



Dr YSRHU e-Newsletter

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



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Dr YSRHU e-Newsletter

1-15 February 2022

Fortnight Focus

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From Vice-Chancellor's Desk


Dr.YSRHU GRADUATE READINESS PROGRAMME

Dr YSR Horticultural University (Dr.YSRHU) in accordance to National Education Policy (NEP) to develop entrepreneurship in students initiated Graduate Readiness Programme for the final year students of B.Sc (Hons.) Horticulture.

Dr.YSRHU as a new initiative declared 2020-21 as Dr.YSRHU Year of Coconut and 2021-22 as Dr.YSRHU Year of Citrus. Carried out specific programmes in Education, Research & Extension activities on Coconut (2020-21) and Citrus (2021-22).

Under Graduate Readiness Programme, Dr.YSRHU - College of Horticulture, Venkataramannagudem has organized "Coconut Graduate Readiness Programme" from 19th October to 11th December 2020 for Agri/Horti UG students at National Level. Twenty four special lectures on coconut by experts from ICAR institutions and SAUs/HAUs were delivered. Eleven hundred (1100) students participated in the programme.

Dr.YSRHU - College of Horticulture, Anantharajupeta has organized "Citrus Graduate Readiness Programme" from 18th December 2021 to 17th February 2022. Experts from ICAR institutes and SAUs/ HAU have delivered 31 lectures on citrus under this programme. One thousand four hundred and seventy seven (1477) students have participated in the programme.


Dr T.Janakiram
 Vice-Chancellor

The Events

Research and Extension Council Meeting

Eleventh Research and Extension Council Meeting was held virtually under the chairmanship of Dr.T.Janakiram, Vice-chancellor on 11 February 2022.



REC Members of Dr.YSRHU, progressive farmers, expert members, entrepreneurs of agri based industries, nurserymen, representatives from Horticulture Department discussed about the problems and new technological interventions required in various horticultural crops.

Dr.R.V.S.K.Reddy, Director of Research & Member Secretary, REC and Dr.B.Srinivasulu, Director of Extension, Dr.YSRHU have co-ordinated the meeting.



Inauguration

Dr. T. Janakiram, Hon'ble Vice Chancellor, inaugurated new vermicompost unit established under CDB scheme "Organic Manure Units" at Horticultural Research Station, Venkataramannagudem on 1 February 2022. Dr.R.V.S.K.Reddy, Director of Research, Teaching and Non teaching staff of HRS, V.R. Gudem participated on this occasion.



Interaction Meet



Ms. Mamata Jain, Editor & CEO, Agriculture Today Group, New Delhi visited university campus on 12 February 2022 and interacted with Vice-Chancellor and university officers of Dr.YSRHU.

Education

Motivational & Career Guidance Class

On 11 February 2022, Dr.D.Damodar Reddy, Director, ICAR-CTRI, Rajuhmundry visited CoH, Chinalataripi and addressed students on Career guidance and Personality Development. Dr. M.Anuradha, PS and Head CTRI-RS, Kandukur accompanied the Director.



Citrus Graduate Readiness programme

The following Citrus graduate readiness webinar- sessions were conducted during the first fortnight of February, 2022.

02-02-2022	Maturity indices and harvesting in citrus	Dr.M.Siva Prasad, Professor (Hort), CoH, Anantharajupeta
04-02-2022	HDP and Canopy management in Citrus	Dr.K.M.Yuvaraj, Professor (Hort), CoH, Anantharajupeta
07-02-2022	Post harvest management and Value addition of Citrus	Dr.D.V.Sudhakar Rao Principal Scientist (Hort), ICAR-IIHR, Bengaluru
09-02-2022	Citrus Classification and Varieties	Dr.C.Madhumathi, Principal Scientist & Head, Citrus Research Station, Petlur.
11-02-2022	Kaala Nimbu	Sri Chalapathi ,Entrepreneur, Chinnaorampadu, Kadapa, Moderater: Dr.K.Swarajya Lakshmi
11-02-2022	Entrepreneurship in food processing	Sri G. Ajay kumar. Horticulture Officer, AP Food Processing Society,Vijayawada
14-02-2022	Citrus Fruit drop and Management practices	Dr.D.H.Paithankar, Principal Scientist, PDKV, Akola
14-02-2022	GAP in Citrus	Dr.V.N.P.Sivarama Krishna Assc. Professor (Hort), CoH, Anantharajupeta

Personality Development Class

On 5 February 2022, Personality Development class was organized by CoH, Chinalataripi. Students were guided regarding the decorum and discipline to be maintained that would help them to face society and other facets in their life. Students interacted actively. Dr. S.Lokesh Babu, Teaching Associate, (Agril. Extension) coordinated the programme.



World Pulses Day



On 10 February 2022, World Pulses Day was observed at CoH, Chinalataripi by conducting seminars on “Pulses- Future of sustainable farming systems “ and “Importance of pulses in maintaining food security”. Dr.S.Surya Kumari, Associate Dean, CoH, Chinalataripi coordinated the programme.

ELP Activities

On 11 February 2022, Vermicompost unit started functioning under ELP-409 at a CoH, Chinalataripi. The unit was established as one of the ELP Modules for Final year B.Sc. (Hons.) Horticulture students, Dr.S.Surya Kumari, coordinated by Mr. M.Narasimhudu Assistant Professor Entomology and Dr. B.Pratap Senior Scientist, Agronomy.



