National Horticultural Fair

An exhibition stall displaying the technologies and value added products was arranged by the scientists of KVKs under Dr.YSRHU, ICAR-ATARI, zone-X at National Horticulture Fair-2020 from 5th to 8th February, 2020. Dr. B.M.C. Reddy, former Vice-chancellor, Dr.YSRHU and Dr. B. Srinivasulu, Director of Extension, visited the stall and appreciated the activities. Dr. E. Karuna Sree, Principal Scientist and Head, KVK, Venkataramannagudem, Dr. B. Govindarajulu, Principal Scientist and Head, KVK, Periyavaram, Dr. K. Venkata Subbaiah, Scientist (Hort.), KVK, Venkataramannagudem and Sri. K.C. Bhanu Murthy, Scientist (Hort.) have attended the National Horticultural Fair-2020.

Dr. D. Srinivas Reddy, Senior Scientist (Ento.), CRS, Tirupati and Dr. B. Ramesh Babu, Sr. Scientist (Hort.), HRS, Venkataramannagudem participated and displayed the AICRP recommended technologies from Tirupati, Kovvur and Anantharaju peta and exhibits in National Horticultural Fair-2020 at IIHR, Bengaluru from 5th-8th February, 2020. Hon’ble ADG (Hort-1) Dr. M.S. Dhillon and Dr. Prakash Patil, Project Coordinator, ICAR-AICRP on Fruits visited the stall and interacted with scientists.
NSS Activities
NSS special camp was organized from 12.02.2020 to 18.02.2020 in two adopted villages R. Rachapalli and Balireddypalli by CoH, Anantharajupeta. A total of 120 volunteers from II year B.Sc. (Hons.) Horticulture actively participated in the camp. Inaugural session was organized in R. Rachapalli. Dr.B.Srinivasulu, Associate Dean, CoH, Anantharajupeta presided over the function. All the teaching staff of the CoH, Anantharajupeta also participated in various programs during the special camp. NSS programme officers, Dr. M. Jayaprada, Unit-I officer and Dr. K. Arunodhayam, Unit-II officer coordinated the programme.

Research
Smt. B. Neeraja, Scientist (Pl. Path.), HRS, Ambajipeta proceeded to Adurru village to initiate the observational trial on “Management of leaf blight diseases of coconut caused by *Lasiodiplodia theobromae*. Alternate sprayings of Hexaconazole, carbendazim and copper oxy chloride were given at 15 days interval on 01.02.2020.

Training Programmes
KVK, Venkataramannagudem conducted two days paid training to S.R.R. and C.V.R, Govt. Degree College (A), Vijayawada and Govt. Degree College, Chintalapudi on “Propagation Techniques and Nursery Management in Horticultural crops” on 12th and 13th of February 2020. Dr. D. Srihari, Dean of Horticulture gave a lecture on “Propagation techniques in horticultural crops” and shared his vast experience with students and also the participants got exposed to practical things like grafting in Jack fruit, Mango, Hitech nursery and other demonstration units of KVK. Dr. K. Venkata Subbaiah, Scientist (Hort.) coordinated the programme. About 22 students along with their teaching staff have participated in the programme.

KVK, Venkataramannagudem in collaboration with SERP conducted 2 days Skill training program on 12th and 13th of February, 2020 on ‘Millet Processing’ to rural women at Jeelugumilli. Dr. E. Karuna Sree, Principal Scientist & Head, KVK, Venkataramannagudem explained about preparation of different value added products from millets. Later distributed CFLD inputs to the farmers.
Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram participated in a training programme as resource person conducted by Dept. of Horticulture, Peddapuram sub-division on 13.02.2020 at R.B.Patnam village and explained about improved cassava varieties, improved package of practices of cassava and value addition in cassava.

On 05.02.2020, KVK, Pandirimamidi conducted training program on ‘Pest and disease management in cashew’ at Velagapalli village of Devipatnam mandal. Method demonstration on management of cashew stem borer and termites as part of the program. 30 farmers from Donalanka and Velagapalli villages and representatives of Pragathi, NGO participated in the program. Dr. S. Adarsha Scientist (Ento.) coordinated the programme.

On 15.02.2020, KVK, Pandirimamidi has conducted off campus training program on improved cultivation practices of cashew & mango and addressed the farmers on canopy management of young orchards, management of flower and fruit drop, integrated management of pests and diseases. Sri Bhanu murthy K.C, Scientist (Hort.) coordinated the program. About 31 farmers and technical assistants from Tanager-NGO participated.

