted to KVK, Periyavaram organized Exhibition cum Rythusadassu at Arimanupadu, Ojilli mandal on 14-11-2022. The programme was graced by Dr. K.Gopal, Associate Dean, Dr.B.Govindarajulu, Coordinator, KVK programme, Dr. G.Thanuja Sivaram, Associate Dean representative and students along with the farmers participated in the programme.



RHWEP students conducted RythuSadassu and exhibition at RBK, Peddaorampadu village on 14-11-2022. Dr.K.Gopal, Associate Dean, Dr.K.T.Ramana, Principal Scientist & Head, HRS, Anantharajupeta along with staff participated the programme



Dr. Ch.Ruth, AD representative, COH, Anantharajupeta participated in Rythu Sadassu and exhibition conducted by RHWEP students in Bukkapuram village of Nandyal (M) on 07-11-2022. Dr. RVSK Reddy, Associate Dean, N.S. college affiliated to Dr.YSRHU, Markapuram, Dr. K.Subramanyam, Principal Scientist (Pl.Path.), Dr.M. TogoreNaik, Sr.Scientist (Hort) and final year BSc. (Hons.), Horticulture RHWEP students



of both colleges participated and presented their experiences and knowledge gained in host farmers fields. Farmer - scientist interaction was conducted and stressed on management of diseases in banana and turmeric. As a part of RHWEP the final viva-voce was conducted on 20-11-2022, to the final year RHWEP students at HRS, Mahanandi.



On 14.11.2022 Rythu sadassu was organized by RHWEP students of COH, Chinalataripi at KVK, Periyavaram. Students displayed different modules on Organic farming, Vertical garden, Multi storied cropping, Kitchen garden, Types of nursery beds etc and created awareness among the farmers. Dr. S.S. Vijaya Padma, Associate Dean and RHWEP incharge Dr. C. Sarada, Professor (Hort.) attended the programme.

On 5-11-2022, RHWEP (college of Horticulture, Parvathipuram and VR Gudem) students of Dr. YSRHU - HRS, Ambajipeta conducted Ryhusadassu programme as per the RHWEP programme. In this programme the students organized exhibition and conducted roleplays on roles of RBKS and village sachivalayam. The programme was inaugurated by the Honourable Vice chancellor, Dr. T. Janaki Ram, Dr. YSRHU. In this programme, Dr. A. Padmavathamma, Dean of Horticulture, Dr. YSRHU, Dr. E. Karunasree, Director of Extension, Dr. Prasanna Kumar, Associate Dean, COH, Parvathipuram, Dr. M. Madhavi, Associate Dean, COH, Vrgudem, Dr. B. Srinivasulu, Principal scientist and Head, Dr. YSRHU - HRS, Ambajipeta and scientists of the Dr. YSRHU - HRS, Ambajipeta, Rhwep associate dean representatives, Host farmers and RHWEP students were participated.

On 14.11.2022, RHWEP students of Dr YSRHU- College of Horticulture, Anantharajupeta allotted Dr YSRHU- HRS, Anantharajupeta had organized Rythu sadassu cum exhibition at Peddaorampadu Village of Obulavaripalli mandal. Dr K. Gopal, Associated Dean graced the occasion as Chief Guest and addressed the gathering. Dr K. T. Venkata Ramana, Principal Scientist (H) & Head, Scientists of HRS, Anantharajupeta, Associate Dean's Representative, VHA and 50 members of farmers were participated in the programme. Sri. G. Sandeep Naik, Scientist (Pl Path), HRS, AR Peta had coordinated the programme.



