



## Fortnight Focus

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## From Vice- Chancellor's Desk

### Horti-Tourism

Horti-tourism essentially “Entertainment Farming” refers to the act of visiting a Horticultural farm such as fruit orchards, vegetable gardens, ornamental gardens, processing units, for various purposes, including enjoyment, education, or recreational activities. Horti-tourism involves working in Horticultural farms for enjoyment, education, recreation, or participation in farm activities. It's a form of tourism that combines regional tourism, family tourism, and rural diversification, particularly in areas with strong crop growing traditions. Horti-tourism can be a valuable source of income for farmers, especially in areas where orchards take years to bear and begin yielding.

Horti-tourism can also be referred to as “Garden Tourism” which requires strong public relations and skills. This approach arises due to the perception of urban people who want to divert themselves with their busy life, pollution, stress and seek peace and enjoyment in a natural greenery environment. Furthermore, Horticulture can be an important asset for luring domestic and international tourists subsequently leading to community development and economic upliftment of rural people.

Proper management and skills are the prerequisite for a farm to be converted into a new touristic destination. Dr. YSR Horticultural University through its Research Stations and KVKs functioning in remote areas like Pandirimamidi, Chintapalli, Peddapeta wants to promote the concept, that, a farmer understands the basic concept of Horti-Tourism, and the requisites for better farm establishment. Furthermore, the orchard or farm must possess diversified varieties of crops and, flowers and turfing to add aesthetic value to farm. This necessitates all these requirements and makes farmers more curious and develops new ideas.

In our rural and tribal perspective, major constraints for adoption of Horti-tourism include land fragmentation, research gap, poverty, undulated land topography, lack of policy development, lack of transportation, and other infrastructures. These constraints need to be addressed for the establishment of Horti-Tourism related farms in a sustainable way in our country. But, nonetheless, it will be a righteous and promising industry for future employment for an agrarian country like India.



**Dr. K.Gopal**

**Vice-Chancellor**

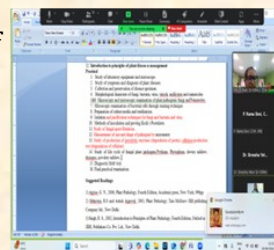


## The Events

### Education



Sixth Dean's Committee with Associate Dean: Conducted zoom meeting with all Plant Pathology staff of Dr.YSRHU and all the staff joined in online on UG course curriculum discussions about VI Dean's committee report on 17-09-2024, 18-09-2024 conducted by Heads of different dept. of Dr.YSRHU. Semester wise modifications were discussed as per suggestions of Dean of Horticulture Dr.L.NaramNaidu. Lecture outlines were prepared. The Associate Dean in-charge, Dr. Ch. Ruth, Prof.(Pl.Path.) & OAM (UG) & all teachers were participated



Dr.Ch.Ruth, Prof., Pl.Path., CoH, Anantharajupeta attended Teaching Assistanceship meeting under the chairmanship of Dean(PGS) and all University Officers on 20-09-2024. Career Development Centre, Dr. YSR Horticultural University purchased Books kits; Each kit with a total number of 13 books (UPSC Civil Service, GRE, ISLETS, CAT preparation) which facilitate aspirant students to prepare for competitive examinations. Dr. K. Gopal, Hon'ble Vice- Chancellor presented Books kits to the



ADs of 5 Constituent Colleges of Dr. YSRHU and advised them to keep them at College Libraries available to the students. Prizes were also distributed to the winners of Idea Fest - 2024 and Yoga State Level and District Level Championship Winner.

### NSS Activities

Dr.YSRHU-College of Horticulture Anantharajupeta conducted anti plastic awareness programme by collecting and disposing the plastic in a proper manner on 23.09.2024. In this programme Dr. Ch. Ruth, Associate Dean, Dr. Y. Deepthi Kiran, NSS Programme Officer, Dr. A. Nischala, NSS Programme Officer, all the teaching, non teaching staff and NSS volunteers participated.



On the occasion of NSS Foundation Day Plantation Drive was conducted by planting Tebebuia and Peltophorum tree saplings in NSS block at COH, Anantharajupeta on 24.09.2024.