KVK, Venkataramannagudem conducted seven days skill training programme on ‘Organic farming’ from 27.01.2020 to 02.02.2020. Trainees got exposed to various theoretical and practical aspects related to organic farming. Trainees prepared jeevamrutham, ghanajeevamrutham, panchagavyam, beejamrutham and pachimirchi-velluvulli dravanam, agnistram, bramastram, neemastram, panchapatra kasayam, dasaparna kasayam as part of the training programme. Trainees visited organic fields at Dommeru, Kovvur as part of the training programme. Dr.K.Venkata Subbaiah, Scientist (Hort.), Dr.V.Deepthi, Scientist (Agricultural Extension), KVK, V.R.Gudem have participated in valedictory on 02.02.2020 and mentioned about the demand for the organic products at present. Dr.V.Deepthi, Course Coordinator, Scientist (Agricultural Extension) coordinated the programme.

On 14.02.2020, KVK, Venkataramannagudem along with Department of Horticulture conducted one day training program on “Acid lime cultivation” to acid lime farmers. Dr. U. Shiva Kumar, Research Associate (SSAC) delivered a lecture on ‘Important aspects of acid lime cultivation like crop regulation, integrated nutrient management and pest diseases of acid lime’. Conducted awareness cum training program on ‘District Agromet unit’ at Ammapalem of Jagareddygudem mandal. About 40 farmers have participated in the programme. Sri. J. Satish, SMS (Agro meteorology) coordinated the programme.
On 03.02.2020, KVK, Vonipenta conducted off campus training programme on “Integrated Crop Management in chillies” at Palugurallapalle village of B.Mattam mandal. Dr. V. Yugandhar, Research Associate (Hort.) explained about nursery management, varieties, fertilizer and water management, flower and fruit drop management, pest and disease management and other cultural practices followed for getting good quality and higher yields in chillies.

On 14.02.2020, KVK, Vonipenta conducted on-campus training programme on ‘Importance and methods of composting for recycling of farm residues’ at KVK, Vonipenta. Dr. B. Govindarajulu, Principal Scientist (FAC), KVK, Vonipenta addressed the farmers on ‘Importance of composting of plant residues and waste decomposer technology’. Dr. V. Nagarjuna, Research Associate (Soil Science) explained the method of filling the pits, advantages and disadvantages of different composting methods i.e, NADEP, Bangalore, Indore, Coimbatore and vermicomposting for recycling of farm waste and creating employment for rural youth for additional income with production and selling of compost. In this programme Srividya Rani.N, Scientist (Agricultural Extension) and Dr. V. Yugandhar, Research Associate (Hort.) and 45 farmers have participated.

**On Farm Trial**

On 13.02.2020, Dr. B. Govinda Rajulu, Principal Scientist (Pl. Path.), Ms. Y. Swarupa, Research associate (Ento.) and Dr. P. Avani Research associate (Hort.), KVK, Periyavaram made a field visit to chilli at Petluru as part of OFT and identified *spodoptera litura* and *choanephora* blight and suggested to spray emamectin benzoate 0.4gm/l and copper oxy chloride 2g/l and distributed neem oil (2ml/l of water) for further spray at 10 days interval.

On 04.02.2020 Dr. S. Adarsha Scientist (Ento.) and N. Chiranjevi R.A. (Pl. Path.), KVK, Pandirimamidi visited maize crop in OFT, ‘Assessment of management modules of Fall army worm in maize’. Observed 45 percent damage of leaf whorls. Suggested for second spraying with *Metarhizium anisopliae* @5ml/l or *Bt (Delfin)*@2g/l for management of FAW in maize. Provided critical inputs as part of the program.

On 06.02.2020 and 15.02.2020, Dr. V. Yugandhar, Research Associate (Hort.) and Dr. V. Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta visited banana OFT trial “Banana bunch management” for follow-up at Settivaripalli and Thimmayapalli villages of Mydukur mandal. Observed potassium deficiency in banana and recommended application of potassium nitrate @ 0.5%.
Front Line Demonstrations
On 03.02.2020, Dr. B. Govinda Rajulu, Principal Scientist (Pl. Path.), Ms. Y. Swarupa, Research associate (Ento.) and Dr. P. Avani Research Associate (Hort.), KVK, Periyavaram made a visit to acid lime orchard as part of FLD at Rajupalem village, Venkatagiri mandal and identified initial dry root rot. Advising soil drenching with mancozeb 3g/l of water/sq mt area of the plant basin.