Manthan—2022

Final year students of B. Sc. (Hons.) Horticulture, CoH, Venkataramannagudem participated in the “MANTHAN-2022 (Business plan competition) outreach program for Andhra Pradesh & Telangana” organized by Federation of Karnataka Chambers of Commerce & Industry (FKCCI), Bengaluru on 9 February, 2022 through virtual mode.



Research

Delayed flowering in sweet orange and acid lime was reported by Scientist of CRS, Tirupati due to continuous rains prevailed up to December 2021 and flowering in sweet orange was observed even in the 1st fortnight of February – 2022.



As per the Directions of Hon'ble Vice Chancellor and Director of Research, Dr.K.Rajendra Prasad Sr.Scientist (Hort) & Head,Horticultural Research station,Pandirimamidi collected the seeds of endangered species Talipot palm or shree taale. It's botanical name is *Corypha umbraculifera*, belongs to the family Arecaceae from Narakodur (v)(Latitude:16.23N & Longitude: 80.51E), Bollapalle (M), 30 km away from Guntur district, Andhra Pradesh. Seeds were collected and nursery was raised to conserve the palm species.

The population of talipot palm is totally depleted due to continuous and over harvesting of leaf for various purposes mostly (taala pathra) and fire hazards are the major problems and also a belief that the flowering of the tree will result in severe drought. Hence, people usually cut it down before they flower. Seed is highly dormant because of hardy seed coat. As a result, the number of trees of this particular species has come down drastically and now it has become an endangered species.

For the effective germination the seeds are imposed with treatments like stratification followed by growth promoters (Paclobutrazol, Cycocel, Ethelene, NAA and Gibberellic acid @100ppm). Finally, Gibberellic acid @100 ppm resulted in good germination than other treatments.

Dr.D.Aparna, Senior Scientist (Hort.) HRS, V.R.Gudem collected one *Gymnema* germplasm from Ramannagudem village of Tadepalligudem mandal on 15 February 2022

Extension Activities

Vice-Chancellor to Village Activities

On 15 February 2022, Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) & Head and Dr. D. Devika Rani, RA (Entomolgy), HRS, Ambajipeta visited adopted village Mamidikuduru of East Godavari district as a part of VC to Village programme first fortnight and conducted awareness meeting to the farmers on quality planting material of coconut, recent



technologies developed by Horticultural Research Station, Ambajipeta and importance of soil testing and pest control. Also discussed about implementation of SC Sub Plan programme and selected the beneficiary farmers for cultivation of cocoa as intercrop in coconut.

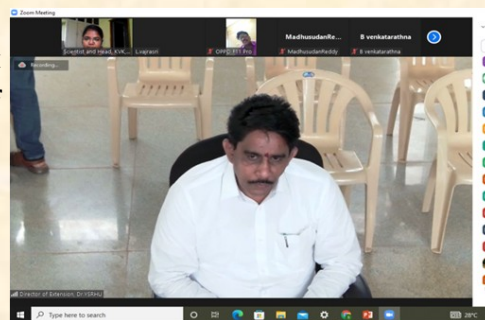
Scientists of HRS, Venkataramannagudem conducted VC to Village programme at adopted village, Ramannagudem on 15 February 2022. Dr. D. Aparna, Scientist (Hort.) explained about cultivation and scope of marketing of medicinal plants viz., Vasa and Bramhi in areas where water logging is a problem. And also explained about Vatti veru cultivation in waste lands and uncultivable areas. Dr. T. Naga Lakshmi, Senior Scientist (Pl. Path.) and Dr. P. Sunitha, Scientist (Ento.) explained about biological control of Rugose Spiralling whitefly in coconut and guava using entomopathogens and predators. Dr. B. Ramesh Babu, Senior Scientist (Hort.) and Dr. M. Ravindra Babu, Senior Scientist (Hort.) cleared the doubts posed by the farmers in various horticultural crops.



Scientific Advisory Committee (SAC) meetings

At KVK, Vonipenta

On 4 February 2022, KVK, Vonipenta conducted 5th Scientific Advisory Committee (SAC) meeting through online mode at KVK, Vonipenta. In this meeting, Dr.B.Srinivasulu, Director of Extension, Dr.YSRHU, V.R.Gudem chairman of the meeting addressed to concentrate on the major crops existing in the region, to maintain Mother blocks of fruit crops, nursery in KVK and to focus on the programmes which helps the farmers. Dr. Srividya Rani, N, Scientist & Head presented the activities taken up by KVK in the year 2021-22 and the Action Plan for the year 2022-23. Dr.V.Yugandhar, RA (Hort.), Dr.V.Nagarjuna, RA (SS&AC) and K.Prasindhu, RA, (Plant Protection) also presented their work done and action plan. SAC members Sri.D.Madhusudhan Reddy, PD, APMIP, Smt.Vajra sree, DDH, Kadapa, AD Horticulture-Kadapa-II, Scientists from the Research Stations, DAATTC, KVKs, Representatives from NGOs and farmers have given their valuable suggestions for implementation of action plan for the year 2022-23.