Dr. Ch. Ruth, Associate Dean, Dr. Y. Deepthi Kiran, NSS Programme Officer, Dr. A. Nischala, NSS Programme Officer, all the teaching, non teaching staff and NSS volunteers participated in the programme



COH, Chinalataripi organized parthenium eradication programme around the premises of college of Horticulture Chinalataripi on the eve of NSS foundation Day and Swachhata Hi Seva campaign. Volunteers were enlightened about the negative effects of parthenium weed on human health, especially respiratory allergic problems. All the NSS volunteers actively participated in the eradication of parthenium to make the college parthenium free campus. Dr.S. Sree Vijaya Padma, Associate Dean, Staff and students participated enthusiastically.



COH, Chinalataripi NSS volunteers were enlightened about My Bharat portal for their career development and information regarding internships of their area of interest around Dr.YSRHU-College of Horticulture, Chinalataripi. 100 members of NSS volunteers learnt about event creation in My Bharat portal especially social awareness campaigns on maintaining cleanliness and uploading activities in an easy way.



Dr. YSRHU-College of Horticulture, Chinlataripi distributed Swachhata Hi Seva Campaign kits to 100 members of NSS volunteers (NSS Unit-I). As per the instructions of Ministry of Youth Affairs and Sports, GOI provided the items like White cap with My Bharat logo printing, Note book containing 50-60 pages with My Bharat logo and white colour pen with My Bharat logo. Above kits were distributed by Dr.S.Sree Vijaya Padma,Associate Dean, COH, Chinalataripi.



An awareness rally was organized in Oguru village, Kandukurmandal regarding cleanliness and maintenance of self health hygiene. NSS volunteers of Dr. YSRHU- College of Horticulture, Chinalataripi participated in the rally with placards and meaningful slogans that spread over the village. Villagers contributed their views with regard to cleanliness of Oguru village

CoH, Chinalataripi, NSS volunteers made different kinds of models and charts as a part of Swachhata Hi Seva Campaign. Volunteers explained their models and projects to minimize the waste and convert the waste to energy methods in simple ways to Dr. S. Sree Vijaya Padma, Associate Dean, College of Horticulture, Chinalataripi.



## Extension

### Tree plantation drive:



On 17.09.2024,Dr.YSRHU-KVK, Periyavaram staff conducted Tree plantation drive at and Swachhata Pledge KVK, Periyavaram. As part of "Ek Ped Maa Ke Naam" (Plant for Mother) Dr.D.Thirupal, Scientist (Horticulture) and Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) and non-teaching staff of KVK planted Moringa seedlings at KVK.

### Swachhatha Hi Seva Programme:

From 17.09.2024 to 30.09.2024 Krishi Vigyan Kendra, Venkataramanagudem has conducted different swachchatha activities every day as per schedule given by Government of India. Created awareness on Swachchatha in KVK operational villages, conducted different competitions to the school childrens on Swachchatha, distribution of PPE kits to the farmers, office premises cleaning, religious places cleaning, adopted villages cleaning, campaigns, discussions etc.



On 18 September 2024, Dr.YSRHU-KVK, Periyavaram Scientists Dr.D.Thirupal (Horticulture), Dr.P.Nagarjuna Reddy (Agri.Extn) and Dr.I.Rajeevana (Soil Science) conducted awareness programme on Swachhata Hi Seva for 10<sup>th</sup> class and Intermediate students of AP Modl School, Venkatagiri, Tirupati District.Created awareness on importance of self-hygiene as well as cleanliness of school premises.Educated students on harmful effects of plastic usage and later on conducted rally with school children on Swabhavswachhata - Sanskar Swachhata.



From 17-09-2024 to 02-10-2024, Sri K.Veeranjaneyulu, Scientist (Fisheries), Incharge of swachhta programmes celebrated various activities like, awareness on sanitation, personnel hygiene, medical checkups for safai mithras, clean and green programmes in schools, colleges and public places etc. near KVK, Pandirimamidi.