On 01.02.2020, Sri Bhanumurthy K.C, Scientist (Hort.), KVK, Pandiriramamidi along with Sri. Rambabu, T.A, Pragati-NGO visited cashew orchards under FLD i.e. Insitu soil and water conservation measures for sustainable cashew production in agency area in Maddhiratigudem village of Devipatnam Mandal. Crop is at flowering and fruit initiation stage and suggested the farmer about the measures to manage T-Mosquito bug infestation.

On 12.02.2020 and 13.02.2020, Sri Bhanumurthy K.C, Scientist (Hort.), KVK, Pandiriramamidi visited cashew orchards under FLD i.e. Multiple cropping in cashew orchards in Peddhageddhada village of Rampachodavaram Mandal (Brinjal and Tomato as intercrop in cashew) and Rajampalem village of Gangavaram mandal (Tapioca as intercrop in cashew). Brinjal and tomato are at flowering and fruiting stage and tapioca is at 195 days old stage.

On 14.02.2020 and 15.02.2020, KVK, Pandiriramamidi provided Pongamia soap to beneficiaries for the demonstration on cashew T-mosquito bug management (SCSP-2019) and also demonstrated the usage of pongamia soap to farmers of T-Burubandha and Kakavada village of Rampachodavaram mandal. Sri K.C.Bhanu murthy, Scientist (Horticulture) coordinated the program.

On 11.02.2020, KVK, Vonipenta provided inputs like planofix and triazophos under FLD “Flower and fruit drop management in chillies”. Dr. V. Yugandhar, Research Associate (Hort.) explained the importance of chemicals in enhancing crop yield, time of application and precautions to be taken while spraying the chemicals.

Diagnostic Visits
On 06.02.2020, P Raja Sekhar, Scientist (SS &AC) and Dr. N. Chiranjeevi, Research Associate (Pl. Path.), KVK, Pandiriramamidi visited mango orchards under FLD on ‘Integrated Crop Management in Mango’ at Thallapalem village of Rampachodavaram mandal. Observed severe infestation of mango leaf webber and recommended for destruction of webbings followed by spraying of 5% neem oil. Also visited maize field at Bandhapalli village where fall army worm damage was observed and recommended emamectin benzoate 5% SG @ 0.4 g /l water for its control.
Dr.N.B.V.Chalapathi Rao, Principal Scientist (Ento.), HRS, Ambajipeta carried out field visit to Rugose white fly infested coconut plantations in Kalavalapalli, Chikkala and Chagallu villages in West Godavari, Andhra Pradesh on 06.02.2020 and assessed population of whitefly and advised management measures to farmers.

On 11.02.2020, Sri.G.Shali Raju, Scientist (Ento.), KVK, Venkataramannagudem visited Apiary unit at Tirumalampalem village and identified infestation of wax moth and varroa mite and suggested suitable remedial measures.

On 12.02.2020, Sri.G.Shali Raju, Scientist (Ento.), KVK, Venkataramannagudem conducted diagnostic visit to brinjal field and identified brinjal shoot & fruit borer damage and suggested collection and destruction of infested twigs and fruits, installation of pheromone traps @ 10/ac and spraying of profenophos @ 2 ml or thiodicarb @ 1 g/l of water against fruit borers.

On 01.02.2020, Dr.V. Yugandhar, Research Associate (Hort.), KVK, Vonipenta visited tomato fields for diagnosis of pests and diseases at Topalli village of Chapadu mandal. Observed tomato spotted wilt virus infection and recommended removal and destruction of infected plants followed by the spraying of dimethoate or methyl-O-demeton @ 0.2% to control the spread of disease.

On 10.2.2020 and 12.2.2020, Dr. V. Yugandhar, Research Associate (Hort.) and Dr. V.Nagarjuna, Research Associate (Soil Science), KVK, Vonipenta conducted followup visits in chilli fields at Joukupalli village of B.Mattam mandal and Keshapuram village of Mydukur mandal respectively under IIHR, SC-Sub plan. Identified upward curling and recommended to spray imidacloprid @ 0.03% or dimethoate @ 0.2% + neemol @ 0.5%.