At KVK, Periyavaram

On 5 February 2022 5th Scientific Advisory Committee meeting 2022 of KVK, Periyavaram conducted online meeting. Dr. B.Govinda Rajulu, Principal Scientist (PP) and Head, KVK, Periyavaram welcomed the dignitaries' viz. Dr. T.Janakiram, Hon'ble Vice- Chancellor, Dr. YSR Horticultural University, Dr.B.Srinivasulu, Director of Extension, Dr. A. Bhaskaran, Principal Scientist, ICAR- ATARI, Zone-X, Dr. K.T.Venkataramana, Zonal Head, Sri. Pradeep, Assistant Director of Horticulture, Nellore, Sri. Shivanarayan, Deputy Director, Farmer Training Centre, Nellore, Smt. Sk. Shamshad Begum, CDPO Rapur, Dr.K.Madhumathi, PS and Head, CRS, Petlur, Scientists from CRS Petlur and KVK-Nellore and Shri. M.Ravi Singh, District Development Manager, NABARD, Nellore attended as committee members.

In morning session, Dr. B.Govinda Rajulu, Principal Scientist (PP) and Head, KVK, Periyavaram gave a brief presentation of activities taken up by KVK Periyavaram followed by discussion with committee members and farmers. In the afternoon session, individual scientists of KVK, Periyavaram

gave department wise presentations. The committee members appreciated the works taken up by the scientists of KVK, Periyavaram and gave suggestions for better conduct of various activities.

At KVK, Pandirimamidi

On 9 February 2022, KVK, Pandirimamidi has conducted 10th Scientific Advisory Committee (SAC) meeting. Dr. B. Srinivasulu, Director of Extension, Dr. YSRHU, Dr. RVSK Reddy, Director of Research, Dr. YSRHU, Scientists from research stations, KVKs, DAATTC, line department officials and farmers attended the programme and provided valuable suggestions to the scientists on technical aspects.



On Farm Trails

On 1 February 2022, Dr. K Mallikarjunarao, Research Associate (Horticulture), KVK, Periyavaram conducted follow-up visit to okra field at Chilamanuru village of Balayapalli mandal under OFT on “Assessment of okra hybrids for YVMV tolerance” and enlightened farmers regarding Best management practices of Okra. Presently the crop is at vegetative stage.



On 1 February 2022, K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist and Head from KVK, Vonipenta conducted Follow up visit on OFT: Assessment on Management of Root knot nematode in Guava at Bhumayapalli village of Mydukur Mandal. Scientists demonstrated the management of Root knot nematode by following inter cultivation of marigold followed by basal application of *Trichoderma viride* @100g and *Pseudomonas fluorescence* @100g and *Paecilomyces lilacinus* @ 25 ml multiplied in FYM @ 2kg per plant.

Group Discussions

On 5 February 2022, KVK, Venkataramannagudem conducted group discussion with Pandugudem, Bandarlagudem farmers to undertake base line survey cum interview on family details, structure, farming information, feedback on KVK interventions, family economic status etc. Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. V. Deepthi, Scientist (Agri. Extension) and Sri. Satish, SMS (Agro. meteorology) have participated and collected the data for the impact assessment of KVK interventions under doubling farmers income (DFI) network project. Information was collected from 40 DFI farmers and 40 non DFI farmers.



On 7 February 2022, KVK, Venkataramannagudem conducted group discussion with Vankavarigudem and Datlavarigudem farmers to undertake base line survey cum interview on family details, family structure, farming information, feedback on KVK interventions, family economic status etc. Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. V. Deepthi, Scientist (Agri. Extension) and Sri. Satish, SMS (Agro. meteorology) have participated and collected the data.

Frontline Demonstrations

On 1 February 2022, Dr.E.KarunaSree, Principal Scientist & Head and Dr.V.Deepthi, Scientist (Agricultural Extension), KVK Venkataramannagudem visited the Organic cultivation of sesame fields under Cluster Frontline Demonstration- Oil Seeds and suggested the management practices to farmers.



On 1 February 2022, Dr.E.KarunaSree, Principal Scientist & Head and Dr.V.Deepthi, scientist (Agricultural Extension), KVK venkataramannagudem visited the Kitchen gardening demonstration units in Singarajupalem Village and checked the germination and performance of green leafy vegetables distributed to 25 households as per the technical programme under Home Science and explained about the importance of fresh green leafy vegetables in daily diet.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem visited FLD fields and activities at Ravigudem and also collected the information pertaining to the DFI survey schedule on 9 February 2022.



On 7 February 2022, Dr.V.Deepthi, Scientist (Agril Extension), Dr K Venkatasubbaiah, Scientist (Hort.), KVK, Venkataramannagudem conducted follow-up visit to community nutri garden under FLDs in East Rekulakunta and MadakamvariGudem tribal Villages and provided the sweet corn seed to include in nutri garden.

Method Demonstrations

On 03.02.2022, Dr.P.Manjari, Scientist, Veterinary Science, KVK, Periyavaram conducted method demonstration on preparation of silage by drum method using super napier fodder from KVK demonstration plot. The fodder was cut to small pieces using chaff cutter cum pulveriser machine, pressed manually into drum and closed maintaining air-tight conditions for fermentation for 2 months duration. The demonstration was done for dairy farmers at KVK, Periyavaram as part of FLD on silage preparation by drum method.



On 14 February 2021 KVK, Periyavaram conducted awareness programme and demonstration of "Drone technology in Horticulture" .Dr.B.Govinda Rajulu, Principal Scientist (PP) and Head, KVK, Periyavaram enlightened the farmers regarding benefits of using the drones for spraying in agriculture and horticulture crops, and explained the efficiency of drones in reducing the labour cost and time. Later spraying with drone was demonstrated to the farmers. Ms.K.Sravani, Research Associate (Agriculture Extension), Dr.P.Manjari, Scientist (Veterinary Science), Sri.P.Dasaradha Rami Reddy, REC Member, Dr.YSRHU, Sri.Ch. Shankar Reddy, RTC Regional Chairman (Rtd), Progressive farmers, Senior inter students of AP Model school participated in the programme.

