



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

16-31 December 2021

Fortnight Focus

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From Vice-Chancellor's Desk

HAPPY NEW YEAR - 2022

Dr.YSRHU Accomplishments - 2021

Dr.YSR Horticultural University (Dr.YSRHU) is functioning with a mandate to develop human resource through Education, Research and Extension with 42 institutions comprising of 4 Colleges of Horticulture, 4 Horticultural Polytechnics, 19 Research Stations and 4 Krishi Vigyan Kendras in the Government sector, 4 Private Horticultural Colleges and 7 Private Horticultural Polytechnics affiliated to this University are functioning under the control of the University.

The university has awarded Horticultural degrees so far to 2654 students (2125 in B.Sc (Hons.) Horticulture, 467 in M.Sc (Horticulture) and 62 in Ph.D).

New initiatives were taken by the university

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| <ul style="list-style-type: none"> • e-office • Dr.YSRHU new website • Employee Health Scheme (EHS) • Horti Business Incubation Centre (HBIC) • Coconut Graduate Readiness Programme • Dialogue with Horti Students on Experiential Learning Programme (ELP) Experiences : Way Forward • Admissions into B.Sc (Hons.) Horticulture under NRI/ NRI sponsored • Conducted 4th Convocation • Dr.YSRHU 13 varieties notified at National Level by Central Variety Release Committee. • Commercialization of Dr.YSRHU technologies • Dr.YSRHU technological support to RBKs • Book Chapter on Kadiyam nurseries • Farmers Advisory Cell (FAC) & Plant Protection Advisory Cell (PPAC) | <ul style="list-style-type: none"> • Village adoption under Vice-Chancellor to Village programme "మన గ్రామము మన విశ్వవిద్యాలయం" (42 villages by 42 institutes under Dr.YSRHU) • Dr.YSRHU Year of Coconut 2020-21 & Dr.YSRHU Year of Citrus 2021-22 • Community Radio Station • Phone-in Programmes • Udyana Vani (90.8 FM) • Udyana Mitra • Webinars & Technical Support to RBKs • Udyana Varthalu • e-Extension activities • Dr YSRHU Youtube Channel • HRD trainings to officers, teachers, scientists, non-teaching staff & drivers. |
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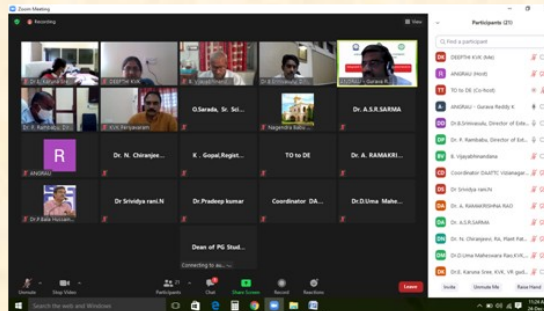
30/12/21

Dr T.Janakiram
Vice-Chancellor

The Events

Brain Storming Session on “Transfer of Technologies / Digital Approaches”

Dr.YSRHU, ANGRAU, SVVU and Andhra Pradesh Agriculture Mission jointly organized Brainstorming session on “Transfer of Technologies/Digital Approaches” on 24 December 2021 by virtual mode. Through discussions evolved recommendations & action points. Dr.B.Srinivasulu, Director of Extension, Dr.YSRHU acted as convener and Dr.K.Gurava Reddy, TS to Vice-Chancellor, ANGRAU acted as co-convener of the session. Scientists, officers of Department of Horticulture / Agriculture and farmers have participated in the programme.



Brain Storming Session on “Crop Planning and Crop diversification and Integrated Farming Systems”

Dr.YSRHU, ANGRAU, SVVU and Andhra Pradesh Agriculture Mission jointly organized Brainstorming session on “Crop Planning and Crop diversification and Integrated Farming Systems” on 31 December 2021 at KVK, Venkataramannagudem. Dr.T.Janakiram, Vice-Chancellor, Dr. YSRHU and Sri M.V.S. Nagi Reddy garu Vice-Chairman Andhra Pradesh State Agriculture Mission participated



and suggested points on crop diversification and Integrated Approaches for profitable Agriculture/ Horticulture in the State. Dr. R.V.S.K. Reddy Director of Research acted as Convener for the programme and university Officers Dr. B. Srinivasulu, Director of Extension, Dr. K. Gopal, Registrar, Dr. A.S Padmavthamma, Dean of Horticulture, Dr. A. Sujatha Dean of Student Affairs, Dr. D.V. Swami University Librarian, Dr. K. DhanumjayaRao, Director, DIIP participated and expressed their views. Progressive farmers, Scientists and Department Officers from all the districts presented their experiences regarding the thematic area. Dr. E. KarunaSree Principal Scientist and Head presented the successful interventions for crop diversification and Integrated Farming Systems implemented by KVK in its operational areas. Scientists, officers of Department of Horticulture / Agriculture and farmers have participated in the programme.

Education

Hon'ble Vice-Chancellor visit to CoH, Chinalataripi

Dr.T.Janakiram, Hon'ble Vice-Chancellor visited CoH, Chinalataripi on 21 December 2021, inaugurated English Laboratory and interacted with teaching, non-teaching staff and students of CoH, Chinalataripi



RHWEP Activities

ICAR-RHWEP students viva voce was conducted at CTCRI, Trivandrum on 16 December 2021. Dr.G.Thanujasivaram , Associate Dean Representative had participated in the programme. In the concluding session,Dr.M. Sheela, Director, CTCRI hasmade her presence and interacted with the students and got impressed by the presentation done by the students.



Dr. K. M. Yuvaraj, Professor (Hort.), Associate Dean representative of College of Horticulture, Anantharajupeta organized exhibition cum Rythusadassu at Tirupati, Chittoor district on 22 December 2021 and interacted with farmers and students of RHWEP.

