MoU

Dr. Y.S.R. Horticultural University, Venkataramannagudem entered into a Memorandum of Understanding (MoU) with M/s. Ideabytes Software India Pvt. Ltd., Hyderabad on 07.09.2019 for the benefit of farmers in Horticulture using Artificial Intelligence (AI).

Vanamahotsavam

Vanamahotsavam, a tree planting programme was conducted at CoH, Venkataramannagudem on 08.09.2019. Sri Chiranjiv Choudhary, IFS, Vice-Chancellor & Ex-officio Secretary to Govt. of A.P along with university officers and Associate Dean along with NSS Programme Officers, teaching and non-teaching staff and students have planted *Michelia champaca* saplings in the play ground. Dr. K. Uma Jyothi, Associate Dean coordinated the programme.

Interface Meeting on ‘FPO-Exporters of Banana’

Sri Chiranjiv Choudhary, IFS, Vice-Chancellor & Commissioner of Horticulture attended interface meeting on ‘FPO-Exporters of Banana’ as chief guest on 11.09.2019 and addressed the stakeholders to follow good agricultural practices for increased productivity and quality. Dr. R.V.S.K. Reddy, Director of Research, Dr. K. Ravindra Kumar, Scientist (Hort.), Dr. YSRHU, officers of Department of Horticulture, exporters viz., M/s. Desai Fruits Pvt. Ltd, Ms. INI Farms, Principal Scientist (Hort.), NRC on Banana, Trichy, farmers from FPOs have attended and participated in the interface meeting about the measures to be taken up to increase the exports of banana from Andhra Pradesh.
**T & V Workshop**

On 13.09.2019, Dr. YSRHU in collaboration with Department of Horticulture organised Bi-monthly “Training and Visit (T & V) work shop on seasonal and present horticultural crops condition” at KVK, Venkataramannagudem. Dr. B. Srinivasulu, Director of Extension welcomed the scientists and Department officials. Horticulture Department officials presented weather report along with crop conditions in respective districts. Later experts from university presented their suggestions and recommendations for better out put of the crop. In this program Dr. R. V.S.K. Reddy, Director of Research presented the topic on “Vegetable cultivation in Rabi” covering selection of best variety, importance of nursery, improved practices in vegetable cultivation for better yield, IPM and IDM practices in vegetables, major and minor nutritional problems and also taught about major physiological disorders of vegetables. Later Dr. N.B.V. Chalapathi Rao, Principal Scientist (Ento.), HRS, Ambajipeta explained about the management of Rugose Spiralling whitefly in plantation crops. Dr. K. Ravindra Kumar, Sr.Scientist (Hort.) explained about export oriented banana production, Dr. K. Giridhar, Sr.Scientist (Hort.) taught about “Cultivation of turmeric and grain spices”. The Zonal Research Heads, Dr. B.V.K. Bhagwan, Zonal Research Head, Coastal Zone- I, Dr. N. Hari Prasad Rao, Zonal Research Head, Coastal Zone- II, Dr. K.T. Venkata Ramana, Zonal Research Head, Rayalaseema Zone presented crop specific recommendations. Dr. B. Govindarajulu, Principal Scientist & Head (Pl. Path.) KVK, Periyavaram, Dr. E. Karuna Sree, Principal Scientist & Head, KVK, Venkataramannagudem, Dr.S.Adarsha, Scientist (Ento.), KVK, Pandirimamidi, Sri. G. Sandeep Naik, Scientist (Pl. Path.) & Head, KVK, Vonipenta explained about the respective KVK programs and also presented the local crop conditions and problems.

**Education**

**RHWEP Activities**

On 06.09.2019, KVK, Pandirimamidi conducted vocational training programme to the RHWEP students on 'Production Technology of Vermicompost'. Types of earthworms, vermiculture, different methods of vermicomposting, preparation of vermiwash etc., were discussed with students and explained about the role and importance of vermicompost in sustainable organic farming. Sri P. Raja Sekhar, Scientist (SS&AC) coordinated the programme.