A Rythu Sadassu was organized by the RHWEP students allotted to HRS Kovvur on 11.11.2022. Dr A S Padmavathamma, Dean of Horticulture, Dr E Karuna Sree, Director of Extension, Dr M Madhavi, Associate Dean COH, VR Gudem and Dr B Prasanna Kumar, Associate Dean, COH, Parvathipuram, Dr G Ramanandam, Principal Scientist (Hort) & Head, HRS Kovvur, all the Scientists, HRS, Kovvur, Dr.Nagalakshmi, Associate Dean's representative, CoH, Parvathipuram, Dr.Udayasree, Associate Dean's representative, CoH, Venkataramannagudem and farmers from different villages participated in the programme. An exhibition depicting various technologies of horticultural crops was displayed and cultural programmes were also performed by the students.



On 14/11/2022, RHWEP students allotted to KVK, Periyavaram from CoH, Anantarajupeta and Chinalatarapi organized Rythusadassu and Exhibition at adopted village Arimenupadu (Vice-Chancellor to Village Programme). Dr.K.Gopal, Associate Dean, Dr.YSRHU, CoH, Anantarajupeta, Dr.S.S.Vijaya Padma, Associate Dean, Dr.YSRHU, CoH, Chinalatarapi, Dr.B.Govinda Rajulu, Principal Scientist and Head, KVK Periyavaram, Dr.G.Tanuja, Associate Professor, COH, Anantarajupeta and Dr.C.Sarada, Professor, COH, Chinalatarapi were the chief

guests of the programme. Students exhibited models on IPM practices in Horticulture crops, Hydroponics, Terrace gardening, vertical gardening, Integrated Farming system, Bottle gardening etc. All the scientists of KVK, ZPTC and MPTC, Arimenupadu, VHA of RBK and farmers of Arimenupadu, Inugunta and Gurramkonda participated in the programme.

On 05-11-2022, Rhythu Sadassu conducted by the RHWEP students at Settivaripalli village of Mydukur mandal. Chief guests for the programme, Honourable Dr.K. Gopal, Associate Dean, College of Horticulture, Anantharajupeta, Dr. P.T. Srinivas, Associate Dean representative, College of Horticulture, Anantharajupeta, Dr.Dr.Srividya Rani N, Scientist and Head (Extension) and Dr. M. Harshitha, Scientist (SSAC), KVK, Vonipenta, Dr. B. Hari Vara Prasad, Associate Dean representative, College of Horticulture, Anantharajupeta, Dr. S. Firoz Hussain, Scientist (Horticulture), Dr. B.S. Kanthi Sri, Scientist (Home Science) from Krishi Vigyan Kendra, Vonipenta, Sri Prathap Reddy, BJP leader, participated in the programme.



On 9.11.2022 I.Rajeevana Scientist (Soil Science) explained the RHWEP students on how to collect soil samples in Horticultural crops. It is for fruit crops digging the pit considering soil depth, physical characters of soil, presence of layers of rock, calcium carbonate in soil. Collection of soil sample in field level crops and vegetables also explained. Trained the students how to collect soil samples, quartering technique and precautions while collecting the soil samples. With the above

training RHWEP students collected soil samples in their host farmers field and submitted to KVK, mini soil testing lab for further analysis. In this programme Dr.B. Vijayasree scientist Home Science KVK, Periyavaram, RHWEP students participated.

Research

In the experiment entitled studies on coconut harvesting frequency on growth and yield of coconut, imposed 2nd treatment i.e harvesting tender nut at bi monthly intervals.

Nylon fish net was wrapped in young coconut palms against Rhinoceros beetle and observed the 3 beetles were trapped in that nylon net.

In vitro screening of latest systemic fungicides against stem bleeding disease causing pathogen *Theilaviopsis paradoxa* tested at 100 ppm, 250 ppm and 500 ppm. Carbendazim 46.27% SC followed by Hexaconazole 5% + Validamycin 2.5% SC showed 94.44 percent and 73.61 % inhibition over control respectively at lowest concentration.

Germplasm Collection

Under ICAR-AICRP on Tuber crops DRYSRHU-HRS Kovvur collected open pollinated seed of Elephant foot yam and irritant yams from Achanta of West Godavari district on 10.11.2022. Also two species of *Dioscorea* viz *Dioscorea oppositifolia* from Beerampalli of village of Rampachodavaram and *Dioscorea alata* from Chintapalli mandal were collected from Alluri Seetahramaraju District on 3.11.2022 and were conserved for further evaluation and multiplication



SC Sub Plan Programme



identified farmers in Ainavillimandal.

