



Dr. YSRHU

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Dr. Y.S.R. HORTICULTURAL UNIVERSITY
Venkataramannagudem, West Godavari District - 534 101, Andhra Pradesh

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India, the second largest producer of fruits, vegetables and flowers in the world holds a respectable position in the world horticulture. Production base of horticultural crops has been expanding and the area under horticulture, crops has increased from 13.43m.ha in 1991-92 to 23.69 m.ha in 2012-13 while the production from 97.83 m.MT to 268.8m MT. Horticulture has emerged as a core sector in agriculture. Horticulture crops occupying only 9% of the cropped area but contribute over 30.4% of the gross agricultural output in the country.

In Andhra Pradesh, the horticultural crops grown across the 9 agroclimatic zones cover 13% of the gross area in the state and contribute about 4% of the state GDP. The state ranks second in the country with an annual production of 28.91m.MT from 2.31m.ha. With diverse agro-climatic

conditions and assured irrigation facilities, Andhra Pradesh is better placed for production of horticultural crops and our state is the leading producer of spices, second in the production of fruits and fifth in vegetables. The state ranks first in the production of mango, chillies, turmeric, sweet orange and papaya. Coconut, oil palm, cashew nut are the major plantation crops. Tomato, brinjal and bhendi among vegetables and jasmine, rose, chrysanthemum, marigold and tuberose among flower crops occupying larger areas. Considerable area is also under grain spices and ginger.

Horticulture provides wider choice to farmers as these crops can be grown on wide range of soil and climatic conditions and horticulture is the best option of diversification for complimentary food, health care and livelihood security. Fruits and vegetables, the major source of many health promoting phytochemicals are often referred to as protective foods and assume great importance in ensuring nutritional security. After all, healthier diets can improve learning capacity of children as well as working capacity of adults.

Several technological innovations including plant canopy architecture management, availability of true to type planting material, INM/IPM/IDM technologies, protected/ off-season production, precision farming, water management technologies, post harvest technology and processing etc., have contributed to horticultural production and productivity. With rapid developments in the area of biotechnology and food processing, new avenues of entrepreneurship are available to farmers.

Low productivity, post harvest losses, weak market linkage and the changing climate are the major constraints of horticultural production. However, dwindling natural resources coupled with changing climate leading to enhanced biotic and abiotic stresses and market competition are the major challenges which could be converted to opportunities for suitable production. To meet the growing challenges and to overcome the constraints research has to be intensified in the area of hybrid technology, biotechnology, mechanization, precision farming, nano technology for efficient input use. Efforts are also needed to ensure timely availability of quality seed/ planting material to the farmer, the end user of the technology. Export promotion and import substitution/restriction are the pillars to sustain in the era of globalization, wherein quality and cost competitiveness assume greater significance.

The future horticulture therefore requires concerted efforts to improve orchard use efficiency techniques through hi-tech interventions like micro-irrigation, fertigation, high density planting, canopy management, protected cultivation, off season production of vegetables, post harvest technology besides adoption of technologies to solve perennial problems like citrus decline, eriophyid mite in coconut, fruit borer in mango, wilt in guava etc. The major emphasis should be on market innovation to bring in the role of cooperative societies to help the farmers not only in farm technologies but also in producing for international market. At this juncture it is very important for us to develop a clear agenda of research to make full use of the new developments to our advantage. There is need to stimulate demand for appropriate processed foods. Value addition and by-product utilization, creating increased job opportunities in rural areas, producing surplus for export and enabling the famers to reap the benefits of modern technology would be the key area for success of horticulture industry.

(B.M.C. Reddy)
Vice-Chancellor



NEWS & EVENTS

Release of Dr.YSRHU Calendar 2014 and Diary in the Chamber of Hon'ble Vice Chancellor, Dr.YSRHU, Venkataramannagudem on 02-01-2014 by Dr. B.M.C. Reddy, Hon'ble Vice Chancellor, Dr.Y.S.R.Horticultural University along with University Officers.



On 26-01-2014 Republic Day celebrations were conducted at Dr.YSRHU, Admn. Office, Venkataramannagudem, Dr.B.Srinivasulu, Registrar has hoisted the National Flag. University Officers and staff attended the republic day celebrations.



International Women's Day was celebrated with high spirit on **08-03-2014**. Competitions in Sports & Games, Cultural events were conducted for all Women Staff members of Dr.YSRHU, Admn. Office, Venkataramannagudem and prizes were distributed to the winners.