RHWEP students from Sri Krishna Devaraya College of Horticultural Sciences, Anantapuramu visited Post harvest laboratory at CoH, Anantharajupeta on 21-12-2021, Mr. Lokesh, Ph. D scholar ,Fruit Science had explained about measurement of fruit firmness using digital fruit penetrometer.



Dr. R.Nagaraju, Principal Scientist (H) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (H) and Dr. D. Srinivas Reddy, Senior Scientist (Eno), in charge of RHWEP, Citrus Research Station, Tirupati attended Rythu Sadassu and exhibition conducted by the RHWEP students at C. Ramapuram on 18 December 2021 along with AD representatives, Dr. M. Yuvaraj, Professor (Hort) and Dr. P.T. Srinivas, Professor

(Hort) CoH, A R Peta.

PG orientation

For the newly admitted students of M.Sc. (Horticulture) and Ph.D. (Horticulture) for the academic year 2021-22, orientation programme was conducted by Dr M. Madhavi, Professor (Horticulture) & OAM-PG under the chairmanship of Dr. K. Uma Jyothi, Associate Dean on 30-12-21. Dr. A. Sujatha, Dean of Student Affairs and Dean of PG studies addressed the students regarding PG regulations. Teaching staff and students participated in the programme.



NSS Activities

NSS cell along with students, teaching and non-teaching staff of College of Horticulture, Anantharajupeta distributed necessary food and kitchen items on 31-12-2021 to 58 flood affected families at Thogurupeta village near Nandalur, who were severely affected by recent floods. Dr. K. Swarajya Lakshmi, Professor(H), Dr. LalithaKadiri, Associate Professor (Agro) & NSS Programme Officer, Dr. T. Ravi Kumar, TA, Dr. Firoz Hussain, TA, other staff and students participated in the programme.



Students participation in throw ball competitions

Ms Sreedevi and Ms Harika of 2nd year of College of Horticulture, VR gudem have participated in the state level throw ball championship at Ananthapur from 25th - 26th December, 2021 from West Godavari District. Ms Sreedevi selected for nationals to participate in the throw ball Championship to be held at New Delhi in the ensuing year.

Dr. T. Janakiram, Hon'ble Vice Chancellor, Dr YSRHU, University officers Dr. R.V.S.K. Reddy, Director of Research and Dr. B. Srinivasulu, Director of Extension, complemented the participants. Dr. K. Uma Jyothi, Associate Dean, Dr. V. Sudha Vani, Associate Professor (Horticulture) & OSA and Dr. S. Sitaram, PD supervised the event.



ICAR-SCSP

Dr. T. Janakiram, Vice- chancellor, Dr YSRHU inaugurated the Bank Coaching for the students of College of Horticulture, Venkataramannagudem on 27-12-21 grants received under ICAR-SCSP. Principal Investigators of SCSP viz., Dr. T. Suseela, Professor, Dr. M. Kalpana, Professor and Dr. N. Emmanuel, Associate Professor conducted the event under the chairmanship



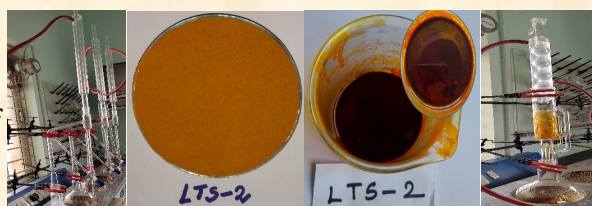
of Dr. K. Uma Jyothi, Associate Dean. Teaching staff and students participated in the programme.



Principal Investigator of SCSP Dr. T. Suseela, Professor (Horticulture) organised awareness programme on "Commercial avenues in floriculture" and Govt. schemes for entrepreneurship development at padala village, Tadepaligudem Mandal on 29-12-21 under the chairmanship of Dr. K. Uma Jyothi, Associate Dean. Teaching staff Dr A.V.D. Dorajee Rao, Professor (Horticulture), Dr R.V. Sujatha, Associate Professor (Economics) and rural women participated in the programme.

Research

- Dr. B. TanujaPriya, Senior Scientist (Hort.) and Dr. K.Giridhar, Principal scientist have collected 15 germplasm lines of leafy coriander from various places of Andhra Pradesh and NRCSS, Ajmer.
- Essential oil (5.3%) and Oleoresin (11.3%) content in turmeric var. LTS-2 were estimated during the period under report.



Oleoresin and essential extraction in turmeric at HRS, Lam, Guntur

On 17 December 2021, Dr. Y Sharath kumar Reddy, Scientist (Physiology) HRS, Anantharajupet had visited Tissue culture laboratory at Raghavarajapuram village of Railway Kodur and discussed about production and multiplication techniques in tissue culture propagated banana seedlings.

Extension Activities

Vice-Chancellor to Village Activities

Dr. K. SwarajyaLaskshmi, Co-ordinator, VC to Village Programme along with her team Chakradhar, Ph. D (FLA) and Vamsi Krishna Reddy, PG (Veg. Science) students, conducted a training programme to the students of M.P.P. School, VNS Colony, Venkatareddipalli, adopted village on 22-12-2021 about different methods of floral decorations. Keeping in view of Sankranthi festival season this program was planned and interacted with the students and trained them in making flower decorations. One student prepared a nice garland with mango leaves and locally available flowers.



In the adopted village, a Nutritional garden was established at M.P.P. School, VNS Colony, Venkatareddipalli. All the school children have participated in planting vegetable seedlings (Tomato, Brinjal, Chilli) and sowing of bhendi seeds. School Head Mistress, School Master, Sarpanch of the village participated in the program.

A field visit was conducted to oilpalm, cocoa and papaya orchards of adopted village Pullalapadu on 28 December 2021 as a part of VC to Village programme by Dr. M. Madhavi, Professor (Horticulture), Dr. P. Rama Devi, Professor (Plant Pathology), Dr. E. Padma, Professor (Horticulture) and Sri Lakshmi, (Horticulture Officer) and suggested control measures for spiralling white fly in oilpalm and ringspot virus in papaya to the farmers.