From 04.09.2019 to 09.09.2019, RHWEP students allotted to KVK, Pandirimamidi conducted PRA techniques viz., Village map and Venn diagram of Irlapalli village under the guidance of Dr. S.Adarsha, Scientist (Ento.), KVK, Pandirimamidi. The available resources of the village and their utilisation were depicted by the RHWEP students.
RHWEP students allotted to HRS, Anantharajupeta involved in various field operations at HRS, Anantharajpeta and demonstrated step wise preparation of Neemastra at Rachepalli for the management of different pests on 06.09.2019.

RHWEP students allotted to KVK, Periyavaram conducted PRA Survey on 4th and 5th Sept, 2019, and method demonstration on preparation of mixed fruit jam and tutti-fruti to farm women of Tippavarappadu and Ammapalem villages on 12th and 15th Sept, 2019 respectively. Ms. S.M.Sailaja, Research Associate (Hort.) coordinated the programme.

On 06.09.2019, vocational training programs were conducted to 18 RHWEP students allotted to KVK, Vonipenta on “Value addition of minor millets” and “Mushroom production” at KVK–Utukur and “Pest and disease management in vegetable crops” at RHTI –Utukur. Dr. K. Ankaiah Kumar, Programme Coordinator, KVK–Utukur explained the importance and production of mushrooms and showed spawn production unit to RHWEP students and Dr.Sunil Kumar, Scientist, (Ento.), ARS, Utukur explained about pest and disease management in vegetable crops. Dr. V. Yugandhar, Research Associate (Hort.), KVK, Vonipenta has coordinated the programs.

Birthday Celebration of Dr.Sarvepalli Radhakrishnan

Birth anniversary of Dr.Sarvepalli Radhakrishnan was celebrated on 05.09.2019 at College of Horticulture, Venkataramannagudem. Dr.K.Uma Jyothi, Associate Dean, Teaching and Non-teaching staff and students have attended the programme.

Scientists of HRS, Anantharajupeta observed moderate to severe papaya leaf curl and ring spot virus in and around Rly. Kodur mandal and suggested to spray acephate 1.5 g/l + 2.5 ml neem oil and urea @ 10 g/l + zinc sulphate @ 1.5 g/l + boron @ 1.0 g/l at monthly interval upto 8th month after planting.
**Jal Shakti Abhiyan**

KVK, Venkataramannagudem, Dr.YSRHU in association with ICAR-Indian Institute of Oil palm Research (IIOPR), Pedavegi conducted Jal Shakti Abhiyan on 03.09.2019. Sri Kothari Abbaya Chowdary, Hon’ble MLA, Denduluru attended as Chief Guest, Prof. Kannabiran, Director, IIT, Chittoor, Dr. R.K. Mathur, Director, IIOPR, Pedavegi, Dr. B. Srinivasulu, Director of Extension, Dr. R.V.S.K. Reddy, Director of Research, Dr. A. Sujatha, Dean of Student Affairs as guests of honour. PD, DWMA, DD, Ground water, PD, APMIP, DD Horticulture, AD, Horticulture, JD, Animal Husbandry, PD, ATMA, ADA ZBNF as guests and scientists of Dr. YSRHU, ICAR-IIOPR, school children and farmers have participated. Conducted rally for sensitization on water conservation. Exhibition stalls were also arranged by 18 various departments and firms on water conservation technologies and water harvesting models. Pledge was taken on “Jal Shakti Abhiyan - Water conservation” by all the participants and released three publications and two mobile applications on “Water saving methods in various crops”. In connection with JSA, competitions on the theme of “Water harvesting and conservation”, Essay writing, Elocution, Slogan Writing and Water Harvesting models were conducted to students. Experts enlightened on water management in field and Horticultural crops followed by Farmers-scientist interaction. Prizes distributed to the winning students and staff. Sri Kothari Abbaya Chowdary, Hon’ble MLA, Denduluru has mentioned about the importance of water harvesting methods and conservation in view of the depletion of water especially in the Pedavegi mandal. He also requested all the participants for having more awareness and to use drip irrigation to all the crops wherever it is possible and also stressed about the water wastage in the fields.

On 03.09.2019, KVK, Vonipenta exhibited a stall on water harvesting methods, models on water conservation and water conservation measures to be followed in different crops at Chinnamandem village & mandal of YSR Kadapa dist. Sri. Praveen Aditya, IAS, Assistant secretary participated as chief guest and addressed the gathering on importance of water conservation for future generations. G. Sandeep Naik, Scientist (Pl. Path.) & Head and Dr V. Yugandhar, Research Associate (Hort.) have participated in the programme.