On 23.9.2024 KVK, Vonipenta scientists conducted Swachhta Hi Seva 2024. Programme on Human chain- Joining hands to raise awareness on cleanliness at Mahatma Jyotibha Phule BC welfare school, Vonipenta. Under the "Swachhta Hi Seva" initiated a program on swachhata pledge. Students joined hands to raise awareness and commitment to cleanliness. Dr. B.S.Kanthi Sri, Scientist, Home Science, explained about the personal and surrounding cleanliness. Smt.Nirmala, Principal, , 10 Teachers and 80 number Students, Mahatma JyotibhaPhule BC welfare school, Vonipenta were joined in the activity.

On 25.09.2024, Dr.P.Nagarjuna Reddy, Scientist (Agril.Extension) conducted Swachatha Hi Seva programme at Mokkalapudi (V), Venkatagiri (M), Tirupati Dist. Created awareness on cleanliness and harmful effects of plastic usage among farming community and later on conducted cleanliness drive at surroundings of religious places in remote areas of the village.



On 26.09.2024 KVK, Vonipenta scientists conducted Swachhta Hi Seva 2024 by organizing essay writing competition on Swach Bharat Mission at Mahatma JyotibhaPhule BC welfare school, Vonipenta. Dr.M.Balakrishna(Sr. Scientist & Head) presented prizes to the winners and explained about the importance of following swachtha mission, clean and green Dr. B.S.Kanthi Sri, Scientist, Home Science, explained about the personal and surrounding cleanliness. Smt.Nirmala, Principal, 10 Teachers and 80 students from Mahatma JyotibhaPhule BC welfare school, Vonipentaalso joined the session and make it to successful.

### Training programmes organized

On 17-09-2024, KVK, VR Gudem conducted inaugural session for Trainers Training on “coconut based convenient food products”. Director of Extension Dr. B. Govinda Rajulu, Director of Research, Dr. M. Madavi Madam, Dr. M. G. Deva Muni Reddy, Joint Director of Horticulture (Fruits) DHO R. Devanand Kumar Principal Scientist and Head Dr. E. Karunasree madam, Shri Kumaravel S. Deputy Director West Godavari, CDB, Dr. V. Deepthi, Dr. A. Devivaraprasad Reddy Scientist (Vety. Sci.), Dr. N. Chiranjeevi, Scientist (Plant Pathology), Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. Venkata Satish Kuchi Scientist (Horticulture) attended the inaugural session. 23 scientists and officers from state departments have registered for the programme. Later, Master Trainers Smt. Anita Joy and Miss Sonu practically explained participants about making preparation of coconut based cookies and chocolates.



On 18-09-2024, in the Trainers Training on “Coconut based convenient food products” Master Trainer Smt. Anita Joy explained various processed products prepared from coconut. Dr. E. Karunasree explained about market linkages for coconut based food industries. Later, Master Trainers Smt. Anita Joy and Miss Sonu practically explained participants about preparation of coconut chips and coconut dehydrated powder.



On 19-09-2024, in the Trainers Training on “Coconut based convenient food products”. Smt. Anita Joy and Miss Sonu practically explained participants about preparation of virgin coconut oil preparation and coconut squash preparation. In the valedictory session the Director of Extension ANGRAU Dr. G. Sivanarayana, Director of Extension Dr. B. Govinda Rajulu, Shri Kumaravel S. Deputy Director West Godavari, CDB, Principal Scientist and Head Dr. E. Karunasree, Dr. V. Deepthi, Dr. A. Devivaraprasad Reddy Scientist (Vety. Sci.), Dr. N. Chiranjeevi, Scientist (Plant Pathology), Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr. Venkata Satish Kuchi Scientist (Horticulture) attended the inaugural session. 23 scientists and officers from state departments have registered for the programme. Participants were given certificates.