Under “మన గ్రామం - మన విశ్వవిద్యాలయం” Programme Dr.M. Kavitha, Senior Scientist (Pl. Path.) Citrus Research Station, Petlur trained women farmers of G.K Palli on 28 December 2021 and explained about production of oyster & milky mushrooms.

HRS, V.R.Gudem conducted exposure visit to the 10th standard students of adopted village (Ramannagudem). During this visit, scientists explained the importance of Horticulture and nutritional importance of vegetables and fruits. Later given training on different grafting methods to the students.



Front Line Demonstrations

On 18 December 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta, conducted follow-up visit for FLD on micronutrient management in pomegranate for getting higher yields at Vonipenta village of Mydukur mandal. Provided the critical inputs to the beneficiary farmer for application of boron @ 1.5 gm/lit and Zn @2 gm/lit for foliar application to control the fruit cracking.



On 21.12.2021, K. Prasindhu, Research Associate (Plant Protection) and Dr.V.Yugandhar, Research Associate (Horticulture) from Krishi Vigyan Kendra, Vonipenta conducted Follow up visit on CFLD: Assessment on performance of Black gram variety TBG-104 under NFSM-2021-22 at Somireddypalli village of B. Matam mandal. Scientists observed the infestation of gram caterpillar and aphid infestation on blackgram and recommended to spray Quinolphos @1000 ml/ha and Emamectin benzoate @ 220g/ ha respectively.

On 24.12.2021, Ms. K. Prasindhu, Research Associate (Plant Protection) Dr. Nagarjuna V and Dr.V.Yugandhar, Research Associate (Horticulture) from Krishi Vigyan Kendra, Vonipenta, conducted Follow up visit on FLD on “Demonstration of Management of soil borne diseases in Groundnut”. During the programme Scientists observed root rot disease in groundnut and recommended to spray Mancozeb @ 3 gm/lit.



On 24 December 2021, Dr. Srividya Rani N, Scientist and Head (Extension), Ms. K. Prasindhu, Research Associate (Plant Protection) Dr. Nagarjuna V and Dr.V.Yugandhar, Research Associate (Horticulture) from Krishi Vigyan Kendra, Vonipenta organized a field day in Blackgram variety TBG-104 cultivated under Cluster Front Line Demonstrations- pulses under NFSM- 20-21 sponsored by ICAR-ATARI, Zone- X, Hyderabad at Madirepalli

Village of Duvvur mandal. Scientists interacted with the farmers regarding cultivation practices, expenditure and expected yield and also conducted crop cutting experiment in an area of 5X5 m, followed by visit to Blackgram - TBG-104 cultivated fields and interacted with the farmers regarding the variety. They responded positively regarding its performance which is suitable for both *kharif* and *Rabi* seasons, resistant to MYMV, powdery mildew and leaf spot diseases.

On 21 December 2021, Dr.T.VijayaNirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem initiated front line demonstration (FLD) on “Demonstration on concentrate feeding to ewes/does and creep feeding to lambs/kids on mortality reduction and growth rate” and distributed concentrate feed to farmers of Venkataramannagudem and Datlavarigudem village.



KVK, Venkataramannagudem initiated FLD on Demonstration of probiotic yeast and sodium bicarbonate supplementation in dairy animals on 23 December 2021. Explained the importance of probiotics in improving of milk production and distributed probiotics to the farmers of Darlavarigudem village, Jillelagudem mandal. This program was coordinated by Dr.T.VijayaNirmala, Scientist (Veterinary Science) and Dr.E.KarunaSree, Principal Scientist & Head.



On 23 December 2021 Dr.E.Karunasree, Principal Scientist & Head and Dr.T.VijayaNirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem visited community nutri garden at Madakamvarigudem village, Jillelagudem mandal initiated as part of FLD for the year 2021-22 .

Method Demonstrations

On 18 December 2021 Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram conducted method demonstration to RHWEP students on mass multiplication of *Trichoderma viride* in farm yard manure and neem cake for application in acid lime and vegetable crops and created awareness on IDM practices in acid lime.



On 24 & 31 December 2021, Dr.S.Adarsha Scientist (Entomology) and Dr.N.Chiranjeevi, Research Associate, KVK, Pandirimamidi conducted demonstration on Bengalgram Var. NBeG 452 to Jagannadhapuram village of Korukonda mandal. Provided critical inputs viz., seed@ 35kgs/acre, Rhizobium @ 350ml and Preemergence herbicide 1lit/acre.

Kisan Diwas

On the eve of National Farmers Day on 23 December 2021, KVK, Periyavaram conducted awareness programme on “Importance of Natural Farming”. Felicitated progressive farmers, Sri Lakshmi and P.M.Rao , Gudur mandal , SPSR Nellore dist.



From 23 to 25 December 2021, Dr. Srividya Rani N, Scientist and Head (Extension), Dr.V.Yugandhar, RA, (Horticulture), Dr. V. Nagarjuna, RA (Soil Science) and Ms. K. Prasindhu, Research Associate (Plant Protection), KVK, Vonipenta conducted Kisan Diwas at different villages in KVK operational area. The scientists discussed with farmers on cultivation practices of major crops and suggested the farmers to follow the IPDM and ICM practices for reducing the cost of cultivation in sustainable farming.

On Farm Trial

On 17 December 2021, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram distributed Chilli var. LCA-620 and LCA-625 seedlings under OFT i.e., “Assessment of New Chilli Varieties in SPSR Nellore District” to beneficiaries of Utlapalli village of Balayapalli Mandal and; Siddavaram village (VC to village) and Petlur village of Venkatagiri mandal. Enlightened farmers regarding scientific cultivation and management practices of chilli.



On 17 December 2021, Sri Bhanumurthy K.C, Scientist (Horticulture), KVK, Pandirimamidi provided tomato hybrid Arka Abedh and Neem soap to farmers of Rajampalem village of Gangavaram mandal under OFT i.e. Assessment of new tomato hybrid Arka Abedh.