**Dr.YSRHU – SERP FPOs Trainings under MoU**

Dr. T. Naga Lakshmi, Scientist (Pl. Path.), HRS, Anantharajupeta attended a training program as resource person on ‘Production and Protection Technology of Mango’ at Yerravari palem village, Bhakrapet mandal of Chittoor district on 05.09.2019, organized by KVK, Periyavaram in collaboration with SERP FPOs Training program.
On 07.09.2019, KVK, Pandirimamidi conducted District Level training programme on ‘Chilli Production Technology’ at Chintoor in collaboration with APRIGP & SERP. Dr.A.Rajani, Scientist (Hort.), HRS, Lam, Guntur attended as technical resource person and addressed the farmers on ‘Chilli Production Technology, Integrated Nutrient Management and Integrated Pest Management to be followed in chilli’. Dr.S.Adarsha, Scientist (Ento.) & Sri P.Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi coordinated this programme and PHO-ITDA, Chintoor & APD- NREGS, ADH-Rajamahendravaram and 55 farmers have participated in this programme.

Three Mandal Level training programmes were conducted by KVK, Periyavaram in collaboration with SERP on ‘Production technology of tamarind’ and ‘Production technology of Tomato, Brinjal, and Pomegranate’ at Chowdepalli mandal, Sydapuram village and Mulakalacheruvu mandal on 12.09.2019 and 13.09.2019 respectively. Ms. B.Vimala, Scientist (Hort.), HRS Anantapur, Dr.B.Govinda Rajulu, Principal Scientist & Head, KVK, Periyavaram and Dr. P.Pedda Nagi Reddy, SMS (Hort.), KVK- Kalikiri attended as resource persons. Ms. S.M.Sailaja, Research Associate (Hort.) coordinated the programmes.

National Animal Disease Control Programme

‘National Animal Disease Control Programme for FMD & Brucellosis and National Insemination Programme’ was observed on 11.09.2019 at all KVKs of Dr.YSRHU. Awareness was created on the aspects of Foot & Mouth Disease (FMD) and Brucellosis disease management and importance of Artificial Insemination in reproduction, conducted vaccination camp for prevention of FMD disease in animals along with fertility camp. A leaflet on Foot & Mouth Disease (FMD) and Brucellosis disease management was also released.
Diagnostic Visits

On 04.09.2019, Dr. S. Adarsha, Scientist (Ento.), KVK, Pandirimaridi visited ridge gourd, bhendi fields at Irlapalli village of Rampachodavaram mandal and diagnosed micronutrient deficiency in ridge gourd and sucking pest damage in cluster bean. Recommended to spray borax 3g/l, micronutrient mixture 5g/l for control of flower drop and application of dimethoate 2ml/l for control of sucking pests in ridge gourd, cluster bean, Spinosad 0.25ml/l water for control of fruit borer damage in bhendi.

On 11.09.2019, Dr. S. Adarsha, Scientist (Ento.) and Sri P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimaridi visited cotton fields at Nimmalapalem village of Addateegala mandal. Observed magnesium deficiency and recommended to spray magnesium sulphate 10gm/l twice at 45 DAS and 75 DAS respectively.

On 06.09.2019, Dr. K. Venkata Subbaiah, Scientist (Hort.), KVK, Venkataramanagudem visited Amruthapuram village for diagnosing in marigold field. The crop at flowering stage and suggested to spray 19-19-19 @1g/l at weekly intervals and also recommended two times spray of volax @0.5g + chloropyriphos@1.25ml/l of water at 15 days intervals during evening hours for insect free plants.

On 07.09.2019, Dr. K. Venkata Subbaiah, Scientist (Hort.), KVK, Venkataramanagudem visited ongoing kharif tribal sub plan technical programs in in Pandirimaridigudem (ivy gourd, bitter gourd), Vankavarigudem (banana) and suggested to spray 13-0-45 @ 5g + micronutrients @ 5g/l of water at flowering, fruiting and fruit development stages for good marketable yield.