Under SC Sub plan Programme of ICAR AICRP on Tuber crops, awareness was created to the farmers on cultivation of elephant foot yam and identified the farmers by conducting field visits on 1.11.2022 and 60 tonnes of elephant foot yam var. "Gajendra" seed was distributed to the farmers on 10.11.2022 to the

On Farm Trial

On 01-11-2022, Dr. Venkata Satish Kuchi, KVK, Venkataramannagudem, visited villages of Nallajerla and Tadepalligudem mandals, identified watermelon farmers and distributed seed for "Assessment of watermelon var. Arka Shyama" as a part of technical programme of work and initiated the trail.



On 04.11.2022, Dr. D. Thirupal, Scientist (Horticulture), Krishi Vigyan Kendra, Periyavaram conducted follow-up field visit to On Farm Trail(OFT) on "Assessment of Ridge gourd Varieties (Arka prasan & Arka Vikram)" at Petlur Village, Venkatagiri (M), Tirupathi (Dt.).

Dr.YSRHU- KVK, Periyavaram - On 9.11.2022 Dr.B.Vijayasree, Scientist (Home Science) conducted 'On Farm Trial (OFT) on "Assessment of Nutritionally enriched products by dehydrated Moringa leaf powder" at Anganwadi centre and Sachivalayam of adopted village (VC to Village) Arimenipadu, ozili (M). The beneficiaries enlightened on the nutritional importance of Moringa leaf powder by preparing value added products like Moringa chikki which is rich in Protein, calcium, Iron and all other anti-oxidants and is useful for combating malnutrition and nutritional anaemia among women and children in rural areas. The organoleptic properties were assessed by conducting sensory evaluation for the Moringa chikki and traditional chikki. In this programme I.Rajeevana, Soil Scientist, KVK, Periyavaram, SHG women, rural youth, village volunteers & AW teachers participated.



On 05.11.2022 Dr. D. Thirupal, Scientist (Horticulture), Krishi Vigyan Kendra, Periyavaram visited the Chilli Nursery field (LCA-625) as a part of On Farm Trail(OFT) on "Assessment of Chilli varieties in Nellore District " at Adopted village of Arimanupadu, Ojili (M), Tirupathi (Dt.). Dr. P. Nagarjuna Reddy, Scientist (Agri. Extension) and P. Vamsi Vardanachari, VHA (Arimanupadu) Smt. Ajitha (APCNF), Farmers and RHWEP are participated.

On 03-11-2022, Dr. M. Harshitha, Scientist (SSAC) and Dr. S. Firoz Hussain, Scientist (Horticulture) conducted follow up visit on OFT in Black gram at Vonipenta village of Mydukur mandal. Black gram crop at 15 days of age and scientists observed Sulphur and magnesium deficiency and recommended foliar application of Magnesium sulphate @ 5 gm per litre for the immediate effect.



On 03.11.2022, 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), Krishi Vigyan Kendra, Vonipenta distributed the pheromone traps, neem oil, *Trichoderma viride* and profenophos to the farmers as a part of OFT on "Assessment of integrated pest and disease management in Brinjal".

Vice-Chancellor to Village Activities

On 08.11.2022 I.Rajeevana, Scientist (Soil Science & Agril.Chemistry) conducted Training programme to Village women at sachivalam and Anganwadi center of adopted village (VC- Village) Arimenipadu. Explain how to utilise the generated kitchen waste and other organic wastes. Enlightened farmers regarding the usage of kitchen waste compost to the vegetable plants and how healthily we can get vegetables and leafy vegetables.conducted demonstration and kept the wastage aside for composting. In this programme scientist Dr.B.Vijayasree, Scientist (home science), KVK Periyaram, rural women, rural youth, Anganwadi teachers participated.