On 21 December 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) Dr.V.Yugandhar, Research Associate (Horticulture) from KVK, Vonipenta conducted follow up visit on OFT: Assesment of viral disease management in Blackgram at Somireddypalli village of B. Matam mandal. During the programme Scientists observed the field and provided yellow sticky traps and blue sticky traps to beneficiary farmers



On 23 December 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) and Dr.V.Yugandhar Research Associate (Horticulture), KVK, Vonipenta interacted with farmers about blackgram crop and pest and disease management in blackgram crop under OFT on “Assesment of viral disease management in Blackgram” During the programme scientists had provided yellow sticky traps, blue sticky traps and Imidacloprid chemical to beneficiary farmers of Somireddypalli village of B. Matam mandal at KVK, Vonipenta.

On 24 December 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) Dr. Nagarjuna V and Dr.V.Yugandhar, Research Associate (Horticulture), KVK, Vonipenta conducted Follow up visit on FLD “Assessment of management module against fall army worm in Maize. During the programme scientists observed that the field is at harvesting stage and suggested to harvest the field.



On 24 December 2021, Dr. V. Yugandhar, Research Associate (Horticulture), Dr. V. Nagarjuna, R.A (Soil Science) and Ms. K. Prasindhu, Research Associate (Plant Protection), KVK, Vonipenta visited onion fields for follow up under OFT at Madirepalli village of Duvvur mandal. During the visit scientists collected data and explained about fertilizer management and disease management in Onion

Training programmes

In the august presence of Dr. T. Janakiram (Virtual), Hon'ble Vice-Chancellor, Dr.YSRHU and Dr.B.Srinivasulu, Director of Extension, Dr YSRHU, Dr. R.Nagaraju, Principal Scientist (H) & Head, Member and Convener in association with TTD, organized 3 days training programme for 100 no. women on Value addition to the worshipped flowers at Dr.YSRHU, Citrus Research Station, Tirupati for the 3rd batch trainees from 20-12-2021 to 22-12-2021 on "Dry flower technology". Dr. R.Ramana Prasad, Deputy Executive officer (G), TTD, Dr. K.T. V. Ramana, Zonal Research Head, RSZ, Smt. Tulasi, PD, DRDA, Chittoor has graced the occasion as Chief guests and interacted with the trainees about the programme. Ms. S. Vishnuja, Research Associate and Dr. V. Gopi, Technical Assistant, CRS, Tirupati coordinated the programme.



Dr.R.Nagaraju, Dr. L. Mukunda Lakshmi, Dr.D.Srinivasa Reddy and Dr. T. Rajasekharam, CRS, Tirupati attended webinar on Citrus Processing and Value Addition on 29 December 2021 through virtual mode conducted by Dr.YSRHU on the eve of Dr.YSRHU year of Citrus-2021.



Dr.D. Srinivasa Reddy, Senior Scientist (Ent), CRS, Tirupati attended farmers training programme on mango pest management awareness on 19 December 2021 at Chittoor to Chittoor mango farmer producer company Ltd.

Dr.Nagaraju, Principal Scientist (Hort.) & Head, CRS, Tirupati participated in farmers training programme organized by Zuari and Dept of Horticulture on the eve of Kisan Divas on 23 December 2021 at Kotha Sarambatla village, Chandragiri mandal and issued soil health cards.



On 23 December 2021, Sri. G. Sandeep Naik, Scientist (Plant Pathology), HRS, Anantharajupet participated in farmers training programme on Best management practices in Mango at Penagalur mandal organized by Dept of Horticulture. During the programme Scientist has explained about fertilizer management, water management, precautions for flower regulation, pests and disease management. District Agricultural Advisory Board Chairman, Horticultural Officer and Agricultural Officer of Penagalur mandal also participated.



On 23 December 2021 Dr.V.Deepthi, scientist (Agricultural Extension) KVK, Venkataramannagudem has attended as resource person for Bhumi Poshan Abhiyan programme organized by the Department of Agriculture, Tadepalligudem on the occasion of National KisanDiwas to the RBK staff, VAAs and VHAs from Tadepalligudem, Ungutur, and Pentapadu have participated.



On 25 December 2021, Dr. K Mallikarjunarao, Research associate (Horticulture), KVK, Periyavaram conducted On-campus training programme on “Vegetable seedlings production under shade net” to improve socio-economic status of rural youth and farm women on the eve of National Campaign on “Jai Jawan Jai Kisan”-2021. Explained about Low cost and Hi-Tech protected cultivation structures, advantages of plug tray and nursery management technologies like seed treatment, solarization, types of media, AMC (Arka Microbial Consortium), irrigation, nutrient application, hardening and IPM practices to get healthy and vigorous seedlings. Demonstrated pro tray seedling production technology and potting mixture preparation for filling of polybags to grow vegetable seedlings. Dr.B.Govindarajulu, Principal Scientist & Head created awareness on importance of organic farming and its need to achieve sustainable horticulture. As a part of this program vegetable seed kits distributed to selected beneficiaries.



From 14 to 18 December 2021, KVK, Pandirimamidi conducted five days skill training program on beekeeping at KVK, Pandirimamidi. Dr.B.Srinivasulu, Director of Extension, Dr.YSRHU interacted with trainees. An Exposure visit to practicing beekeeper at Anaparthi was conducted on 18.12.2021. Importance of bees in pollination of crops, handling of different bee species, seasonal management and pollen and nectar sources were explained as part of the training program. 13 farmers participated in the program. Dr.S.Adarsha, Scientist (Entomology) coordinated the program.

From 23 to 25 December 2021, KVK, Pandirimamidi conducted off campus training programmes on improved cultivation and advanced techniques in processing in Cashew, Rubber and Annatto to farmers of Kakavada (Rampachodavaram mandal), Vetukuru and Pandirimamidikota villages of Maredumilli mandal respectively. Also provided Horti tool kits and tarpaulin sheets to the farmers. Sri Bhanumurthy K.C, Scientist (Horticulture) and Dr.N. Chiranjeevi, RA (Plant Pathology) coordinated the program and 86 farmers have participated.