Dr.YSRHU "**Udyana Panchagam**" was released by the Sri P.K. Mohanty, Chief Secretary to Government of Andhra Pradesh, on the eve of Ugadi on 31-03-2014 at Ravindra Bharathi, Hyderabad.



e-SHORT – A three way programme between farmers, scientists and extension workers designed by Scientists of FRS, Sanga Reddy was launched on 20-03-2014 at Citrus Research Station, Tirupati. The farmers will directly get solutions to their cultivation problems in horticultural crops immediately through the mediation of Horticulture officers. In this event 15 horticulture officers of Rayalaseema region were trained and provided with tablet PC's.

EDUCATION

College of Horticulture, Mojerla

Republic day was celebrated on January 26th in the college premises by hoisting National Flag by the Associate Dean.



NSS Special Camp has been conducted with 45 volunteers of Final year B.Sc (Hons) Horticulture on the theme "Youth for Rural Reconstruction", by NSS Unit, College of Horticulture, Mojerla at Peddamandadi Village, Peddamandadi mandal, Mahabubnagar Dist. from 11-02-2014 to 17-02-2014 for the year 2013-14.



NSS Volunteers administering the deworming medicine to calves as a part of Animal Health care camp

College students participated in **4th Inter Collegiate Sports, Games and Cultural Meet** conducted at HC & RI, Anantharajpet from 5th March to 9th March 2014. Outstanding students who participated in different sports and cultural events were selected for participating in National level competitions by representing Dr.YSRHU.



G. Ramakrishna, 1st year student won the first prize in high jump (men) during 4th Inter Collegiate Sports, Games & Cultural Meet held at HCRI, Anantharajupet

Winners of volley ball team for women

G. Santhosh, 3rd year student won first prize in spot painting during 4th Inter Collegiate Sports, Games & Cultural Meet held at HCRI, Anantharajupet

Voter's awareness camp was organized in the college by Eenadu Television on 27th March 2014. The Circle inspector, Sub inspector of Police, Peddamandadi, reporters of Eenadu, Associate Dean, COH, Mojerla, all the staff members and students were participated in this camp. All the dignitaries on the Dias, teaching staff, non teaching staff, out sourcing staff and students shared their views about the value of voting and the proper utilization of their vote in the process of electing the suitable leader for ruling the village, district, state and also the nation.



Circle Inspector of Police, Kothakota, delivering the message on Voter's awareness campaign by ETV₂, COH, Mojerla



Student delivering the message on voter's awareness campaign at COH, Mojerla





Horticultural College & Research Institute, Anantharajupet

Dr. P. Babu Ratan, Associate Dean, HC&RI, Anantharajupeta addressing the NSS volunteers in the inaugural session of the NSS special camp on 19-03-2014 at Punnativaripalli (vil) of obulavaipalli (M). NSS volunteers singing NSS song on the occasion.



A rally was organized on 20-3-2014 in Punnativaripalli village, to create awareness on Anti-Child labour. Slogans were raised by students to abolish child labour and requested

parents to send all the children below age group of 14 years to school compulsorily, as it is their right to have primary education

National Agricultural Universities sports meet-2014 was held at Assam Agricultural University, Jorhat. Participation of students from HCRI Anantharaju peta in



National Agricultural Universities sports meet from 24-28 March 2014 at Jhorat, Assam Agricultural University.

NSS programme (Special camp) was organized from 19th to 25th March 2014 at Punnativaripalli (v) of Obulavaipalli mandal, by NSS units 1 and 2 of HCRI, Anantharajupet



Dr. K. Vanajalatha, DSA, Dr. YSRHU addressed the NSS volunteers on the valedictory session of the NSS special camp on 25-03-2014 at Punnativaripalli (v) of Obulavaipalli (M) and planted avenue plant in the premises of Govt. Polytechnic College



Participation of NSS volunteers in Veterinary camp and de worming programme with Dr. D. Sudeesh, VAS, Pullampet on 24-03-2014 as a part of NSS special camp.

A rally was organized on 24-3-2014 in Punnativari palli village, to create awareness on Female foeticide. Slogans raised by

students to abolish female foeticide as it is a crime by law and girl children are protected by law for the progress of the nation.



Horticultural College & Research Institute, Venkataramannagudem



Horticultural College and Research Institute, Venkataramannagudem has celebrated Republic Day on 26th January, 2014. Associate Dean Dr.A.Sujatha, all teaching and non-teaching staff and students have participated in the programme.

4th Inter Collegiate Sports Meet

Students of HC&RI, VR Gudem have participated in IV Intercollegiate Sports, Games, Cultural and Literary competitions from 5th to 8th February, 2014 held at HC&RI, Anantharajupet. The **OVERALL CHAMPIONSHIP** was bagged by HC & RI, Venkataramannagudem.