On 17-09-2024, Sri K.Veeranjaneyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi conducted training programme on Breeding and Seed production techniques in IMC carps for extension functionaries and distribution of fish fingerlings to tribal fish farmers. Explained cultivable species identification, IMC seed production methods, nursery pond preparation methods, broader identification techniques, seed acclimatization methods, Prevention of transport stress reduction management methods, Feeding techniques and Plankton development methods. Distributed 8,000 fish fingerlings to tribal fish farmers in the collaboration with ALERT NGO, Rampachodavaram. Total 35 members are participated in this programme

On 19.09.2024 Dr. S. Adarsha, Scientist (Entomology), from Krishi Vigyan Kendra, Pandirimamidi and Dr. Narayana Bhat, ICAR-NCIPM, New Delhi conducted training program on integrated pest management in chilli at Katravalapalli village of Jaggampeta mandal. Dr. Narayana Bhat, ICAR-NCIPM, New Delhi explained about various non chemical methods for control of pest and diseases. Demonstration on installation and use of sticky traps and pheromone traps was also conducted as part of the program. Farmers were provided with Pheramone traps and lures for *S litura* and *H armigera*, sticky traps @ 5 per acre for monitoring of pest incidence, Smt Lavanya , HO Jaggampeta, Sri Sai,VHA, Katravalapalli and 52 farmers participated the program.



On 19.09.2024, Dr. M. Raghavendra Reddy, Scientist (SS&AC) Dr YSRHU-KVK Venkataramannagudem conducted a training programme to the tribal farmers on “improved management practices of Groundnut” and explained scientific cultivation of Groundnut *Var* 1694 (Visishta). Dr B. Govinda Rajulu, Director of Extension and Dr E. Karuna Sree, PS & Head, distributed seeds to the beneficiaries of

Kapavaram and Jeelugumilli villages.

On 20.09.2024, Dr.N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Venkataramannagudem provided one day training programme on pest and diseases management in coconut and oil palm to the farmers from Neeladripuram village, Tadepalligudem mandal.Total 21 farmers participated in the programme.



On 28.09.2024 KrishiVigyan Kendra, Vonipenta conducted Training programme on Pest control practices in Crop management in collaboration with PARIJAT industries Pvt.Lmt, Mumbai and method demonstration on drone technology at KVK, Vonipenta, with the support of Coramandal Pvt. Ltd., Mydukur mandal. Dr. M.Balakrishna, Senior Scientist and, Head, KVK, Vonipenta addressed farmers and explained about pest control practices in Horticultural crops. Dr.B.S.Kanthi Sri, Scientist, HSc explained about different pesticides and its side effects on environment, human body and how it damages biodiversity. Dr.Firoz Hussain scientist, Horti. explained about dosage of pesticides for different crops in different stages. Mr. Venkatesh from PARIJAT also given presentation on importance of safety kits wearing while spraying pesticides and they provided pesticides spraying safety kits to the farmers. After this Coramandal staff conducted live demonstration on drone technology and its benefits in agriculture. G.P.Prathapa Reddy, progressive farmer, BalaNarasimha Reddy Progressive farmer, APCNF staff and around 100 farmers participated in the program



On 30 September 2024, Dr. D. Thirupal, Scientist (Horticulture) Dr.YSRHU -KVK, Periyavaram conducted a Training programmes on "Flower Regulation in Acid lime for getting higher yields during summer" as a part of Impactful interventions in Acid lime program for the year 2024-25 at KVK, Periyavaram, Venkatagiri. Enlightened about the importance & role of Cycocel growth retardant hormone in Acid lime Flower regulation and Suggested spraying of Cycocel @ 1000 ppm during September month as a part 2nd spray schedule in flower regulation intervention. Provided the Cycocel hormone to the acid lime beneficiary farmers. Dr. B. Vijayasree, Scientist (Home Science) & head, Dr. P. Nagarjuna Reddy, Scientist (Agri. Extn.) and farmers are participated.

### Training programmes participated

Dr. B.Vijayasree, Scientist (Home science), Dr.YSRHU-KVK, Nellore-2 (Periyavaram) attended Trainers Training Program in Coconut based Convenient Food product at Dr.YSRHU - KVK, VR Gudem, West Godavari District from 17-09-2024 to 19.09.2024 (3 Days) organized by Coconut Development Board, Vijayawada & Dr.YSRHU- KVK, VR gudem. Hands on training on preparation of value added products of coconut and provided information on available machinery for entrepreneurship development with different products.