On 16 December 2021, DAESI trainees of East Godavari district visited KVK, Pandirimamidi for exposure cum awareness visit. Dr.P.Lalitha Kameswari, Principal Scientist & Head interacted with trainees and explained about improved cultivation practices in flower crops. Sri Bhanumurthy K.C, Scientist (Horticulture) conducted KVK farm visit and explained about demo units i.e. Cashew Nursery, Cashew Processing Unit, Shade net houses, Vermicompost unit, Pine apple block, Floriculture block, Poultry and Goat unit, Fodder block, Rain water harvesting unit etc. to the trainees. Facilitators of DAESI program and 46 trainees have participated.

On 17 December 2021, Ms. K. Prasindhu, Research Associate (Plant Protection) attended as a resource person at the agricultural office, Mydukur. During the programme the scientist K. Prasindhu gave a lecture to Village Agricultural Assistants and Village Horticultural Assistants about management of pests and diseases in agricultural and horticultural crops.



On 17 December 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta attended as resource person for orientation programme on organic farming at Mydukur, conducted by Department of Agriculture and Zero Budget Natural Farming. The scientist explained the nutrient management cultivation of green manure crops and sheep penning, pest and disease management in sustainable manner. Mr.B. Nagaraju, P.D, ZBNF, YSR Kadapa and Sri. A. Krishna Murthy, ADA, Mydukur and 165 farmers attended the programme.

On 21 & 22 December 2021, KVK, Venkataramannagudem conducted training cum exposure visit on cultivation and processing of Vegetables to Krishna district farmers which was supported by NABARD. This program was coordinated by Dr. E. KarunaSree Principal Scientist and Head, Dr. K. VenkataSubbaiah, Scientist (Horticulture), Sri. G. Shaliraju, Scientist (Entomology), Dr. T. VijayaNirmala, Scientist (Veterinary Science) and Dr. V. Deepthi, Scientist (Agrl. Extension) and taken on a visit to vegetable Hi-tech nursery, Processing and Horticultural Skill training Centre and PHTRS in the campus, University Museum, Integrated Farming System model, Improved back yard poultry rearing and Improved Fodder Production Units.



On 22 December 2021, KVK, V.R.Gudem conducted exposure visit to the students of Social Welfare College, Khamam District, Telangana State and explained about activities of KVK and Various Demonstration units viz: Bio fertilizer Production unit, Skill training & Processing Unit, Mushroom Production unit and Honey Processing Unit, Integrated Farming Systems Model, University Museum etc. This program was coordinated by Dr. E. KarunaSree, Principal Scientist & Head, Dr. K. VenkataSubbaiah, Scientist (Horticulture), Sri. G. Shaliraju, Scientist (Entomology), Dr. T. VijayaNirmala, Scientist (Veterinary Science), Dr. V. Deepthi Scientist (Agrl. Extension) and about 63 students along with their staff have participated

On 28 December 2021, Dr E. KarunaSree, principal scientist and Head and Dr. T. Vijayanirmala, scientist (veterinary science) KVK, Venkataramannagudem has organized SC farmers interaction meeting in convergence with the Department of Agriculture to discuss about the feasibility of establishing various processing and value addition, backyard poultry and IFS units under SCSP Capital funds in West Godavari District.



Live telecast of “Conclave on Natural farming” & Scientist- farmer interaction meet

On 16 December 2021, Hon’ble Prime Minister Narendra Modi’s address at National Conclave on “Natural Farming” web telecasted at all the KVKs of Dr.YSRHU



ICAR -SCSP

Two days Entrepreneurship Development Programme on “Profitable sheep rearing” for small farmers was organized under ICAR-SCSP 2020-21: Sheep rearing as an income generation activity for SC farmers on 23 & 24 December 2021 at KVK, Periyavaram. Dr.K.Adilaxamma, Associate Dean, SVVU, Tirupati attended the programme as Guest speaker and explained about importance of appropriate drugs and dosage of drugs for effective treatment of diseases. Professor, Department of Animal Nutrition, SVVU, Tirupati, ADAH, Venkatagiri, Scientist (Animal Husbandry), KVK, Yagantipalli and VAS, Paravolu, Venkatagiri have attended as guest lecturer.



On 23 December 2021, KVK, Vonipenta conducted tutorial classes for SC students under ICAR Grants SC-SP-2020-21- Goat rearing as an income generation activity for SC farmers at KVK, Vonipenta. Mr. Venkatesh, Manager and Mr. Dheeraj, staff from Kautilya institution participated in the programme. Mr. Venkatesh guided the students on how to prepare for competitive exams, opportunities available for carrier guidance. Mr. Dheeraj briefly explained the topics which have to be covered during tutorial classes and taught some basic knowledge on English grammar and aptitude to students. Dr.S.Lavanya, Research Associate, (Livestock production), Dr. SrividyaRani. N, Scientist & Head coordinated the programme.

Swachta Pakhwada

KVK, Pandirimamidi conducted Swachta Pakhwada from 16 to 31 December 2021 with a motto to keep our surroundings clean and to create awareness on sanitation at our premises in order to achieve Swachh Bharat. As part of this programme, Day wise schedule has been planned and implemented swachta activities like cleaning, planting of trees, composting of manures, nutritional kitchen gardening, digitization of office records, awareness campaigns, essay writings & competitions to students, press conferences etc. by involving civil officials, students, farmers and all stake holders at KVK institutional farm, RBKs, Schools, Public Tourist Places, village secretariat, adopted villages etc. and created awareness through posters on cleanliness among public.



From 16 to 31 December, KVK, Vonipenta conducted cleanliness drive under the Swachhta Action plan at KVK, Vonipenta, Elementary school, Adireddypalli and Gudipadu village and KVK farm. Under this programme the Scientists explained the importance of cleanliness at home, school, office and farm premises. In this programme KVK staff, students, farmers and farm

women have participated.