On 7 February 2022, Dr.V.Deepthi, Scientist (Agril Extension), Dr K Venkatasubbaiah, Scientist (Hort.) and Sri J Venkata Satish, DAMU, KVK venkataramannagudem has visited the oil palm and cashew orchards in Vankavarigudem village and conducted method demonstration on soil sample collection .



Exposure Visits



On 1 February 2022, exposure visit was conducted by KVK, Periyavaram for sheep farmers to Livestock Research Station, Palamaner, SVVU with the aim to acknowledge the farmers regarding scientific methods of rearing sheeps. The farmers observed housing, feeding and disease management techniques being followed at the station. They were also given lectures on Artificial insemination techniques for sheep. The programme was conducted as part of ICAR-SCSP project on Sheep rearing by Dr.P.Manjari, Scientist (Veterinary Science).

Training programmes

KVK, Venkataramannagudem conducted three days training program on “Feed and fodder management in dairy animals” from 3 to 5 February 2022 at RBK, Singarajupalem Village. During the inauguration program, Sri GaddeTilak, Sarpanch and Vamiseti-Suryakumari, M.P.P, Singarajupalem participated as Chief guests and distributed medicines to the dairy farmers. The participants were explained about feed management, improved fodder varieties and fodder preservation techniques, importance of fodder trees in fodder scarcity season, health management, management of mastitis, milking methods, clean milk production, reproductive management, oestrous detection, artificial insemination etc in cattle and buffalo. Practical visit to Buffalo Research Station, SVVU, VRGudem and livestock units, IFS units of KVK was conducted on 5.02.2022. In the Valedictory program on 5th, Dr.B.Srinivasulu, Director of Extension, Dr YSR Horticultural University participated as Chief guest and released pamphlet on “Abhivruddiparachina pasugrasalu” and distributed certificates and fodder seed, CoFS 29 to dairy farmers. This program was coordinated by Dr.T.VijayaNirmala, Scientist (Veterinary Science) and Dr.E.Karunasree, Principal Scientist & Head, KVK, Venkataramannagudem.



Dr.P.Ashok, Senior Scientist (Hort.) & Head and Dr. B. Ramesh Babu, Senior Scientist (Hort.), HRS, V.R.Gudem conducted one day training programme on “Mango and acid lime cultivation” aspects and distributed inputs to the tribal farmers of Dakodu village of Addateegala mandal under Tribal subplan of AICRP on fruits on 9 February 2022.

Dr.A.Devivaraprasad Reddy, Scientist (Fishery Science), KVK, VRGudem has attended as resource person for the training program on “New Technologies in Fish/Prawn Processing and Best Management Practices & Value Addition” to SC farmers and delivered a talk on Nursery management, Best Management practices, new advanced technologies in aquaculture and post-harvest technologies on 10.02.2022 at Aqua Lab Training Centre, O/o. Joint Director of Fisheries, Eluru.



KVK, Venkataramannagudem conducted three days training program on “Clean milk production for more income” from 9 to 11 February 2022. During inauguration program, Sri S.ShanthaKumari, Sarpanch and Y.Prasad, Vice president, Dippakayalapadu participated as Chief guests. The participants were exposed to various topics related to improved fodder varieties and fodder preservation techniques, disease management, mastitis, milking methods, measures to improve fat and SNF percentage in milk, clean milk production, reproductive management in cattle and buffalo, different state government and central government schemes in livestock sector etc. Practical visit conducted to Buffalo Research Station, SVVU, VRGudem and livestock units, IFS units of KVK on 11.02.2022. In the Valedictory program, Dr.B.Srinivasulu, Director of Extension, Dr YSR Horticultural University participated as Chief guest and distributed certificates and fodder seed CoFS 29 to dairy farmers. This program was coordinated by Dr.T.VijayaNirmala, Scientist (Veterinary Science) and Dr.E.Karunasree, Principal Scientist & Head, KVK, Venkataramannagudem. In this program Dr.B.R.Srinivasan, VAS, Dippakayalapadu, Dr.Dr.G.Somashekar, VAS, Koyyalagudem, Animal Husbandry Assistants (AHA) and 40 dairy farmers have participated.



On 10 February 2022, Dr.T.Vijaya Nirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem conducted animal health camp at Dippakayalapadu. In this a total of 84 no. cattle and buffaloes were treated for medical and gynaecological cases.



On 7 February 2022, KVK, Venkataramannagudem conducted training program on “Improved pulse cultivation” to Vankavarigudem farmers in coordination with RBK staff. Explained about the available YMV resistant pulse varieties and other crop management aspects. This program was coordinated by Dr. V. Deepthi, Scientist (Agri. Extension), Dr.K.Venkata Subbaiah, Scientist (Horticulture) and Sri.JVenkataSatish, SMS (Agro. meteorology). In this program 25 farmers have participated.

On 15 February 2022, Dr. V. Deepthi, Scientist (Agri. Extension), KVK, Venkataramannagudem conducted training program on “Importance of bio control agents for controlling soil borne pathogens in Sesame crop” in Singarajupalem in coordination with RBK staff. Explained the method of multiplication of *Trichoderma viride* & *Pseudomonas fluorescens* in neem cake and FYM. Later distributed the bio control agents and neem cake to sesame farmers under cluster frontline demonstration - oil seeds programme.