As a part of Vice-Chancellor to Village Program-Dr. YSRHU-COH, VRG, NSS Cell has organised Vanamahotsavam - plantation of *Simarouba glauca* (Paradise Tree) plants (40 nos) at Grama Sachivalayam/RBK, Prakasaraopalem on 03.11.2022. Chief Guest, Dr. T. Janakiram, Hon'ble Vice-Chancellor, Dr. YSRHU addressed the gathering and village elders expressed their thankfulness for the valuable and continuous support they are receiving from Dr.YSRHU. University Officers Dr. A.Padmavathamma, DH, Dr. S.Surya Kumari, Dean PG, Dr. B.Srinivasulu, Registrar, Dr. K. Dhanunjaya Rao, DIIP, Dr. E. Karunasree, Dr. YSRHU participated in the program.Dr. D. R. Salomi Suneetha, DSA, Dr. M. Madhavi, Associate Dean, Dr. R. V. Sujatha, Dr.A. Harshavardhan NSS POs coordinated the program.

On 15-11-2022, Smt. B. Neeraja, Scientist (Plant Pathology) and Dr. G. Koteswara Rao, Research associate (Hort.) proceeded to vakalagaruvu village as part of VC to village programme along with RHWEP students and created awareness on planting of horticultural crops in the premises of schools, RBKs and village secretariats etc.



Dr. B. Babu Rao, Scientist (Hort.) and Dr. M. Naveen Kumar, Scientist (Agril.Engg.) visited the adopted village "Yadavolu" during the VC to Village programme and interacted with F.P.O farmers and given recommendations on integrated nutrient management and disease management in vegetable crops. Further visited Zilla Parisath High School and explained about the importance of Horticulture crops and rising nutri gardens/kitchen gardens to the students.

On 05.11.2022, as a part of VC to Village programme, training programme on "Integrated crop management (ICM) in Chilli & Brinjal" conducted by Dr. D. Thirupal, Scientist (Horticulture), KVK,Periyavaram at RBK of Arimanupadu, Ojili Mandal, Tirupati (Dt) and explained about different ICM practices in Chilli & Brinjal crops and also distributed the different inputs viz., Pheromone traps, yellow & blue sticky traps to the beneficiary farmers. Dr. P. Nagarjuna Reddy, Scientist (Agri. Extension), G. Raghurama Raju, MPTC of Arimanupadu,P. Vamsi Vardanachari, VHA (Arimanupadu), farmers and RHWEP students were participated in this programme.



Training Programmes

One day training Programme on “Good agricultural practices in Banana” sponsored by CARE India Rajahmundry was organized at DrYSRHU-HRS Kovvur on 15.11.2022 and Dr G Ramanandam ,PS (Hort) & Head, Dr K Ravindra Kumar, Senior Scientist (Hort), Dr Ch.S.Kishore Kumar Senior Scientist (PI Path) and Dr A Snehalatha Rani,Scientist (PI Path) delivered lectures on different aspects for the better crop production.



On 3.11.2022 Dr.B. Vijayasree, Scientist (Home Science) Dr.YSRHU –KVK, Periyavaram conducted “Training on Nutrition sensitive Horticulture and Nutrition literacy, enlightened on concepts like Nutri smart village, establishment of nutrigardens, Poshan Thaali, growing of nutritional crops like millets and bio-fortified varieties for ensuring food and nutritional security for the farming community. Also explained about promoting nutritional literacy among Farmwomen to tackle malnutrition, assessment of available family resources by adopting drudgery reduction technologies at household level, also in agriculture & allied activities. In this programme SERP –VO leaders, RBK team and RHWEF Students participated.

On 01.11.2022, Dr.YSRHU-Krishi Vigyan Kendra, Venkataramannagudem conducted one training program on Fisheries based Integrated farming system to the farmers. In this Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science) explained about composite fish culture, disease management, water quality management, breeding techniques and backyard fish rearing and Dr.T.Vijaya Nirmala, Scientist (Veterinary Science) explained about importance of azolla in feeding to fish, role of weed plants in breeding of fishes and backyard poultry rearing as component of integrated farming system.