On 07.09.2019, Sri. G. Sandeep Naik, Scientist (Pl. Path) & Head, KVK, Vonipenta visited chilli fields for diagnosis of pests and diseases. Observed the upward curling and suggested to removal and destruction of infected plants followed by spraying of dimethoate or methyl-O-demeton @ 0.2%.

On 12.09.2019, technical team of KVK, Vonipenta visited onion fields at Krishnapuram village of Mydukur mandal. Indentified the sulphur deficiency in onion and recommended to spray copper sulphate or wettable sulphur for correcting the nutrient deficiency and increasing the bulb growth.
On 13.09.2019, Dr. V. Yugandhar, Research Associate (Hort.), KVK, Vonipenta visited turmeric, banana and tomato fields for diagnosis of pests and diseases at Adireddipalli village of Mydukur mandal. Observed leaf spot in turmeric and suggested spraying of mancozeb @ 2.5 g/l for leaf spot disease, observed leaf streak virus disease infection in banana and recommended the removal and destruction of infected plants followed by spraying of dimethoate or methyl-O-demeton @ 0.2% to control the spread of disease and spotted wilt virus infection in tomato and recommended removal and destruction of infected plants followed by spraying of dimethoate or methyl-O-demeton @ 0.2% to control the spread of disease.

Dr. N. B. V. Chalapathi Rao, Principal Scientist (Ento.), HRS, Ambajipeta carried out field visit to rugose white fly infested coconut plantations along with officers from Department of Horticulture, Govt. of A.P in Kalavalapalli and Chagallu villages in West Godavari dist. on 05.09.2019. The incidence of white fly is again observed and spraying of *Isaria fumosorosea* NBAIR pdf 5 entomopathogen and pinning of eggs of predator *Dichocrysa* was taken up. The farmers were advised to be vigilant and monitor continuously for incidence of rugose spiraling whitefly.

Dr. N. B. V. Chalapathi Rao, Principal Scientist (Ento.) and D. Rakshith Roshan, Research Associate (Ento.), HRS, Ambajipeta conducted roving survey on rugose spiraling whitefly incidence at Kadiyam nurseries and coconut gardens of Madavaraopalem village on 12.09.2019.

**On Farm Trial**

On 05.09.2019, P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi visited chilli fields which are adjoining to Sabari river at Ramavaram village of V.R. Puram mandal. Composite soil samples were collected in chilli fields before transplanting in order to assess the fertility status of soil under on-farm trial on Soil test based nutrient management in chilli and interacted with beneficiary farmers regarding the practical application of recommended dose of fertilizers based on soil health cards given earlier.

**Training Programmes**

On 12.09.2019, Sri P. Raja Sekhar, Scientist (SS&AC), KVK, Pandirimamidi attended a training programme as resource person for dairy farmers on ‘Azolla Production Technology’ organised by M/s. Reliance Foundation in coordination with Department of Animal Husbandry, East Godavari district at Rampachodavaram. Explained the importance and use of azolla as poultry and cattle feed followed by method demonstration on installation of low cost azolla production unit at household level and also provided low cost azolla kits to the beneficiaries.
Dr. M. Raja Naik, Assoicate Professor (Hort.), CoH, Anantharajupeta attended a training program as a resource person to the input dealers on “Pomegranate production technology along with pest management” at Krishi Vigyan Kendra, Kalikiri, Chittoor Dt. on 15.09.2019 under DAESI program.

**World Coconut Day**

Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) and Dr.N.B.V.Chalapathi Rao, Principal Scientist (Ento.), HRS, Ambajipeta participated in World Coconut Day celebrations at V.V. Meraka, Sakinetipalli mandal and delivered the lectures on “Coconut production technologies & Management of coconut pests and diseases” to farmers on 02.09.2019. Smt. Chintha Anuradha, Hon’ble M.P, Amalapuram and Dr.R.V.S.K. Reddy, Director of Research graced the function as chief guests and addressed the farmers.

**Phone-in-Live Programmes**

Dr.R.V.S.K.Reddy, Director of Research attended Phone-in-Live programme on ‘Sithakalamlo kuragayala sagulo melakuvalu’ at Doordarshan Kendra, Vijayawada on 05.09.2019.

**Publications**


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