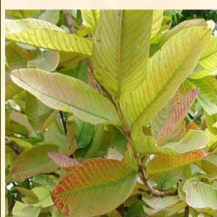
On 7 February 2022, KVK, Venkataramannagudem conducted training program on “Flowering Management in Cashew” at Vankavarigudem RBK. In this program farmers learnt about sprays at different stages of crop and also precautions to be taken during summer for good yields in cashew. This program was coordinated by Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. V. Deepthi, Scientist (Agri. Extension) and Sri. Satish, SMS (Agro. Meteorology).

On 7 February 2022, Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta, participated in awareness campaign at RBK level in Pallavolu and Khadarpalli villages of Chepadu mandal. The scientist interacted with farmers and explained the importance of nutrient management in Groundnut, Black gram and Paddy and importance of application of SSP for supplying Ca and S along with P and application of Gypsum at the time of flowering for increasing the oil content. J. Maggi, MAO, Chepadu and K. Mohan, Assistant Manager, Union bank and 35 farmers attended the programme.



Diagnostic Visits

On 9 February 2022, Dr.T.VijayaNirmala, Scientist (Veterinary Science), KVK, Venkataramannagudem conducted diagnostic visit to dairy flock of farmer belongs to Gavaravaram village, Koyyalagudem mandal. Observed buffalo recovered from horn amputation and suggested treatment with anti-haemorrhagic drug inj. Styptochrome – 125 mg to prevent bleeding. Also visited Supernapier and guinea grass fodder fields and explained cultivation practices for more green fodder production.



On 1 February 2022, K. Prasindhu, Research Associate (Plant Protection) and Dr. Srividya Rani.N, Scientist and Head, KVK, Vonipenta visited Guava fields at Bhuma-yapalli village of Mydukur mandal. Identified the Magnesium deficiency in Guava and suggested foliar application of $MgSO_4$ @ 2 gm /lit for correcting the deficiency.

On 8 February 2022, Dr. Srividya Rani N, Scientist and Head and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted diagnostic field visit in Chilli fields for diagnosis of pests and diseases at Thippireddypalli village of Mydukur mandal. Identified viral disease and suggested to spray Acetamiprid @ 0.2 gm/lit or Fipronil @ 2 ml/lit for controlling the vector.



On 8 February 2022, Dr. Srividya Rani N, Scientist and Head (Extension) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted diagnostic field visit in Tomato fields for diagnosis of pests and diseases at Thippireddypalli village of Mydukur mandal. Identified early blight and suggested to spray Mancozeb @ 3 gm /lit or Propiconazole @ 1 ml/lit.

On 8 February 2022, Dr. Srividhya Rani N, Scientist and Head (Extension) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted diagnostic field visit in Brinjal fields for diagnosis of pests and diseases at Thippireddypalli village of Mydukur mandal. Identified the leaf blight and suggested drenching with COC @ 3 gm/lit.



Dr.Ch. Ruth, Professor (Pl.Path.), Dr.K.Swarajya Lakshmi, Professor (Hort.) visited papaya garden of K.Sivakumar, Farmer in Venatareddipalli village on 15 February 2022. Notified yellowing of leaves due to micronutrient deficiencies and suggested to follow proper nutrient management. INM and IDM practices were suggested.



Dr.Ch. Ruth, Professor (Pl.Path.) and Dr.K.Arunodayam, Asst. Professor (Pl.Path.) along with PG and PhD (Plant pathology) students visited papaya garden of Sri.Nagabhushanam, Anantharajupeta village, Kodur (M) on 4 February 2022 and observed foot rot symptoms and suggested soil drenching of metalaxyl@ 2g/per lit of water. Also visited mango nursery in Raghavarajapuram (V), and noticed shoot borer, hopper, sooty mold incidence and recommended control measures.

On 4 February 2022 Dr.T.VijayaNirmala, Scientist (Veterinary Science). KVK, Venkataramannagudem visited integrated farming system maintained by farmer in Singarajupalem village of NallajerlaMandal and suggested deworming to calves at seven days of age, after that monthly intervals up to six months and treated a seel bird with limping condition and explained about feeding practices of exotic and indigenous cattle, utilization of dung and urine for vermicomposting and organic manure production.



On 5 February 2022, Dr.V.Deepthi, scientist (Agri Extension), KVK Venkataramannagudem has visited maize fields in Pandugudem village and suggested the fertilizer management for optimum yields.

Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. V. Deepthi, Scientist (Agri. Extension) and Sri. Satish, SMS (Agro. meteorology), KVK, Venkataramannagudem went to cashew fields as diagnostic visit on 07-02-2022 and found leaf spot and also very few damage symptoms of T-mosquito bug and suggested suitable remedial measures in cashew.



Dr. K. Venkata Subbaiah, Scientist (Horticulture), Dr. V. Deepthi, Scientist (Agri. Extension) and Sri. Satish, SMS (Agro. Meteorology), KVK, Venkataramannagudem went to oil palm fields on 07-02-2022 and explained about the importance of fertigation in Horticulture crops and fertigation schedule in oil palm in tribal villages.