On 02.11.2022, Dr.YSRHU-Krishi Vigyan Kendra, Venkataramannagudem conducted one training program on “Integrated Fisheries cum Poultry rearing” to field functionaries of SEVA NGO from Chinthalapudi mandal. In this, Dr.E.Karunasree, Principal Scientist & Head, KVK explained about importance of Integrated farming system in doubling the farmers income and Dr.T.Vijaya Nirmala, Scientist (Veterinary Science) explained about Poultry feeding, health management, brooding management, measures to improve egg production, incubation, deworming and vaccination. Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science) explained about composite fish culture, pond management, ornamental fish rearing techniques and backyard fish rearing.



04.11.2022, Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), Dr YSRHU-KVK, Venkataramannagudem participated as resource person in “Community Level Event on Awareness on Entrepreneurship in Agri-allied sectors” program organised by GAVL in Association with Development Alternatives, New Delhi at Chinthampalli village, Chinthalapudi mandal, Eluru district. In this program DPD, DRDA, Eluru, Deputy General Manager- HR Godrej Agrovet Limited, Chinthampalli, Sarpanch, Chinthampalli, Secretary, SEVA-NGO participated.



Polam Badi-Rythu Sikshana

On 09.11.2022, Dr. S. Firoz Hussain, Scientist (Horticulture) participated in Polam badi – Rythu Sikshana programme jointly organized by KVK, Vonipenta and Dalmia foundation at Peddakomerla village, Mylavaram mandal. In the meeting, the scientist explained the farmers about the cultivation practices followed in cotton along with insect – pest and diseases control in cotton. The meeting was attended by Sri. Rama Raju, manager, Dalmia foundation and 25 farmers.



On 11.11.2022, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. B. Sri Kanthi Sri, Scientist (Home Science) Krishi Vigyan Kendra, Vonipenta attended Dr. YSR Polambadi Divisional Training Programme to ADA, VHAs and VAAs organized by DTC at Mydukuru Mandal. The scientists explained about package of practices followed in banana, cotton and bengalgram crops to VHAs and VAAs. The meeting was attended by Dr. Murali Krishna, Coordinator, DAATC, Kadapa, Sri. Krishna Murthy, ADA, Mydukuru division, Sri. Nagaraju, ADA, Badvel division and Smt. Padmaja, AO, Mydukuru.

Visits

On 4-11-2022, Honourable chairperson Sri. Koyye Moshenu Raju garu visited Dr. YSRHU - Horticulture Research station, Ambajipeta farm and biocontrol labs, the scientists of Dr. YSRHU - HRS, Ambajipeta explained in detail about the research station activities and biocontrol management of pests and diseases.



Sri M.V.S. Nagi Reddy garu, Vice Chairperson, Rank Cabinet Minister, AP Agriculture Mission has been visited the Dr. YSRHU – Horticultural Research Station, Peddapuram on 09.11.2022 and reviewed the research station activities and also visited tapioca and sweet potato fields.

Dr.B.Srinivasulu, Principal Scientist & Zonal Research Head, Coastal Zone – I has been visited the Dr. YSRHU – Horticultural Research Station, Peddapuram on 10.11.2022 and reviewed the research station activities and also visited tapioca and sweet potato fields.



The staff and students of Jawaharlal Navodaya Vidyalaya school, Peddapuram have been visited the Dr. YSRHU – Horticultural Research Station, Peddapuram on 14.11.2022 and also visited tapioca and sweet potato fields.

Field Visit (CFLD Pulses):

On 12.11.2022 Field visit to Black gram crop under CFLD Pulses programme at Arimenupadu village, Ojili Mandal. TBG - 104 Black gram variety given for demonstration is at Vegetative stage and observed incidence of leaf eating caterpillars. Suggested for spraying of Chlorpyrifos 2.5 ml/lit of water. CFLD Pulses Programme in-charge Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) enlightened beneficiaries regarding prophylactic package like spraying neem oil for the management of pests.