Dr. K. Radha Rani, Principal Scientist (Horti.), MRS, Nuzvid has participated in the training programme on "**Techniques for Ultra High Density planting system**" conducted by K.S.A for Agroecology Kondaparva, Vissannapeta-mandal, Eluru district on 19.09.2024.



On 20-09-2024, Sri K.Veeranjaneyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi attended as a resource person for NFDB sponsored programme on Value addition of Fish and prawn products at ANGRAU-KVK, Ghantasala, Krishna (Dist). Explained importance of fish in human diet, preparation methods of fish samosa and fish Cutlet, Marketing techniques and products storage methods. Total 33 members SHG womens were participated in this programme



Dr. K. Radha Rani, Principal Scientist (Horti.), MRS, Nuzvid has participated in the training programme on **"Organic mango Production"** conducted by K.S.A for Agroecology Kondaparva, Vissanapeta mandal, Eluru district on 24.09.2024.

Mr.G.ShaliRaju, Scientist (Entomology) Dr.YSRHU- MRS,Nuzvid participated in the PolamPilustondi programme at Sagguru Village in AgiripalliMandal, Eluru District on 24.09.2024.



Dr. K. Radha Rani, Principal Scientist (Horti.), MRS, Nuzvid has participated in the training programme on **"Mamidi Saagupai rythulaku Avaghana saddassu"** conducted by Coramandal International Limited, Cheemalapadu, A. Konduru mandal, NTR district on 26.09.2024.

On 28 September 2024, Dr. D. Thirupal, Scientist (Horticulture) Dr.YSRHU-KVK, Periyavaram attended as a resource person in Training program on "Better management practices in Colocasia cultivation" at Kurjagunta village, Venkatagiri mandal, Tirupati District organized by Srinivasa Seva Trust (NGO), Venkatgiri. Explained about the fertilizers, Pest & disease management practices in Colocasia followed by diagnostic field visit in Colocasia fields and identified leaf spot disease as a major problem & suggested spraying of Mancozeb+Metalaxyl @2.5 g./liter of water. Mr. P. Satish Kumar (Agronomist), Srinivasa Seva Trust (SST) and Mr. Suresh, VDO of SST, Venkatagiri and farmers are participated.



### Polam Pilusthondi



On 24.09.2024, Sri. G. Sandeep Naik, Scientist (Plant Pathology) from Dr YSRHU- HRS, Anantharajupeta had participated in inauguration of Polam Pilusthondi programme organized by Dept of Agriculture and allied sectors at Obannapalle village of Rly Kodur mandal. During the programme Scientist enlightened about nutrient management, pest and disease management in banana and Papaya. Visited banana and papaya fields after the inaugural programme.

Dr M.Ravindra Babu, Senior Scientist(Hort)&Head,HRS, Darsi participated in 'Polam Pilusthondi' program on 24.09.2024 in Kanumalla village of Singarayakonda Mandal, Prakasam District along with Line Dept officials.





On 24.09.2024 Dr. S. Adarsha, Scientist (Entomology) and Sri K. Veeranjineyulu Scientist (fisheries) from Krishi Vigyan Kendra, Pandirimamidi participated and explained various activities of Krishi vigyan Kendra, Pest and disease management in cashew and paddy, monkey management strategies available for protection of crop, Apiculture techniques in Polam Pilusthundi program organised by Department of Agriculture, at Ootla and BV Kota villages of Rampachodavaram mandal. As part of the program visited paddy fields at B.V.Kota and explained about recommended practices to be taken at tillering stage of crop. Sri Laxman, MAO Rampachodavaram, ADA and 12 officers from line departments attended the program and 93 farmers participated in the program.



On 24th September 2024, a *Polam Pilusthundi* program was organized at Kondrakota in the Polavaram mandal, where Honble MLA, Sri. C. Bala Raju garu, Polavaram MLA, Sri. Srinivas garu, Chairman, SC & ST cell was participated as the chief guest. Dr. E. Karuna Sree, Principal Scientist and Head of KVK, Venkataramannagudem, addressed the gathering and elaborated on the initiatives taken by KVK to support farmers in the region. Dr. A. Devi Vara Prasad Reddy, Scientist (Fisheries and Veterinary Science in charge), provided valuable insights into backyard poultry farming, composite fish culture, and vaccination schedules for small ruminants.