ICAR SC Subplan

On 9 February 2022, Dr. V. Govardhan Rao, Scientist (Pl.Path) and Sri. A. Kireeti, RA, (Hort.), HRS, Ambajipeta proceeded to fields under SC Sub Plan 2020-21 beneficiary farmers in Kothalanka village of Mummidivaram Mandal of East Godavari district.

On 13 February 2022, Horticulture Research Station, Ambajipeta conducted training programme on “Recent advances in coconut and intercrops cultivation” in Pillanka H/o Kothalanka village under ICAR – AICRP on Palms, SC Sub Plan 2021-22 and distributed the planting material of Coconut, Cocoa and Banana and other inputs to SC beneficiaries. In this meeting Sri.



P. Venkata Satish Kumar, Hon'ble MLA, Mummidivaram, Dr. T. Janakiram, Vice-Chancellor, Dr.YSRHU, Dr.R.V.S.K.Reddy, Director of Research, Dr.B.V.K.Bhagavan, Principal Scientist (Hort.) & Head, Scientists of Horticultural Research Station, Ambajipeta and around 150 farmers of the village have participated. Welcome address was given by Dr.B.V.K.Bhagavan, Principal Scientist (Hort.) & Head and Technical Session was addressed by Dr.N.B.V.Chalapathi Rao, Principal Scientist (Ent.), Dr. V. Govardhan Rao, Scientist (Pl.Path.) and Smt. B. Neeraja, Scientist (Pl.Path.).

On 14 February 2022, Dr. V. Govardhan Rao, Scientist (Pl.Path) and Dr. G. Koteswara Rao (RA), HRS, Ambajipeta proceeded to Pillanka village for distributing the coconut, banana and cocoa seedling and other inputs to the selected beneficiaries under SC Sub Plan 2021-22.



As a part of SC-Sub Plan (ICAR) Project-2021, training cum exposure visit to Vermicompost and Mushroom culture units was arranged for a group of twenty SC farmers at College of Horticulture, Anantharajupeta on 04-02-2022. Vermicompost unit and Mushroom culture units are being maintained by the final year students as part of the Experiential learning programme. Dr. Y.

Deepti kiran, Asst Professor (Agro.) & Manager Vermicompost Unit and ELP students explained the farmers about the importance of Vermicompost and its benefits and how to start their own unit. At Mushroom culture unit, Dr. Ch. Ruth, Professor (Pl. Path.) & Manager of Mushroom culture unit explained the cultivation of Oyster mushrooms and showed the preparation of spawn and ready to harvest mushrooms. Dr. B. Srinivasulu, Associate Dean, Dr. P. Syam Sundar Reddy, Associate Professor & Project Coordinator, Dr. K. M. Yuvaraj, Professor (Hort.), Dr. Syed Sadarunnisa, Professor (Hort.), Dr. Y. Sireesha, Asst. Professor (Pl. Path.), other teaching staff and ELP students have participated.

Under ICAR-SCSP project on sheep rearing, breeding rams were procured from Livestock Research Station, Palamaner, SVVU on 2 February 2022. These rams were procured to introduce into the flocks of sheep farmers to prevent inbreeding disorders in sheep flocks and improve the reproductive ability of sheeps. These rams were distributed to SC sheep rearing farmers of Siddavaram and M.D.Kandriga villages of Venkatagiri mandal.



Inputs like vegetable seeds, protrays, coco peat blocks, water soluble fertilizers, plant protection chemicals and vegetable seedlings were distributed to the selected twenty SC farmers from three villages of Railway Kodurmandal as part of SC-Sub plan project- “Quality vegetable seedling production under protected structures” on 4 February 2022 at CoH, Anantharajupeta. Dr. B. Srinivasulu, Associate Dean, Dr. P. Syam Sundar Reddy, Associate Professor & Project Coordinator, Dr. K. M. Yuvaraj, Professor (Hort.), Dr. Syed Sadarunnisa, Professor (Hort.), Dr. Y. Sireesha, Asst. Professor (Pl. Path.) and other teaching staff and ELP students participated.



Principal Investigator of SCSP Dr. M. Kalpana, Professor (Horticulture), CoH, Venkataramannagudem organised awareness programme on “Production technology of cashew” and released pamphlets and booklet on cashew, distributed farm tools and cashew grafts to farmers under SCSP on Cashew area expansion and rejuvenation at Ramasingavaram and G.Kothapalli, Dwaraka Tirumala mandal on 1 February 2022 under the chairmanship of Dr. M. Madhavi, Associate Dean. Dr L. Naram Naidu, Professor (Hort.) and progressive farmers participated in the programme.

Principal Investigator of SCSP Dr. N. Emmanuel, Associate Professor (Entomology) and Dr. B. Chennakesavulu, Associate Professor (Ag. Engineering), CoH, Venkataramannagudem conducted awareness programme on “Integrated pest management in Vegetable crops” and distributed vegetable seedlings to farmers under SCSP-IPM project at Telikacharla village, Nallajerla Mandal on 4 February 2022.



Under ICAR- AICRP (fruits), Scheduled-caste sub plan programme, beneficiaries from Mukkuvaripalli village of Obulavaripalli mandal visited AICRP Tirupati centre and were taken to exposure on know how of tissue culture banana production and importance of micropropagation at MICCO Laboratories Pvt. Ltd, (A DBT accredited Lab) at Cherlopalli and Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Dr. Mukundalakshmi, Sr. Scientist (Hort), Dr. D. Srinivasa Reddy, Sr. Scientist (Ento) and Dr. T. Rajasekhar, Sr. Scientist (Pl. Path), CRS, Tirupati explained the ongoing research activities to SC farmers of Mukkuvaripalli village of Obulavaripalli mandal, YSR Kadapa – district and acid lime seedlings cv. Balaji were distributed to the beneficiaries (Seven farmers @ 110 plants/ beneficiary) on 1 February 2022.