All India Inter University Youth Festival



Students of the four colleges of the University have participated in 14th All India Inter University Youth Festival organized by ICAR at UAS, Bangalore from 13th to 18th February, 2014.

All India Inter Agricultural University Sports & Games Meet

About 11 students of Horticultural College and Research Institute, Venkataramannagudem have participated in 15th All India Inter Agricultural Universities Sports & Games Meet, 2013-14 held at Assam



Agricultural University, Jorhat from 24th to 28th March, 2014. It is happy to inform that, for the first time in the University, students have won five prestigious medals in the Sports & Games Meet at national level. In high jump, A. Rajyalakshmi (VH/11-72) has won Bronze medal and in 4X100 m relay, M. Lavanya (VHM/12-22), P.J.S. Lakshmi Durga (VH/10-29), B. Nagalakshmi (VH/10-33) and G. Sreenija (VH/10-65) have won bronze medals.

National Voters' Day and National Science Day



Celebrated the National Voters' Day on 25th January, 2014 and National Science Day on 28th February, 2014 by conducting various competitions like elocution, essay writing, debate,





painting etc. On Science Day, science exhibition was organized and students displayed various models depicting innovative technologies related to horticulture and agriculture.

International Women's Day

On the occasion of International Women's Day on 8th March, 2014, HC&RI, VRgudem has conducted competitions for the women (teaching, non-teaching and labour) of the college and distributed prizes to the winners.



NSS Special Camp



NSS Units of HC&RI, VRgudem has organized NSS Special Camps in the adopted villages namely Telikicherla and Koonavaram. Around 100 NSS volunteers have participated in the programme for one week from 14-03-2014 to 20-03-2014. Students took part actively in various activities.

College of Horticulture, Rajendranagar

Republic day was celebrated on January 26th in the college premises by hoisting National Flag by the Associate Dean.



The students of College of Horticulture, Rajendra Nagar have participated in the XV All India Inter Agricultural Sports Meet, Assam Agricultural University, Jorhat during the last week of March 2014.

Dr.Ch.Raja Goud, Asst.Professor and Dr.Purnima Mishra, Technical Officer attended the tour as Team Managers from 24th to 28th March, 2014.

SKPP Horticulture Polytechnic, Ramachandrapuram

NSS Special Camp was conducted at velangi (V) of Karapa Mandal from 04.01.2014 to 10.01.2014

Students of SKPP Horticultural Polytechnic-Ramachandrapuram have participated and involved in immunization programme and administered immunization drops to 1500 children on 19.01.2014 Celebrated National voter's day on 25.1.2014 by organizing a rally in Ramchandrapuram to create awareness on importance of vote and participation of youth in electoral programme.



Organized an educational tour within A.P. to the 2nd year students of Diploma in Horticulture from 21.2.2014 to 24.2.2014



Horticulture Polytechnic, Ramagirikhilla

NSS Special Camp was conducted from 5th – 11th March, 2014 at Ratnapur village, Kamanpur Mandal, Karimnagar district. 41 NSS volunteers participated in the special camp.



NSS Volunteer demonstrating the preparation of Sauce



NSS volunteer explaining the farmers about growing of summer vegetables



NSS volunteer preparing the sauce and demonstrating to the rural women

The KVK building and Farmers hostel were cleaned by the volunteers and summer vegetable seeds were sown in the KVK farm. A socio economic survey was conducted in the village on 9-3-2014.



NSS Volunteers cleaning the farmers hostel



NSS volunteers cleaning the KVK buildings



NSS Volunteers cleaning the school premises

Animal health camp was organized in which 129 cattle were immunized against foot and mouth disease, 139 sheep and goat were given medicine for deworming on 10-3-2014.



NSS vounteer immunizing a cattle for foot and mouth disease



NSS Volunteer giving a deworming medicine to goat

Horticulture Polytechnic, Kalikiri

NSS special camp was organized for 7 days from 19-02-2014 to 25-02-2014 at Moorevandlapalli village, Vayalapadu Mandal, Chittoor District.



Guest lecture was conducted for 1st and 2nd year Diploma students by Dr.V.Muni Sankaraiah, Medical Doctor, CHC, Kalikiri on Depression, Alcoholism, Smooking and attraction etc., on 20-03-2014.

Educational Tour was organized for 1st year Diploma students from 29-01-2014 to 31-01-2014. The students visited Citrus Research Station, Tirupati, HCRI, Anantharajupet, Private





Nurseries, Palamaner surrounding fields and Srin Food Park at Bangarupalem, Kuppam surrounding fields and Commercial Green house at Hosur.



Educational Tour was organized for 2nd year Diploma students on 5-2-2014 and 6-2-2014. The students visited farmers fields, cold storages, green houses and horticultural nurseries at Punganur, Madanapalli and Vayalpadu mandals on 5-2-2014. On the second day visited to Indian Institute of Horticultural Research, Bangalore.