**Field day**

On 10.02.2020, field day was conducted on Black gram variety TBG-104 and green gram variety IPM 2-14 at KVK, Periyavaram of Venkatagiri mandal. Dr.P.Sujathamma Senior scientist (Agronomy), and B.Santhosh kumar Scientist (Plant Breeding) of ARS Podalakur and Sri.M.Nagarjuna Sagar, ADA, Venkatagiri examined the field and appreciate for the good results and enlightened the characteristics of these varieties to the farmers, students and adjudged that these varieties are most suitable to this area and explained about the management practices of pulses. Dr.B.Govinda Rajulu, Principal Scientist and Head, Krishi Vigyan Kendra, Ms.K.Sravani, Research Associate (Extn.) Ms.Y.Swarupa, Research associate (Ento.), Dr.P.Avani, Research associate (Hort.), farmers and RHWEP Students participated in this programme.
On 12.02.2020, Dr.P.Lalitha Kameswari, Senior Scientist & Head, Dr. S. Adarsha Scientist (Ento.) and Sri P.Rajasekhar Scientist (SS&AC), KVK, Pandirimmamidi conducted field day on ‘Demonstration of Redgram Variety LRG-52’ at Gandikota village of Devipatnam mandal. The expected yield from the demonstration plot is about 3.2 Q/acre.

On 01.02.2020, Dr.B. Srinivasulu, Director of Extension along with scientific staff of KVK, Venkataramannagudem went to Koyanagemple for visiting tribal farmer IFS model which was supported by KVK and also visited some vegetable plots and interacted with farmers and scientific staff. Suggested to implement as many programs in one village for developing as a model cluster and that could be more visible to others.

Visits

As a part of DAESI programme, 40 input dealers of Nellore, visited CRS, Petlur on 07.02.2020. Dr.M.G.Bala Hussaini, Senior Scientist (Hort.) and Dr.M.Kavitha, Senior Scientist (Pl. Path.) explained about different crops, ongoing projects and briefed about the nursery activities to the dealers.

Forty five bank officials from NABARD, Tamilnadu state visited KVK, Venkataramannagudem on 05.02.2020. In this visit Dr.V.Deepthi, Scientist (Agricultural Extension), Sri G.Shali Raju (Ento.) explained about KVK mandate, demonstration units and also briefed about organic vegetable cultivation and nursery activities.

On 12.02.2019, more than 20 farmers from Cumbum village supported by Department of Horticulture visited KVK, Venkataraman nagudem. In this visit farmers got exposed to KVK demonstration units like azolla unit, Vermicompost unit, poultry shed, sheep shed, improved vegetable plots, nursery, apiary unit etc. Dr. U. Shiva Kumar, Research Associate, (SS&AC) coordinated the programme.

Farmers from Bijapur, Chhattisgarh state visited KVK, Venkataramannagudem on 14.02.2020. Dr.V.Deepthi, Scientist (Agricultural Extension) explained about KVK mandate, demonstration units and also briefed about organic vegetable cultivation. More than 40 farmers have participated.

Meetings

Dr.N.B.V.Chalapathi Rao, Principal Scientist (Ento.), HRS, Ambajipeta participated in one day workshop cum farmers conclave conducted by Coconut Development Board, Kochi and Department of Agriculture & farmers welfare, GOI, New Delhi at TNAU, Coimbatore, Tamilnadu on 03.02.2020.
On 04.02.2020, KVK, Scientists of Dr.YSRHU attended the QRT presentation and participated in Exhibition at KVK, Karakambadi. Dr.B.Govinda Rajulu, Principal Scientist (Pl. Path.) & Head, KVK, Periyavaram clarified the house regarding the economics of acid lime crop. Scientists exhibited specimens in the stall and explained the visitors regarding management practices of turmeric, tomato, onion, chili and colocasia.

**HRD**

Dr.K Uma Maheswari, Senior Scientist (Hort.), CRS, Petlur Participated in 21 days training programme at PGRC, PJTSAU, Rajendranagar, Hyderabad from 22.01.2020 to 11.02.2020 on “Achieving food and nutritional security through nutrition sensitive agriculture in the context of changing climate” under CAFT.

Dr.A Devivaraprasad Reddy, Scientist (Fishery Science), KVK, Venkataramannagudem has successfully completed CAFT Training Program entitled on “Enhancement of Aquaculture and Water Productivity through Engineering Interventions in Biofloc Technology, RAS and Aquaponics” for 21 days (16.01.2020 to 05.02.2020) at ICAR-Central Institute of Fisheries Education, Mumbai.

**Phone-in-Live Programmes**


**Publications**