On 8 February 2022, Dr. BVK. Bhagavan, Principal Scientist (Hort.) & Head and Dr. V. Govardhan Rao, Scientist (Pl.Path), HRS, Ambajipeta proceeded to Pillanka H/o Kothalanka village, Tallarevu Mandal of East Godavari district for selection of beneficiary farmers under SC Sub Plan 2021-22 for banana, coconut and cocoa cultivation

Under ICAR- AICRP (fruits), Scheduled-caste sub plan programme, beneficiaries from Penagaluru, Kadapa district visited AICRP Tirupati centre. Dr. R.Nagaraju, Principal Scientist (Hort) & Head, Dr. L. Mukunda Lakshmi, Senior Scientist (Hort), Dr. D. Srinivas Reddy, Senior Scientist (Ent.) and Dr. T. Rajasekharam, Senior Scientist (PP) explained the ongoing research activities and acid lime seedlings cv. Balaji were distributed to the beneficiaries (Four farmers @ 110 plants/ beneficiary) on 14 February 2022.



Under ICAR-SCSP projects, KVK, Periyavaram organized orientation class on 10 February 2022 for conducting Coaching classes on Banking, Civil Service Examinations, GRE and Personality Development for SC students of KVK, Periyavaram operational areas. The students were briefed about the course contents under each type of examination and were given a tentative timeline of the programme. The coaching classes are being organized in association

with Kautilya-CL, Tirupati.

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 February, 2022 (3-4 PM).

Date	Topics
01.02.2022	జీడి తోటలలో నీరు మరియు పోషకాల నిర్వహణ డా. కె. ఉమామహేశ్వరరావు, సీనియర్ శాస్త్రవేత్త, జీడిమామిడి పరిశోధన స్థానం, బాపట్ల
02.02.2022	మిరపలో ఎరువుల యాజమాన్యం మరియు ఎగుమతి నాణ్యత ప్రమాణాలు డా.సి.వెంకట రమణ, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, లాం
03.02.2022	చిలగడ దుంపలో సస్యరక్షణ డా.ఎం.జానకి, శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, పెద్దాపురం
04.02.2022	అరటిసాగులో చీడపీడలు – యాజమాన్య పద్ధతులు శ్రీ.జి సందీప్ నాయక్, శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, అనంతరాజుపేట
05.02.2022	నల్ల మిరియాలు, పసుపు మరియు అల్లంలో విలువ ఆధారిత ప్రక్రియ డా.వి.శివ కుమార్, శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, చింతపల్లి
07.02.2022	నిమ్మ తోటల్లో సమగ్ర సస్యరక్షణ డా.ఎం.కవిత, సీనియర్ శాస్త్రవేత్త, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
08.02.2022	మామిడిలో పూత సమయంలో ఆశించే తెగుళ్ళు మరియు నివారణ పద్ధతులు డా.బి.కె.ఎం.లక్ష్మి, ప్రధాన శాస్త్రవేత్త & హెడ్, మామిడి పరిశోధన స్థానం, నూజివీడు

Date	Topics
09.02.2022	కొబ్బరి తోటల్లో కాపు నియంత్రణ డా.బి.వి.కె.భగవాన్, ప్రధాన శాస్త్రవేత్త & హెడ్, ఉద్యాన పరిశోధన స్థానం, అంబాజీపేట
10.02.2022	కూరగాయల రక్షిత సాగు డా.ఎం.రవీంద్రబాబు, సీనియర్ శాస్త్రవేత్త, ఉద్యాన పరిశోధన స్థానం, వెంకటరామన్నగూడెం
11.02.2022	క్యాబేజీ/ కాలీఫ్లవర్ సాగు డా.వి.రమణ, ప్రిన్సిపాల్, ఎస్.ఎస్.పి.జి.ఉద్యాన పాలిటెక్నిక్, మడకశిర
14.02.2022	నిమ్మ తోటల్లో నులి పురుగుల యాజమాన్యం డా.ఎం.కవిత, సీనియర్ శాస్త్రవేత్త, చీని, నిమ్మ పరిశోధన స్థానం, పెట్లూర్
15.02.2022	జీడిమామిడిలో ఆకులు మరియు పూత తెగుళ్ళ నిర్వహణ డా.బి.నాగేంద్ర రెడ్డి, శాస్త్రవేత్త, జీడిమామిడి పరిశోధన స్థానం, బాపట్ల