On 23 December 2021, KVK, Venkataramannagudem conducted Swachatha Pakhwada at premises of Anganwadi center of Madakamvarigudem village along with villagers. In this program Dr.E.KarunaSree, Principal Scientist & Head and Dr.T.VijayaNirmala, Scientist (Veterinary Science) have participated.



Diagnostic Visits

Smt.T.Vijaya Lakshmi, Senior Scientist(Path) conducted survey for recording disease incidence in chilli and vegetables on 23 December 2021.

Dr.K.Sireesha, Senior Scientist(Ento) attended diagnostic field visit in chilli fields of Krishna, Guntur and Prakasam dts along with CIPMC team and Dept. officials from 27 to 28 December 2021.

On 24 December 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), Dr. V. Yugandhar, Research Associate (Horticulture) and K. Prasindhu, Research Associate (Plant Pathology), KVK, Vonipenta visited Groundnut fields for diagnosis of pests and diseases at Madirepalli village of Mydukur mandal. The scientist observed the Iron deficiency in Groundnut and suggested foliar application of Iron sulphate @ 2 gm /lit for correcting the nutrient deficiency.



Dr.K.Giridhar, Principal scientist (Hort), Smt.T.Vijaya Lakshmi, Senior Scientist(Path) and Dr.K.Sireesha, Senior Scientist (Ento), HRS, Lam attended diagnostic field visit in chilli fields around Yerragundapalem, Tripurantakam and Pullalacheruvu mandals of Prakasam district on 21 December 2021 along with officers of Dept of Hortand Agrl.

Dr.M. Kavitha, Senior Scientist (Pl. Path.) and Dr.C.Madhumathi, Principal Scientist & Head, Citrus Research Station, Petlur, Visited the acid lime fields of Kuppayapalem Village, Dakkili Mandal on 23 December 2021 and observed that the acid lime orchards were infested with psylla and suggested to spray novaleuron 0.75ml/lt of water.



Dr.C.Madhumathi, Principal Scientist & Head and Dr.L.Ranjith Kumar, Scientist (Entomology) from Citrus Research Station, Petlur, conducted field diagnostic visit of acid lime orchard at Althurupadu village of Dakkili Mandal on 27 December 2021 and observed that, orchard was infested with green mite and citrus canker and the farmer was suggested to spray Propargite 57 % EC @ 1.0 ml/l of water for mites and copper oxychloride 45 % WP+Kasugamycin 5% @ 1.0 g/lit of water for canker.

On 21 December 2021, Sri. G. Sandeep Naik, Scientist (Plant Pathology), HRS, Anantharajupeta and Dr K. Arunodayam, Assistant Professor (Plant Pathology), CoH, Anantharajupeta visited Ginger fields for diagnosis of pests and diseases at Anantharajupeta village. During the visit they observed rhizome rot disease due to continuous heavy rains and suggested to drenching with Copper oxy chloride @ 0.3% or Ridomil @ 0.3% to the disease infected and surrounding plants.



On 20 December 2021 Dr.S.Adarsha Scientist (Entomology) and Dr.N.Chiranjeevi Research Associate from Krishi Vigyan Kendra, Pandirimamidi conducted diagnostic field visits to Chilli fields infested by black thrips at Rakota, Kachavaram villages of Kunavaram mandal and Chodavaram village of Yetapaka mandal. Observed chilli black thrips incidence @ 18 -22 thrips/flower. Recommended for installation of blue sticky traps @ 20-30 per acre and Spraying of Neem oil 10000ppm @1ml/l along with Fipronil 80WG@40g/acre or Fipronil 40%+ Imidacloprid 40% @40g/acre or Cyantraniliprole 10% @240ml/acre.

On 24 December 2021, Dr.S.Adarsha Scientist (Entomology), KVK, Pandirimamidi conducted follow up visit to blackgram var. GBG 1 fields at Koti village of Korukonda mandal. Crop is at 15 days old. 12 farmers participated in the visit.



On 24 December 2021, Dr.S.Adarsha Scientist (Entomology), KVK, Pandirimamidi conducted diagnostic visit to Chilli fields at Koti village of Korukonda mandal and recommended to use blue sticky traps @ 20-30 per acre and Spraying of Neem oil 10000ppm @1ml/l along with Fipronil 80WG@40g/acre or Fipronil 40%+ Imidacloprid 40% @40g/acre or Cyantraniliprole 10%@240ml/acre.

On 18 December 2021, Dr. V. Nagarjuna, Research Associate (Soil Science) and Dr. S. Lavanya, Research Associate (Livestock production), KVK, Vonipenta visited Tomato fields at Vonipenta village of Mydukur mandal. Identified early blight and recommended the foliar application of Chlorothalonil @ 0.2%.



On 20 December 2021, Dr. V.Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited Turmeric fields for diagnosis of pests and diseases at Papanapalli village of Mydukur mandal. Observed leaf spot disease infection in turmeric and recommended foliar spray with Mancozeb @ 0.25% or Propiconazole @ 0.1%.

On 21 December 2021, Dr. V. Yugandhar, Research Associate (Horticulture) and Ms. K. Prasindhu, Research Associate (Plant Protection), KVK, Vonipenta visited Banana fields at Somireddipalli village of B.Mattam mandal. The scientists observed sigatoka leaf spot and suggested to spray Chlorothalonil @ 0.2% or Propiconazole @ 0.1%+ mineral oil @ 1%.



On 21 December 2021, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited banana fields for diagnosis of pests and diseases at T. Kothapalli village of Mydukur mandal. The scientist observed the Sigatoka leaf spot disease in banana fields and suggested to spray Chlorothalonil @ 0.2% or Propiconazole @ 0.1%.