On 14.11.2022, Dr. B. Sri Kanthi Sri, Scientist (Home Science) and Dr. S. Firoz Hussain, Scientist (Horticulture), from Krishi Vigyan Kendra, Vonipenta initiated Front line demonstration on intercropping of pulses and millets to the farmers of Lavanur village of Pulivendula mandal. Under this GBG 1 variety Black gram (4 Kg) and SiA 3088 variety foxtail millet (1 Kg) was provided to the 10 farmers to cultivate under intercropping system. This intercropping system was opted under the sub-head of family nutrition. Through

this intercropping of pulses and millets farmer family can get enough millet grains and pulses for their family consumption to meet nutritional requirement levels.

On 1.11.2022 Dr V.Deepthi, Scientist (Agril Extension) Dr.YSRHU-KVK, Venkataramannagudem has conducted the black gram field visits under cluster frontline demonstration on pulses under NFSM at nachugunta village of unगतuru mandal and suggested the management practices



On 09.11.2022, KVK Venkataramannagudem demonstrated the usage of Agricultural drones in various crops. Dr T Janaki Ram, Honourable Vice Chancellor inaugurated the programme of the day. Dr E Karuna Sree, Principal scientist & Head coordinated the programme. Dr M. Raghavendra Reddy,

Scientist (SS&AC) and Dr K Venkata Sathish, Scientist (Horticulture) were organised the sprayings (both pesticides and nutrients) using Agricultural Drones in Bhendi, Coccinea, Bitter Gourd, Coconut, Citrus and Black Gram. All scientist of KVK Venkataramannagudem were participated in the programme.



Diagnostic Visits

On 09-11-2022 visited Settigunta, Rly. Kodurmandal and observed severe incidence of snails in banana, papaya, coconut, tomato, bhendi, marigold etc. Dr. G.Sarada, Assoc. Pro. (Ento.), Dr.Ch. Ruth, Prof. (Pl.Path.), Dr. K Swarajya Lakshmi, Prof. (Horti.), Dr.Nichala, Asst.Prof. (Ento.) observed the incidence of snails and suggested suitable control measures.





As a part of VC to Village program, Dr.Ch. Ruth, Professor (Pl. Path), Dr.K.Swarajya Lakshmi, Prof (Hort.), along with final year students visited papaya nursery of Sri K.Narasimhulam, Y.Kota (vil) on 8-11-2022 and observed damping off and suggested spraying of Metalaxyl @ 2 g/l. of water.

On 03.11.2022, Dr. S. Firoz Hussain, Scientist (Horticulture) and Dr. M. Harshitha, Scientist (SSAC), Krishi Vigyan Kendra, Vonipenta made a diagnostic field visit in the farmers field. The scientists observed sigatoka leaf spot in banana and recommended to spray Keleol (mineral oil) @ 8.0 ml litre⁻¹ followed by spraying of tilt @ 2.0 ml litre⁻¹ + Bavistin @ 2.0 g litre⁻¹ and Nativo @ 2.0 g litre⁻¹. The scientists also suggested the farmers to remove side suckers in banana.



On 03-11-2022, Dr. M. Harshitha, Scientist (SSAC) Dr. S. Firoz Hussain, Scientist (Horticulture) conducted diagnostic field visit in Tomato field at Vonipenta village of Mydukur mandal. Scientists observed the yellowing of older leaves, suggested to application of urea to the field, and observed the blackening of ends of fruits due to high moisture content.

Exposure visit

On 5.11.2022 KVK, Venkataramannagudem conducted exposure visit under ‘Udyana Yatra’ to St.Theresa’s degree college students, Eluru. They were exposed to the demonstration units of KVK, HRS, CoH, Museum, CoE Venkataramannagudem.