SSPG Horticulture Polytechnic, Madakasira

NSS special camp was conducted at R. Ananthapuram from 3.3.2014 to 9.3.2014. Sri A.Ganapathi, Assistant Director of Agriculture, Madakasira is the chief guest, Sri Likesh, Gram Panchayat President, Dr. M. Ramakrishna, Principal, Sri V. Ramana, P.O, and School Head Master participated in the inaugural function. The activities like clean and green, sanitation. Tree planting, Animal health and human health camp done by the NSS volunteers and successfully completed the camp.



RESEARCH

Fruit Research Station, Sangareddy

In the studies on flowering and fruiting behavior of mango cultivars in relation to weather parameters, 100 % flowering was completed and fruit set was initiated by 10-1-14 in mango cv Banganapalli, Totapari and Mallika whereas by 20-1-14 in Suvarnakha.

A total number of 34 accessions including clones, seedling selections, and hybrids were screened for hoppers and thrips. Among them higher hopper populations were observed in Neeleshan Gujarat, Sensation and Dashehari-35. Screening of other sucking pests such as thrips revealed highest thrips population in Dashehari Local.

Studies on population dynamics of hoppers indicated peak activity of hopper population during 6th standard week i.e second week of February in mango cv Banganpalli. The peak activity of fruit fly population in mango cv Banganpalli was noticed during 20th standard week.

The major pollinating insects recorded were Paddy butterfly blue butterfly (*Danius flexipus*), Honey bees (*Apis Indica*), House fly, *Coccinella septumpunctata* and other Hymenopterans. Maximum numbers of pollinators were recorded in the middle of the tree (2-4 meter of height) during first week of February, where maximum flowering was noticed.

Among 220 mango cultivars screened against powdery mildew by using 0-5 scale. Neelum, Sensation, Karanjio, Fernandin, Karbooja, Aman, Khaja pasand, Fakirwala were recorded with zero incidence of powdery mildew disease.

Studies on mango malformation revealed nil reaction in 211 mango varieties which mainly includes Almas, Azam us samer, Bombay Peda, Bombay green, Jalal, Him Sagar, Nawab Pasand, Raja pasand, Sardar and Terpentine.

The powdery mildew disease was first noticed during last week of January (4th standard week) 2014 in mango cv Dashehari (susceptible) and Baneshan (moderately susceptible) cultivars and continued up to February last week (8th Standard week). In both the varieties the maximum PDI was observed during 2nd week of February (6th Standard week).

The severe anthracnose disease (22.5 %), powdery mildew (21 %) and malformation (23.5 %) were recorded due to unseasonal rains during February and March, 2014.

Mango Research Station, Nuzvid

Profuse flowering was noticed in almost all the varieties starting from first week of January till 2nd week of March of out which most of them failed to set as fruits.

Incidence of mango fruit borer was started in the second fortnight of February.

EXTENSION

KVK, Venkataramannagudem

A Total of 230 farmers and 70 students visited Krishi Vigyan Kendra from 7 nearby districts as exposure visits The KVK Technical Team Dr. E. Karuna Sree, Programme Coordinator, Ch. Kiran Kumar SMS (SSAC) and S. Vishala RA (Horticulture) explained about KVK activities and taken the participants around the KVK instructional farm and demonstration Units



KVK, Pandirimamidi

On 02.01.2013 Sri V.Govardhan Rao, SMS (Plant Pathology), Sri B.Bhaskar Rao, SMS (Horticulture) made diagnostic visit to forest plantation in Kalujolla VSS of Gokavaram mandal



and observed most of the plantations i.e. Rosewood, Gummadi, Chindugua species were became the species were died transplanted without removing the polythene bag around the ball of earth and because of





the this reason the lateral roots were not able to spread in all sides and were coiled and suggested the following recommendations:

1. To remove the dead plants and go for new plantation.
2. Care should be taken to remove the polythene bag around the ball of each while planting
3. Add 8Kgs of compost, 100g of single super phosphate and 50g of 3% lindare power to each pit before planting and also apply 8 Kg of compost in the basins after 2 months of planting.
4. Frequent irrigation/watering may be provided upto 2 years.