On 24.09.2024 Dr. M. Raghavendra Reddy, Scientist (SS&AC) and Dr. K. Venkata Satish Scientist (Hort.), Dr YSRHU-KVK Venkataramannagudem participated in the “Polam Pilusthundi” programme at Ananthapalli. Also, organized the demonstrations on use of Agricultural Drones for spraying on Paddy in Ananthapalli Village, Nallajerla Mandal. In this programme, conducted an exhibition on KVK products and Natural farming concoctions. And, Dr. M. Raghavendra Reddy, Scientist (SS&AC) delivered lecture on use of agricultural drone for spray activity to the participants of training programme organized by DRC, East Godavari Dt as resource person. Dr. K. Venkata Satish delivered lecture on Integrated crop management in acid lime to the participants of training programme organized by DRC, East Godavari Dt as resource person.



On 24.09.2024, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Venkataramannagudem participated in polam pilustundi programme organised at Darsiparru and padala villages of Tadepalligudem mandal. Provided technical information on BLB and sheath blight management in paddy. Conducted field visits, diagnosed problems and recommended proper management practices. Honble MLA Tadepalligudem and president of the village acted as chief guests to the programme.

On 25.09.2024 Dr. YSRHU- KVK, Vonipenta scientists attended Polam Pilusthundi at Settivaripalle and Kesalingayapalle villages of Mydukur mandal organised by Dept. Of Agriculture. Dr. K. Veeraiah PC KVK, Vutukur, explained about major agricultural crops like maize, rice, bengal gram, jowar package of practiced pest and disease management. Dr. M. Balakrishna Senior Scientist and Head addressed the farmers about cultivation details of major horticultural crops like turmeric, banana, onion, chillies, tomato etc. Dr. S. Firoz Hussain Scientist (Hort.) Sri. K. Krishnamurthy, ADA, Mydukur, Smt. K. Prassanna AO, Sri. S. Ramakrishna, HO Mydukur. Also discussed about nutrient management. Field visit was also conducted in turmeric and onion fields. From two villages total 75 farmers participated in the programme.





Dr M.Ravindra Babu, Senior Scientist(Hort)&Head,HRS, Darsi participated in 'Polam pilisthondi' program on 25.09.1024 in Sanampudi village of Singarayakonda Mandal, Prakasam District along with Line Dept officials.



On 25-09-2024, Sri K.Veeranjaneyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi participated Polam Pilusthundi Programme at Tamarapalli and Folkspeta villages of Rampachodavaram mandal explained about IFS methods, better management methods in IMC carps, Backyard Poultry Management methods, Goat rearing methods. part of programme visited fish pond and paddy fields suggested yield improving methods, and clarified farmers problems along with ADA, MAO, VAA village sarpanches.

On 25.09.2024 Dr. M. Raghavendra Reddy, Scientist (SS&AC) and Dr. V. Deepthi, Scientist (Agrl. Extn.), Dr YSRHU-KVK Venkataramannagudem participated in the "Polam Pilusthondi" programme at Apparaopet. And, organized the demonstrations on use of Agricultural Drones for spraying on Paddy in Apparaopet Village, Tadepalligudem Mandal. In this programme, conducted an exhibition on Natural farming concoctions and KVK products. And, delivered interacted with farmers on Agricultural drone and created awareness on Natural farming to the farmers.



On 25.09.2024, Dr. E. Karuna Sree, Principal Scientist and Head and Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Venkataramannagudem attended Polam Pilusthundi programme at Pularlapadu village, Nallajarla mandal. Provided technical information and training on pest and diseases management in paddy, oil palm and citrus. Conducted field visits to paddy fields, diagnosed pest and diseases and provided proper management practices to the farmers.