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

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

Date	Topics
01.02.2022	వాతావరణ సూచనలు; ఫిబ్రవరి మాసంలో పూల తోటలలో చేపట్టవలసిన పనులు; ఆకుకూర (తోటకూర, పాలకూర & కొత్తిమీర) సాగులో మెళకువలు
02.02.2022	చేమదుంప సాగులో యాజమాన్య పద్ధతులు
03.02.2022	పుట్టగొడుగుల పెంపకంలో మెళకువలు
04.02.2022	ఆధునిక పద్ధతిలో కూరగాయల సాగు; బెండ సాగులో మెళకువలు
05.02.2022	ఫిబ్రవరి మాసంలో వివిధ తోట పంటలనందు చేపట్టవలసిన పనులు; గులాబీ, గ్లాడియోలస్ సాగులో మెళకువలు
07.02.2022	చీని, నిమ్మ సాగులో మెళకువలు
08.02.2022	తీగ జాతి కూరగాయల సాగులో మెళకువలు; ఆకుకూరల (తోటకూర, పాలకూర & కొత్తిమీర) సాగులో మెళకువలు
09.02.2022	మిరప సాగులో మెళకువలు
10.02.2022	పండ్లు, కూరగాయల నిల్వలో పాటించవలసిన ప్రాథమిక సూత్రాలు & నిల్వ పద్ధతులు
11.02.2022	కర్రపెండలం సాగులో యాజమాన్య పద్ధతులు
14.02.2022	నిమ్మ సాగులో మేలైన యాజమాన్య పద్ధతులు
15.02.2022	మిరప 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 first fortnight of February, 2022.

Date	Topic	Scientist Name
04.02.2022	మిరపలో అంతర కృషి, సస్యరక్షణ మరియు పచ్చికాయ ఏరుట	Dr.A.Rajani, Sr.Scientist (Hort.), HRS, Lam
07.02.2022	క్యాబేజీ, క్యాలిఫ్లవేర్ సాగులో మెళకువలు మరియు చీడపీడల యాజమాన్యం	Dr.P.Suneetha, Scientist (Ento.), HRS ,Venkataramanangudem
11.02.2022	పుట్టగొడుగుల పెంపకం	Dr.N.Chiranjeevi, Research Associate (Pl. Pathology), KVK, Pandirimamidi
14.02.2022	మామిడి పండ్ల రవాణా సమయంలో తీసుకోవలసిన ప్యాకింగ్ విధానాలు	Dr.R.Rajyalakshmi Sr.Scientist, MRS, Nuzvid

General

Meetings

Dr. R.Nagaraju, Principal Scientist (Hort), Dr L. Mukunda Lakshmi, Senior Scientist (Hort), Dr. D.Srinivasa Reddy, Senior Scientist (Ento) and Dr. T. Rajasekharam, Senior Scientist (Pl. Path.), CRS, Tirupati attended Citrus Review Meeting with Project Co-ordinator, ICAR-AICRP on Fruits in coordination with Citrus Nodal Centre, ICAR-CCRI, Nagpur on 8 February 2022 through virtual mode.

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.), CRS, Tirupati attended meeting on CSIR 4PI project - crop phenology on 9 February 2022 through virtual mode conducted by Director of Research, Dr.YSRHU, V R Gudem.

Stalls

Dr. B. Srinivasulu, Director of Extension, Dr YSRHU, Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Member - convenor - skill development training centre coordinated the display of value added products viz., images of Sri. Lord Venkateswara Swamy varu, resin made products i.e., key chains, pen stands, paper weights, and pendant dollars etc.prepared with worshipped flowers by trained women at Dr YSRHU – TTD skill development training centre, CRS, Tirupati and were being displayed in exhibition stall at Sri. Ramanuja Sahasrabdi, Shamshabad, at Jiva campus, Sri ramanagaram, Shamshabad, Hyderabad from 2 to 14 February 2022 by staff of CRS, Tirupati. Dr. V. Gopi, Technical Assistant, Agri. Extension officers Sri. K. Sudhkar Chetty, Sri. P. Madhavarao, Sri. M. Mohan Reddy, and Sri. J. Murali, CRS, Tirupati looked after the day to day activities during the function and explained the activities of skill training centre to the devotees visited.



Dr L. Mukunda Lakshmi, Senior Scientist (Hort), Dr. D.Srinivasa Reddy, Senior Scientist (Ento) and Dr. T. Rajasekharam, Senior Scientist (Pl. Path.), CRS, Tirupati participated in Kisan Mela organized by RARS, ANGRAU, Tirupati on 10 February 2022 and displayed ICAR-AICRP Technologies and citrus germplasm diversity.



Visits

Zonal sales manager, Raasi seeds pvt. Ltd, Coimbatore along with staff, Technical persons from Ashirvad pharma, Coimbatore and software Engineers, USA, visited TTD – Dr. YSRHU visited skill development training centre, CRS, Tirupati during the month under report and Dr. R. Nagaraju, Principal Scientist (Hort) & Head, Member - convenor explained about the skill activity imparted to the women by Dr. YSRHU and its importance.

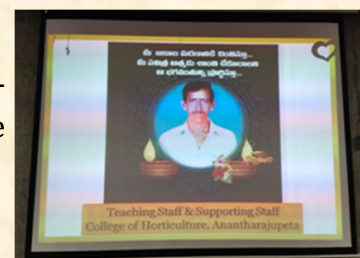


Publications

Venkata Sathya Sai Kumar K., Ramaiah M, Sarada G, Chalam NSB, Ruth Ch and Swarajya Lakshmi, K. (2022). Bio- Systematics of leaf hoppers in selected vegetable, flower, spice crops. The Pharma innovation journal, 11 (1)16-27 pp.

Obituary

Sri K. Sambaiah, AWM, CoH, Anantharajupeta, expired due to cardiac arrest on 10 February 2022. All the staff extended deep condolences to the family members and prayed for almighty to keep his soul rest in peace



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

Editors: **Dr B. Srinivasulu**, Director of Extension
Dr R.V.S.K.Reddy, Director of Research
Dr K.Gopal, Registrar

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>