On 21 December 2021, Dr. S. Lavanya, Research Associate (Livestock production) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited Jersey dairy farm at T.Kothapalli village of Mydukur mandal. The scientist identified the cows in the dairy farm suffered with dermatitis especially around the eyes and scaly formation of skin was observed and also poor management inside the farm. The scientist recommended the Ivermectin @ 0.02mg/kg b.wt. body weight of animal and topical application of Boric acid + glycerine paste to the affected areas. Given instructions to the farmer on good management practices.



TV Programmes

On 16 December 2021, Dr.A. Devivaraprasad Reddy Scientist Fisheries has attended the phone –in –live programme on “Better Management Practices in Shrimp Farming” at Doordarshan Kendra, Vijayawada.

Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram has attended the Pasidipantalu LIVE Phone – In Programme, DD, Vijayawada on the topic “Varieties and Scientific package of practices in sweet potato” telecasted on DD Sapthagiri on 27 December 2021

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

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

Date	Topics
16.12.2021	పెరటి తోటల పెంపకం డా. ఇ . కరుణ శ్రీ, ప్రధాన శాస్త్రవేత్త & హెడ్, కె. వి. కె, వెంకటరామన్నగూడెం
17.12.2021	గొర్రెలు మరియు మేకలలో సంభవించే వివిధ వ్యాధుల యాజమాన్యం డా.పి.మంజరి, శాస్త్రవేత్త, కె.వి.కె, పెరియవరం
18.12.2021	మామిడిలో పూత సకాలంలో రావాలంటే చేపట్టవలసిన యాజమాన్య పద్ధతులు డా.బి.కె.ఎం.లక్ష్మి, సీనియర్ శాస్త్రవేత్త & హెడ్, మామిడి పరిశోధన స్థానం, నూజివీడు
20.12.2021	చీని, నిమ్మ మొక్కల ఎంపికలో జాగ్రత్తలు డా.బి.గోవింద రాజులు, ప్రధాన శాస్త్రవేత్త & హెడ్, కె.వి.కె, పెరియవరం
21.12.2021	సమస్యాత్మక నేలల యాజమాన్యం శ్రీ.పి.రాజశేఖర్, శాస్త్రవేత్త, కె.వి.కె, పందిరిమామిడి
22.12.2021	పసుపు సాగులో మేలైన యాజమాన్య పద్ధతులు డా.కె.గిరిధర్, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లాం
23.12.2021	టమాట సాగులో చీడపీడల యాజమాన్యం డా.ఎం.జి.బాల హుస్సాని, సీనియర్ శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, మదనపల్లి
24.12.2021	మల్లె మరియు లిల్లి పూల సాగులో సమగ్ర యాజమాన్య పద్ధతులు డా.ఎ.వి.డి.దొరాజీరావు, ప్రొఫెసర్, ఉద్యాన కళాశాల, వెంకటరామన్నగూడెం
27.12.2021	చీని, నిమ్మ తోటలలో పొలుసు పురుగు నివారణ డా.ఎం.కవిత, సీనియర్ శాస్త్రవేత్త, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
28.12.2021	చిలగడదుంపలో రకములు – శాస్త్రీయ యాజమాన్య పద్ధతులు డా.కె.మమత, సీనియర్ శాస్త్రవేత్త & హెడ్ i/c, ఉద్యాన పరిశోధన స్థానం, పెద్దాపురం
29.12.2021	అల్లం సాగులో మెళకువలు డా.వి.శివ కుమార్, శాస్త్రవేత్త & హెడ్ , ఉద్యాన పరిశోధన స్థానం, చింతపల్లి
30.12.2021	జీడి మామిడి తోటల్లో కాపు యాజమాన్యం డా. కె. ఉమామహేశ్వరరావు శాస్త్రవేత్త, జీడిమామిడి పరిశోధన స్థానం, బాపట్ల
31.12.2021	మిరపలో సమగ్ర సస్య యాజమాన్యం డా.బి.తనూజప్రియ, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లాం

“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 December, 2021.

Date	Topics
16.12.2021	డిసెంబర్ మాసంలో తోట పంటలలో చేయవలసిన పనులు; సర్పగంధ, పిప్పిలి, కామంచి, దూలగొంది, కస్తూరి బెండ, శతావరి సాగులో మెళకువలు
17.12.2021	డిసెంబర్ మాసంలో వివిధ ఉద్యాన పంటల నందు చేపట్టవలసిన పనులు మరియు సూచనలు
18.12.2021	చీని, నిమ్మ సాగులో మెళకువలు
20.12.2021	కర్ర పెండలం సాగులో మెళకువలు
21.12.2021	ఆధునిక పద్ధతిలో కూరగాయల సాగు; బెండ సాగులో మెళకువలు
22.12.2021	మిరప సాగులో మెళకువలు
23.12.2021	చేమదుంప సాగులో యాజమాన్య పద్ధతులు
24.12.2021	నిమ్మ సాగులో మేలైన యాజమాన్య పద్ధతులు
27.12.2021	డిసెంబర్ మాసంలో తోట పంటలలో చేయవలసిన పనులు; గులాబీ, గ్లాడియోలుస్ సాగులో మెళకువలు; COVID-19 గైడ్లైన్స్
28.12.2021	డిసెంబర్ మాసంలో పండ్ల తోటలనందు చేయవలసిన పనులు; ప్యాషన్ ఫ్రూట్, వాక్కాయ సాగులో యాజమాన్య పద్ధతులు—సస్యరక్షణ చర్యలు
29.12.2021	పుట్టగొడుగుల పెంపకంలో మెళకువలు
30.12.2021	టిష్యూకల్చర్: అరటి సాగులో సమగ్ర పోషక యాజమాన్యం
31.12.2021	చీని, నిమ్మ సాగులో 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 December, 2021.