### Diagnostic visit:

On 19.09.2024 Dr. S. Adarsha, Scientist (Entomology), from Krishi Vigyan Kendra, Pandirimamidi visited ivy gourd and bottle gourd fields at Katravalapalli village of Jaggampeta mandal. Crop is in flowering stage. Recommended for application of copper oxychloride @3g/l or carbendazim @1g/l for management of anthracnose. 3 farmers participated the program.



Dr. Ch. Ruth, Prof.(Pl.Path.) and K.Swarajyalakshmi, Prof.(H.) attended field visit to banana cv.Amtruthapani and observed drying of upper leaves due to panama wilt disease in five months old crop with flood irrigation practice in Puli Ramaiah farmer in Thimmireddypalli village of Rly.Kodur and suggested drenching of carbendazim and application of bioagents.



On 21-09-2024, Dr.T. Kranthi Kumar, Scientist (Horticulture) and Sri.K. Veeranjanyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi were Conducted Followup cum Diagnostic field visit in Ginger fields of FLD - Demonstration on Organic Cultivation in Ginger at Poothigunta Village, Y.Ramavaram Mandal, KVK, Pandirimamidi operational area and Identified Healthy vegetative crop and suggested Good management practices in Ginger. To this 3 number of farmers were attended.



On 21.09.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted diagnostic field visit in banana at Adireddypalle village in Mydukur Mandal. The scientist observed severe sigatoka leaf spot in banana and suggested remedial measures.

On 24.09.2024 Dr. M. Raghavendra Reddy, Scientist (SS&AC) and Dr. K. Venkata Satish Scientist (Hort.), Dr YSRHU-KVK Venkataramannagudem conducted diagnostic visit to Oil palm crop, and recommended Boron management practices upon its deficiency.



On 25-09-2024, Dr.T. Kranthi Kumar, Scientist (Horticulture) and Sri.K. Veeranjanyulu, Scientist (Fisheries), Krishi Vigyan Kendra, Pandirimamidi were attended Polam Pilustundi Programme and explained about advantages of summer deep plough techniques, Integrated management methods in cashew crop, Pest and disease management practices in vegetables, paddy and cashew, advantages of natura farming methods. Part of programme visited paddy fields suggested yield improving methods, and clarified farmers problems. To this program ADA, MAO, VAA, VAS, other line departments officials and 93 number of farmers were attended.

On 26.09.2024, Dr. K. Venkata Satish, Scientist (Horticulture) conducted Diagnostic field visit to acid lime orchard at Jaggannapeta village, Tadepalligudem mandal and observed citrus canker in the field visit and recommended spraying of streptomycin 1g and coc 3g per litre twice at 20 days interval.



On 26.09.2024, Dr. K. Venkata Satish, Scientist (Horticulture) conducted Diagnostic field visit to bottle gourd field at Jaggannapeta village, Tadepalligudem Mandal and observed micronutrient deficiencies and recommended spray application of micronutrient mixture @3g per litre.

On 26.09.2024 scientists of Krishi Vigyan Kendra, Vonipenta conducted Diagnostic field visit in banana field at Sivaram palagiri village of Kasinayana Mandal. Identified sigatika leaf spot in crop and Dr. M. Balakrishna Sr. Scientist & Head suggested the farmer to spray Propiconazole @ 1.0 ml per litre + Companion @ 2.0 gram per litre, after fifteen days, spray Nativo @ 1.0 gram per litre + Mineral oil @ 10.0 ml per litre. After fifteen days, spray difenconazole @ 1.0 ml per litre + Mineral oil @ 10.0 ml per litre.





On 28-09-2024, CoH, Chinalataripi B.Sc (Hons) Horticulture second year students were taken to Oguru village for field diagnostic visit of pest and disease incidence in fruit crops viz., Mango, Guava, Sapota, Papaya. As a part of practical exposure under the courses like Insect Pests of Fruit, Plantation, Medicinal and Aromatic Crops and Diseases of Fruit, Plantation, Medicinal and Aromatic Crops. The tour was coordinated by course in-charges Dr. K. Jyothirmai Madhavi & Mr.M. Narasimhudu.