On 13.02.2014 QRT Team AICRP on Palms-Dr.T.P. Rajendran-Chairman, Dr.Hegdae-Member, Dr.R.D.Rawal-Member, Dr.H.P.Maheshwarappa- Project Coordinator, AICRP Dr.B.V.K.Bhagavan, Zonal Research Head, Coastal Zone -I visited Krishi Vigyan Kendra, Pandirimamidi. During this visit Dr.A.Srinivas, Programme Coordinator explained regarding the activities of Demonstrations, On Farm Trails, Training programmes takenup during 2013-14



GENERAL



Mr. Hauke (Germany) & Mr.P.V.Babu of B.Tech students of TNAU, Coimbatore, visited DIIP section Dr.YSRHU on 10.1.2014 for information on International Programmes along with Dr.P.Ramakrishna of M/s. Satyadeva Nursery.

Visit of Dr.M.B.N.Rao, DIIP to M/s. Srinivasa Fruit Products, Nuzvid on 4.3.2014 to get information on Guava & Mango pulp processing & Export to different countries in the form of 1kg, 2kg & 5kg tins packed in Cartons.



Dr.M.B.N.Rao, DIIP & Officer-in-charge, Campus Beautification, guiding erection of pergolas with Agro shade net for accommodating shade plants & Hanging pots and Landscaping at International Hostel during February/ March, 2014.



Dr.M.B.N.Rao, DIIP visited M/s. Chemeloids (Herbex) Factory (SSI University) on 29.3.2014 at Aswaraopeta, Khammam District to get information from Sri Subramanyam, Manager of the plant (Managing Partners, Sri Gokaraju & R. Gangaraju) on different Herbal plants crude extracts (Powders & pastes), exported to different pharmaceutical companies all over the country.



Vegetable Research Station, Rajendranagar

Dr. B.M.C.Reddy, Hon'ble Vice-Chancellor of Dr. YSRHU inspected fields of Vegetable Research Station, Rajendranagar on 7-2-2014.



Grape Research Station, Rajendranagar



Dr. B.M.C.Reddy, Hon'ble Vice-Chancellor visited the farm of Draksharathna Sri.Ch.Venkat Reddy at Kundanpally (V), Keesara (M) on 29-1-14.The scientists of Grape Research Station, Rajendranagar have accompanied.



Overall view of hailstorm affected vineyard at Yadaram (V), Shamirpet(M), Rangareddy dist.



Development of moulds on berries in hailstorm affected vineyards

Project coordinator (i/c) Dr.Prakash Patil has visited Grape Research Station, Rajendranagar reviewed the work done in horticulture, Soil Science, Entomology and Pathology and visited the experimental plots.

Horticultural Research Station, Vijayarai



Dr.J.Dilip Babu, Director of Research, Dr.YSRHU interacting with Dr. Rajendran, Team leader, QRT on AICRP (Palms) on their visit to HRS, Vijayarai



Dr.Maheswarappa Project Co-ordinator, AICRP (Palms) interacting with Oil Palm farmers on their field visit near Vijayarai village along with Dr.B.Prasanna Kumar, PS (H)& Head i/c, HRS, Vijayarai



Dr. Maheswarappa Project Co-ordinator, AICRP (Palms), Dr. Hegde, (Former Director, DOR) and other QRT member visited the new experimental plot of new varietal trial in Cocoa under Oil Palm garden at HRS, Vijayarai



Sri. M.Rajanaik, Scientist (H), AICRP (Oil Palm) Scheme showing the layout of the experimental plots to Dr. Maheswarappa Project Co-ordinator, AICRP (Palms), Dr. Rajendran, Team leader and Dr. Hegde, (Former Director, DOR) and other QRT member on their visit to HRS, Vijayarai

PHTRS, Venkataramannagudem

Dr. B. Prasanna Kumar, Principal Scientist (Hort)& Head, PHTRS, VRgudem explained the various aspects of processing of cashew apple fruit syrup and RTS beverage preparation to the farmers of the Krishna district on 20-3-





2014. He explained about various activities going on at integrated pack house cum storage unit.



Fruit Research Station, Sangareddy

Director of Research and Principal scientist (H) & Head receiving nursery accreditation and three star rating for nursery at Fruit research station, Sangareddy from Commissioner of Horticulture, Govt. of Andhra Pradesh, Hyderabad.



One day awareness cum training programme on “Nursery Accreditation and Rating procedure and orchard management” organized by NHB at Fruit Research Station, Sangareddy on 22-02-14.

e-SHORT training programme to Horticulture officers and distribution of hand held devices at FRS, Sangareddy on 22-02-2014

Horticultural Research Station, Mahanandi

NCIPM – Synthesis, validation and promotion of IPM in chilli – Dr.Narayana Bhat, Principal Scientist, NCIPM, New Delhi visited HRS, Mahanandi and Regadaguduru. Observed Powdery mildew, Fruit rot in Chilli fields and discussed with selected farmers under NCIPM project on 7.2.2014 and 8.2.2014 along with Dr.Ch.Ruth, Scientist (PI. Path.)