Date	Topic	Scientist Name
17.12.21	మామిడి సాగులో చీడపీడల యాజమాన్యం	Dr.B.K.M.Lakshmi Principal Scientist (Pl. Path.), MRS, Nuzvid
20.12.21	జీడిమామిడి సాగులో చీడపీడల యాజమాన్యం	Dr.B.Nagendra reddy, Scientist, CRS, Bapatla,
24.12.21	కొబ్బరిలో రకాలు మరియు చీడపీడల యాజమాన్యం	Smt B.Neeraja, Scientist, HRS, Ambajipeta,

Date	Topic	Scientist Name
27.12.21	అల్ల నేరేడు సాగులో మేలైన యాజమాన్యం	Dr.C.Madhumati, Principal Scientist & Head, CRS, Petlur
31.12.21	మల్లె పూల సాగులో మేలైన యాజమాన్యం	Dr.A.V.D.Dorajeerao, Professor (Hort.), CoH, V.R.Gudem

General

Meetings

Scientists of CRS, Tirupati attended Monthly Meeting with Project Co-ordinator, ICAR-AICRP on Fruits on 20 December 2021 through virtual mode.

On 20.12.2021, Dr Y. Sharath Kumar Reddy, Scientist (Physiology) and Sri. G. Sandeep Naik, Scientist (Plant Pathology) from HRS, Anantharajupet had attended monthly review meeting of AICRP on Fruits through zoom platform convened by Project Coordinator, AICRP on Fruits

On 29.12.2021, Sri. G. Sandeep Naik, Scientist (Plant Pathology) from HRS, Anantharajupet had attended the in Brainstorming session on Thrips *i.e.*, *Thrips parispinus* invasive pest of chilli through zoom platform convened by Division of crop protection, ICAR- IHR, Bengaluru.

On 16.12.2021 Dr.A. Devivaraprasad Reddy Scientist Fisheries has participated as Co-convener for the Brain Storming Session on “Fisheries and Aquaculture” on 20.12.2021 at Fisheries Research Station, SVVU, Undi

On 22.12.2021 Dr.V.Deepthi, Scientist (Agricultural Extension) KVK, Venkataramannagudem has presented paper (oral) on Impact of COVID 19 on Agricultural and Allied Sectors in West Godavari District of Andhra Pradesh in National conference on Transformation of Agricultural Extension - Strategies for Effective Reformation (TAESERE 2021) 22nd – 23rd December, 2021 (Online).which was organized by the S.V. Agricultural College, Tirupati, ANGRAU.

On 23.12.2021 Dr.T.VijayaNirmala, Scientist (Veterinary Science) KVK, Venkataramannagudem has presented paper (poster) on “Demonstration of Area specific mineral mixture supplementation on production performance of dairy animals in West Godavari district of A.P.” in National conference on Transformation of Agricultural Extension - Strategies for Effective Reformation (TAESERE 2021) 22nd – 23rd December, 2021 (Online)which was organized by S.V. Agricultural College, Tirupati, ANGRAU.

Dr. E. KarunaSree Principal Scientist and Head, KVK, Venkataramannagudem has participated in the Lecture on “Gender and Nutri Sensitive Agriculture” given by Dr. A.K. Singh, DDG (Agricultural Extension), ICAR, New Delhi and learned about the Nutri Sensitive crops.

On 30.12.2021 Dr. E. KarunaSree Principal Scientist and Head has participated in the Brain Storming Session on “ Crop Planning and diversification and Value Addition Post Harvest Management and Export Orientation” as expert. The programme was organized by RARS, Anakapalli in continuation to the National Workshop jointly organized by AP State Agriculture Mission, ANGRAU, Dr. YSRHU and SVVU.

All the scientists of HRS, Lam attended Agri tech -2021 Conference & exhibition on latest Agricultural technologies from 17th to 19th Dec, 2021 at RARS, Lam. Arranged exhibition stall of DrYSRHU. Dr.K.Sireesha, Senior Scientist (Ento) delivered lecture on invasive thripssp in chilli and attended farmer scientist interaction session which was chaired by Dr.T.Janakiram, Vice-Chancellor.

On 23.12.2021 Dr.E.KarunaSree, Principal Scientist & Head and Dr.T.VijayaNirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem participated in National Farmers Day (KisanDiwas) organized by NOVA Educational Institute, Jangareddygudem and enlightened about the “Technology Driven Intensive Farming for profitability” to the farmers and Students on the theme “Jai Kisan Jai Vigyan” . Also participated in the KisanMela and Exhibition and appreciated the models presented by the students on IFS, Protected Cultivation and Farm Machinery.



Dr.C. Sarada P.S(H) & Head HRS, Lam attended International conference i.e. ICVEG-2021 held on 14-6th December 2021 at ICAR, IIVR, Varanasi through online.

Smt.T.Vijaya Lakshmi, Senior Scientist (Path) and Dr.K.Sireesha, Senior Scientist (Ento), HRS Lam attended a meeting organized by Dept of Hort at Collectorate along with District collector, Hon'ble Home Minister, MLA, Vnukonda, MLA Tadikonda and other officers on 16 December 2021 on chilli thrips

Visits

Dr. B. Srinivasulu Director of Extension along with Sri.Ramana Prasad garu Deputy Executive Officer, TirumalaTirupathiDevasthanam (TTD), Tirupati visited the Dry Flower Technology Unit at KVK, Venktaramannagudem and interacted with the trainees who are preparing the portrait of Lord SreeVenkateswara Swami Varu with worshipped flowers on 22 December 2021.



A group of farmers (32no.s) of “Vidhya- chilli, kuragayala vuthpathi-daarula sangham” (F.P.O) from Krishnarao Palem”, A. Konduru Mandal, Krishna District visited PHTRS, Venkataramannagudem on 22 December 2021. Dr. B. Babu Rao, Research Associate (Horticulture) demonstrated about the ripening of fruits under different ripening structures and preparation of value added products from horticultural crops at fruit and vegetable processing unit.

A group of acid lime growers and traders from Eluru, West Godavari District visited PHTRS, Venkataramannagudem on 23 December 2021. Dr. B.Babu Rao, Research Associate (Horticulture) explained the feasibility in establishment of acid lime based food processing industry and preparation of different value added products from acid lime.



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