Dr.G.Sarada, Assoc.Prof.(Ento.), Dr.Y.Sireesha, Asst.Prof. (Pl.Path) and Dr. N.Vinod Kumar, Asst.Prof.(Flori.), acted as resource persons for practical exposure visit to Dr.YSRHU- CoH, Anantharajupetato 40 DAESI input dealers organised by ARS, Utukur, Kadapa designed by MANAGE, Hyderabad on 11.11.2022.

On 12.11.2022, TV programme on dry flower technology waste-casted in 10 TV, Matti Manishi. In this programme. Dr M. Raghavendra Reddy, Scientist (SS&AC) explained about dry flower technology and facility in KVK for this technology.



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

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

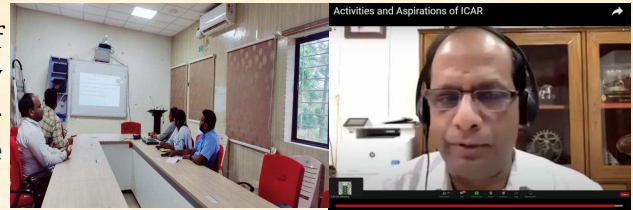
Date	Topic
01-11-2022	రేగులో యాజమాన్య పద్ధతులు శ్రీమతి బి.విమల, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతపురము
02-11-2022	అరటి తోటల పెంపకంలో మేలైన యాజమాన్య పద్ధతులు శ్రీ జి.వి.దత్తారెడ్డి, శాస్త్రవేత్త, అరటి పరిశోధన స్థానం, పులివెందుల
03-11-2022	పాడి పశువులలో పొదుగును ఆశించే వ్యాధులు మరియు వాటి నివారణ చర్యలు డా.ఎస్.లావణ్య, రీసెర్చ్ అసోసియేట్, కె.వి.కె, వోనిపెంట
04-11-2022	కంద, చేమ, పెండలంలో ఎరువులు యజమాన్యం డా.కె.మమత, ప్రధాన శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, కొవ్వూరు
05-11-2022	మామిడి తోటలలో చేపట్టవలసిన మేలైన యాజమాన్య పద్ధతులు డా.తిరుపాల్, శాస్త్రవేత్త, కె.వి.కె, పెరియవరం
07-11-2022	తేనెటీగల పెంపకంకు అనువైన సమయం - పరిశ్రమ స్థాపనకు తీసుకోవలసిన జాగ్రత్తలు డా.ఎస్.ఆదర్శ, శాస్త్రవేత్త, కె.వి.కె, పందిరిమామిడి
08-11-2022	మునగ పంట సాగులో పాటించవలసిన యాజమాన్య పద్ధతులు డా.ఎం.ముత్యాల నాయుడు, ప్రధాన, శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, దర్శి
09-11-2022	నల్ల మిరియాలలో తెగుళ్లు మరియు వ్యాధులు - నివారణ యాజమాన్య పద్ధతులు శ్రీమతి సి.హెచ్.బిందు, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, చింతపల్లి
10-11-2022	ఉద్యాన పంటలలో సమీకృత పోషక యాజమాన్య పద్ధతులు ప్రాముఖ్యత డా.కె.వెంకట సతీష్, శాస్త్రవేత్త, కె.వి.కె, వెంకటరమన్నగూడెం
11-11-2022	కొబ్బరిలో గానోడిర్మా తెగులు యజమాన్యం డా.వి.గోవర్ధన్, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అంబాజీపేట
14-11-2022	తీగజాతి కూరగాయల సాగులో మెళుకువలు డా.వి.రమణ. ప్రిన్సిపాల్, ఎస్.ఎస్.పి.జి. ఉద్యాన పాలిటెక్నిక్, మడకశిర
15-11-2022	ఉల్లిలో ఎరువులు, కలుపు మరియు నీటి యజమాన్యం డా.ఎం.తాగూర్ నాయక్, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, మహానంది

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 first fortnight of November, 2022.