HUMAN RESOURCE DEVELOPMENT

PROGRAMMES CONDUCTED

Citrus Research Station, Tirupati

Dr. L. Mukunda Lakshmi, Scientist (Hort), Smt. T. Nagalakshmi, Scientist (Path) and Smt.G. Sarada, Scientist (Ento) have conducted diagnostic survey in Tenali and Chundur mandals of Guntur district on 5th and 6th February, 2014 and surveyed acid lime gardens. In most of the gardens severe scale (>60%) infestation was noticed. Leaf miner (15-20%), mangu (25-30%) infestations were recorded. Diseases like felt, gummosis, canker and algal infection on stem are in a very severe stage. Micronutrient deficiencies are less compared to other districts. Suitable remedial measures to all these problems were suggested to the farmers.

Fruit Research Station, Sangareddy

One day awareness cum training programme for nursery men



on “Nursery Accreditation and Rating procedure and orchard management” was organized by NHB at Fruit Research Station, Sangareddy on 22.02.2014.

e-SHORT training programme to Horticulture officers of Telangana region was organized at Fruit Research Station, Sangareddy. The commissioner of horticulture Sri. Papi Reddy has distributed hand held devices to horticulture officers on 22.02.2014.



e-SHORT training programme to Horticulture officers and distribution of hand held devices at HRS, Kovvur on 13-03-2014



e-SHORT training programme to Horticulture officers and distribution of hand held devices at CRS, Tirupathi on 20-03-2014



Brain storming session on Ginger at Ranjole, Zaheerabad on 15-03-14

Horticultural Research Station, Mahanandi

Dr.Ch.Ruth, Scientist (PI. Path.) conducted and participated in the training programme on ‘Ajowan’ crop in Molagavalli village, Alur Mandal organized by scientists of Lam farm, Guntur, Dr.Naram Naidu, Principal Scientist (Horti.), Dr.Surya Kumari, Principal Scientist (Hort.) and Dr.Giridhar, Scientist (Hort.), Alur Agri. Officer, Molagavalli Surpunch, Adarsa Rythulu and 150 farmers participated on 5.3.2014.

Cashew Research Station, Bapatla

District Level Seminar on “Advances in Cashew Production Technology” was organized by Sri K.Uma Maheswara Rao, Scientist (Hort.) & Head at NGO Home, Narsipatnam, Visakhapatnam district on 11.3.2014 with the association of ITDA, Paderu sponsored by DCCD, Cochin for the benefit of cashew farmers in the tribal area covering the farmers from the Koyyuru, Kasimkota, Anakapalli and Narsipatnam mandal. Around 200 farmers participating and clarified their doubts.

Mango Research Station, Nuzvid

Smt. D.Aparna, Scientist (Hort.) organized a one day training programme on Mango at Horticulture Training Centre, Nuzvid under RKVY on 7-2-2014.

Horticultural Research Station, Lam

One farmers training programme under DASD, Calicut on chilli production technology and two farmers training programmes under NHM on spices were organized.



On 27-2-2014 at Punuru village of Yaddanapudi mandal in Prakasam district on Chilli production technology.



On 1-3-2014 at Chilumuru of Kollipara mandal in Guntur district on Turmeric production technology.





On 5-3-2014 at Molagavalli of Alur mandal in Kurnool district on Ajowan production technology



KVK, Venkataramannagudem



Conducted Scientific Advisory Committee (SAC) Meeting at Krishi Vigyan Kendra, Venkataramannagudem on 09.01.2014. In this programme Dr.E.Karunasree, Programme Co-

ordinator presented the KVK workdone report, Sri Ch.Kiran Kumar, SMS(SSAC) and Kum.S.Vishala, RA(Hort.) presented the work done 2013-14. In this programme Dr.G.Srihari, Director of Extension, Dr.Rajendra Reddy, Senior Scientist, ZPD, Hyderad and District level and Department officials, Progressive farmers were participated and provided suggestions for proposing effective action plan for the year 2014-15.

Conducted two six days training programmes on Friends of Coconut Tree (FoCT) from 20.01.2014 to 25.01.2014 (6 days) & 24th to 29th March, 2013 in collaboration with the Coconut Development Board (CDB), Kochi. Dr.E.Karunasree, Programme Co-ordinator, Kum.S.Vishala, RA (Hort.) conducted the programmes at Krishi Vigyan Kendra, Venkataramannagudem for 40 Coconut Climbers. The participants were provided with a climbing device, one lakh insurance coverage for one year and a certificate after successful completion of the programme. The participants found the Coconut climbing device is useful in climbing the trees with ease to harvest the coconuts. Coconut Olympics were also conducted to the participants and awarded prizes to the first three winners. In this valedictory programme Dr.G.Srihari, Director of Extension, Dr. M. Lakshminarayana Reddy, Dean of PG Studies, Dr. K. Vanajalatha, Dean of Student Affairs, Dr.YSRHU were participated.