S.No.	Date	Topic	Scientists/teachers of Dr.YSRHU (subject expert)
1	04.11.22	బిత్తాయి, నిమ్మ తోటల్లో పోషక లోప లక్షణాలు – నివారణ మరియు కాయలు రాలుట – అరికట్టే విధానం	Dr.B.Govindarajulu, Principal Scientist & Head, Dr.YSRHU-KVK, Periyavaram.
2	07.11.22	ఉల్లిలో మేలైన సస్యరక్షణ చర్యలు	Dr.K.Subramanyam, Principal Scientist & Head, Dr.YSRHU-HRS, Mahanandi.
3	11.11.22	అధిక వర్షాల వలన కూరగాయ పంటలలో వచ్చే సమస్యలు మరియు యాజమాన్య పద్ధతులు	Dr.M.Ravindrababu Senior Scientist (Horticulture), Dr.YSRHU-HRS, Venkataramannagudem
4	14.11.22	కూరగాయ సాగులో పోషకలోప లక్షణాలు – నివారణ	Sri P.Rajashekhar, Scientist, Dr.YSRHU-KVK, Pandirimamidi

On 11th and 14th november,2022 scientific staff of kvk venkataramannagudem participated virtually on revitalizing ICAR:Aspirations and activities action plan meeting. in this DDG(CS) explained the activities and aspirations of ICAR



On 11.11.2022, Dean of Horticulture, Dr A S Padmavathamma, Director of Extension, Dr E Karunasree, Associate Dean, CoH, VR Gudem, Dr M. Madhavi and Associate Dean COH Parvathipuram Dr B Prasanna Kumar visited HRS Kovvur and visited the experimental plots.

General

Dr. NBV Chalapathi Rao, Principal Scientist (Ento.) participated in 50th International cocotech conference and Exhibition organized by ICC, Indonesia from 7-11th November, 2022 held at Kuala Lumpur, Malaysia and presented the paper on Rugose spiralling whitefly in coconut and later awarded with third winner of the world coconut day, 2022 under the best coconut scientist category from India.

On 01.11.2022, Dr K. T. Venkata Ramana, Principal Scientist (H) & Head, Dr Y. Sharath Kumar Reddy, Scientist (Pl Phy) and G. Sandeep Naik, Scientist (Pl Path) from Dr YSRHU- HRS, Anantha-rajupeta participated in technical review by QRT team of technical programmes carried out from 2017-2022. Scientists presented the work done report for the period of 2017-2022 pertaining to papaya experiments.

Dr. B. Srinivasulu, Zonal Research Head, Coastal zone-I, Principal scientist and Head, Dr. YSRHU - HRS, Ambajipeta proceeded to Dr. YSRHU – HRS, Peddapuram and discussion were made on the technical programme and later followed by the field visit of the station

Dr. K.Gopal, Associate Dean, COH- Anantharajupeta, participated in XVIII, AZRA international conference on “Advances in Applied zoological research towards food, feed and nutritional security and safer environment on 10-12 November 2022” along with Dr B. Vasanthraj David awardees from 2006 to 2020, at OUAT , Bhuvanesar.

On 10-11-2022, Sri. A. Kireeti, scientist (Horticulture) participated in the agri and allied sectors interaction with farmers meet chaired by MVS Nagireddy garu, pilli Subhash Chandra Bose garu and Vanga Geetha Garu at Krishi Bhavan, Kakinada

Dr.K.Swarajya Lakshmi, Prof Horticulture has visited S.V. Agricultural College, Tirupati on 06-11-2022 and interacted with Final Year B.Sc(Ag), ELP students and discussed regarding their processed products exhibiting and selling in college stall.



Dr.YSRHU-KVK, Venkataramannagudem Demonstrated use of Drones in various Horticultural crops for effective Pest & Diseases Monitoring and Crop Management

Patron: **Dr T.Janakiram**, Vice-Chancellor

Editors: **Dr.A.S.Padmavathamma**, Dean of Horticulture

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