Dr. E. Karunasree, Programme Co-ordinator, Kum. S.Vishala, RA(Hort.) Krishi Vigyan Kendra,



Venkataramannagudem conducted training programme on "Seasonal Management of Mango Orchards" at Telikicherla village on 03.02.2014. In this programme Dr.Rajasekhar, Senior Scientist (Hort.) & Head and P.Sunitha, Scientist(Ento.) participated as Resource person.

Conducted one day training programme on Cocoa Cultivation, Pest & Disease management at Kalavalapalli village of Mandal Chagallu by KVK Scientists on 05.02.2014.



Conducted training programme on "Oil palm cultivation" at Telikicherla village on 22nd February, 2014. In this programme Dr. Prasad Principal Scientist(Extension) DOPR, Pedavegi, Dr.E.Karunasree, Programme Co-ordinator, Kum. S.Vishala, RA(Hort.) Krishi Vigyan Kendra, Venkataramannagudem interacted with the farmers in Participatory mode and identified the problems in Oil palm cultivation in the village and suggested the nutrient management aspects.



Conducted vocational training programme on "Mushroom cultivation" at KVK, Venkataramannagudem to Rural Youth (Male & Female) from 24.02.2014 to 01.03.2014. by Dr.E.Karunasree, Programme Co-ordinator, Kum. S.Vishala, RA(Hort.) Krishi Vigyan Kendra, Venkataramannagudem



KVK, Pandirimamidi

On 04.02.2014 farmers meeting and interaction programme was conducted at Gangavaram village to implement Tribal Sub Plan programme on Maize seed production in collaboration with Seed Research and Technology Centre (SRTC), ANGRAU and APRRI, Maruteru. In this programme Dr.M.V.S. Naidu, Director Seed research and technology centre, Dr.Vishnuvardhan Reddy, Director, APRRI, Maruteru, Dr.Venugopal Rao, ADR, Chintapalli, Dr.Swarnalatha Sr. Scientist, SRTC, ANGRAU, Sri G.Seetaramaraju, Project Director, ATMA, Kakinada Dr.A.Srinivas, Programme Coordinator KVK, Pandirimamidi and farmers were participated. In this programme orientation regarding the programme implementation details and identification of beneficiaries was taken up.



On 01.03.14 Off campus training programme was conducted on summer vegetable cultivation at Kanupuru village of Korukonda mandal in collaboration with ATMA, East Godavari District. Sri B.Bhaskar Rao, SMS(Horti.) and Dr.A.Srinivas, Programme Coordinator oriented regarding the importance of summer vegetable cultivation and management practices to be followed. In this programme BTM-ATMA, Korukonda, SMS-ATMA, Korukonda and farmers were participated.

PROGRAMMES PARTICIPATED

Vegetable Research Station, Rajendranagar

Dr. Hameedunissa Begum, Principal Scientist (Hort.), attended one day National seminar on "Developing Vegetable varieties for round the year cultivation" organized by NRI – Educational Society and NRI Agri Tech Pvt. Ltd. At Hotel Grand Nagarjuna, Guntur on 11-01-2014.





Dr. Hameedunissa Begum, Principal Scientist (Hort.), attended a 3-day International Conference 2nd International Conference on Agricultural and Horticultural Sciences from 3-2-2014 to 5-2-2014 at Radissan Bluy Plaza Hotel, Hyderabad organized by OMICS Group Conferences, Los Angeles, USA, Presented oral paper on “Morphological and molecular characterization of the female and male genotypes of spine gourd (*Momodica dioica* Roxb.) using RAPDs A coauthor in second oral presentation “Morphological characterization of chrysanthemum genotypes based on qualitative traits”

Dr. R.V.S.K. Reddy, Principal Scientist (Hort.) attended meeting on “Supply vegetable hybrids seeds through SHM to farmers of A.P” by Dept. of Horticulture on 20-3-2014 along with officers of APSSDC, APSSCA and Dept. of Agriculture at Commissionerate of Horticulture, Hyderabad.

Citrus Research Station, Tirupati

Dr. K.Gopal, Principal Scientist (CP), Dr. K.T.V. Ramana, Principal Scientist (Hort), Dr. L. Mukunda Lakshmi, Scientist (Hort), Smt. T. Nagalakshmi, Scientist (Path) and Smt.G. Sarada, Scientist (Ento) have attended Annual workshop (19th Group Discussion) from 22nd-25th, January at Dr. BSKKV, Dapoli and presented the technical programme, work done report of 2012-13.

Horticultural Research Station, Vijayarai

Dr. B. Prasanna Kumar, Principal Scientist (Hort)& Head, PHTRS, VRgudem along with Mr. Rajanaik Scientist (Horticulture), Dr.J.Dilip Babu, Director of Research and Dr. B.V.K. Bhagavan, Zonal Head, HRS Kovvuru attended to the Review work of Horticultural Research Station, Vijayarai on Oil Palm by the QRT team on All India Co-ordinate Research Project on (Palms) convened by Dr. Maheswarappa, Project Co-ordinator, CPCRI, Kasargod and along with other members who visited on 11-2-2014 & 12-2-2014.

Horticultural Research Station, Darsi

S.Narasimha Rao, Scientist (Pl. Path) participated 21 days training programme on “Plant disease management approaches using microbial and plant genomic resources” from 24th January, 2014 to 13th February, 2014 at Department of Biotechnology, UAS, Dharwad, Karnataka.

PHTRS, Venkataramannagudem

Dr. B. Prasanna Kumar, Principal Scientist (Hort)& Head PHTRS,VRgudem participated on behalf-of Nodal officer, Dr.YSRHU for NISAGNET programme on the “**Appraisal cum Data Validation workshop for the Nodal Officers of NISAGNET**” in India conducted by the ICAR, New Delhi at **UAS, Bangalore from 9-1-2014 to 10-1-14.**

Dr. B. Prasanna Kumar, Principal Scientist (Hort)& Head, PHTRS, VRgudem explained the various aspects of Integrated Pack house cum cold storage unit its functioning

and importance in the horticulture to the farmers of the Krishna and Guntur districts on their exposure visit organized by DAATCC, Krishna and Guntur district of ANGRAU, Hyderabad on 20-3-2014.

Horticultural Research Station, Lam

Dr. L.Naram Naidu, Principal Scientist(Hort) attended training programme on “Scientific report writing and presentation” at NAARM, Hyderabad on 6-1-2014 to 9-1-2014

KVK, Venkataramannagudem

Dr.E.Karunasree, Programme Co-ordinator, Krishi Vigyan Kendra,Venkataramannagudem participated in Millet pest from 25th – 26th January, 2014 at Guntur organized by ANGRAU & Department of Agriculture.

Dr.E.Karunasree, Programme Co-ordinator, Krishi Vigyan Kendra,Venkataramannagudem participated in “QRT Reviewing of ACRIP on palms at Directorate of Oil palm Research, Pedavegi on 12.02.2014 and learned about various convergence programmes at KVK, for large scale adoption of the proven technologies from AICRP’s on Coconut, Oil palm and Palmerah.

KVK, Pandirimamidi

Sri V.Govardhan Rao, SMS (Plant Pathology) participated in Agrifiesta 2014 organized by KAU, Mannuty during 28th February to 06th March, 2014. Exhibition stall has been displayed on technologies developed by Dr.YSRHU.



LECTURES DELIVERED

Horticultural Research Station, Pandirimamidi

Dr.K.Rajendra Prasad, Scientist (Hort.) delivered lectures on “Cashew production technology” on 4.1.2014 at KVK, Kalvacharla

“Pest and disease control during flowering in mango” on 24.1.2014 at Kanupuru, Korukonda mandal and at Yarrampalem, Gokavaram mandal.

“Production technology of summer vegetables” on 30.1.2014 at Madhurapudi, Korukonda mandal.

Horticultural Research Station, Lam

Dr.C.Sarada, Senior Scientist(Hort) delivered lecture on water management in chillies on 21-2-2014 during the training programme on “Efficient water management for enhancing crop productivity” organized by APWSIP – B5 component – Adoptive research at RARS, Lam.

Mango Research Station, Nuzvid

Smt. D.Aparna, Scientist (Hort.) gave lecture on “IPM practices to be followed during flowering, fruit setting stages





against major pests and diseases of mango” at Kalagararamachandrapuram and Ramannagudem, Vissannapeta mandal on 9-1-2014.

Floricultural Research Station, Rajendranagar


Dr. P.Lalitha Kameswari, Scientist(Hort) acted as a resource person for an interactive meeting on “Entrepreneurship cum marketing of flori – products” conducted by Department of Horticulture on 29th January, 2014 at Food and Agri Business school, Chevella.

PERSONNEL

HONOURS & AWARDS

Horticultural Research Station, Pandirimamidi

Er. P.C. Vengaiyah, Scientist (FST) has been appointed as member of Board of Studies for Food Technology by Adikavi Nannaya University, Rajahmundry (AKNU).

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