On 30/09/2024 Dr. M. Balakrishna Sr. Scientist & Head conducted Diagnostic fields visit in Sweet orange fields of Pulivendula area villages of Pulivendula mandal and identified root rot, mites damage in sweet orange and suggested trichoderma bio-agent application to the soil either through powder form or liquid form @1 liter per acre through drip. For mites suggested spraying of propagite 1.5 ml per plant after fifteen days and spiromeficin 2ml per plant. Suggested some specific natural farming practices to mites and scales. Sri G.

Raghavendra Reddy HO, pulivendula and Sri V. Diwakar VHA, 10 farmers the visited village also participated in the event.

### TSP and SCSP

CRS, Bapatla scientist distributed 400 cashew grafts to the 5 No's. of beneficiaries under TSP Programme sponsored by ICAR-DCR, Puttur on 21.09.2024



CRS, Bapatla scientist distributed 2000 cashew grafts to the 27 No's. of beneficiaries under SCSP Programme sponsored by ICAR-DCR, Puttur on 30.09.2024

**On 19.09.2024**, Krishi Vigyan Kendra (KVK), Venkataramannagudem to enhance livestock productivity in tribal regions, distributed Black Bengal goat units (2+1) to local farmers. During the event, Dr.B.Govinda Rajulu, Director of Extension participated as chief guest, Dr. Naga Raja Kumari, Senior Scientist, SVVU-BRS, VRGudem provided detailed insights on the scientific methods of goat rearing, emphasizing the importance of proper nutrition, regular deworming, and health management practices for achieving higher productivity in goats. The distribution of goat units was led by Dr. E. Karuna Sree, Principal Scientist and Head of KVK, Dr. Naga Raja Kumari, Senior Scientist, BRS, SVVU, VRGudem and Dr. A. Devi Vara Prasad Reddy, Scientist (Fisheries and Veterinary Science in charge), Dr. M. Raghavendra Reddy, Scientist (SS & AC) at KVK, VRGudem.



On 20.09.2024, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr YSRHU-KVK Venkataramannagudem distributed cement pots for the preparation of Jeevam-rutham for tribal farmers. Also, created awareness on preparation of dravajeevam-rutham to the farmers. Later, conducted a diagnostic visit to paddy field and recommended practices to avoid chaffy grains.

### ARYA

On 30.09.2024, Dr. E. Karuna Sree and Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Venkataramannagudem has distributed *Apis cerana* bee boxes and hives to the beneficiaries under ARYA project. Also provided technical information on seasonal management of honey bee hives and diseases management.





## Method demonstrations

On 20.9.2024 Dr.I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram conducted method demonstration on soil sample collection at Kurjagunta village of Venkatagiri mandal. As a part of the programme, explained about the importance of soil testing before establishment of fruit orchard.



On 22.9.2024 Dr.I.Rajeevana, Scientist (Soil Science) demonstrated the usage of Plant Protection kit while spraying at KVK, Periyavaram. Explained about harmful effects of pesticides while these were in touch with body parts like eyes, body and legs. Awareness created regarding usage of kits how it will protect health. Farmers, farm women were participated in the programme.

On 26.09.2024, Dr. M. Raghavendra Reddy, Scientist (SS&AC), Dr YSRHU-KVK Venkataramannagudem and Dr G. Shali Raju, Scientist (Ento), MRS, Nuzivid organized the demonstrations on use of Agricultural Drones for spraying on horticultural crops in Kalagara Village, Visannapet Mandal, NTR Dt. Also created awareness on use of agricultural drone for spraying in short time for large area in any situations like floods.



## On Farm Trials



On 21 September 2024, Dr. D. Thirupal, Scientist (Horticulture) and Dr. B. Vijayasree, Scientist & Head (Home Science) Dr.YSRHU-KVK, Periyavaram provided the Dolichos bean seed material (Arka prasiddhi and Arka Krishna) to the beneficiaries as a part of OFT on "Assessment of Dolichos Bean varieties" at KVK, Periyavaram, Venkatagiri, Tirupathi District. Enlightened about the importance, varietal characters and cultivation practices of newly introduced Dolichos Bean varieties under On Farm Trails program.

On 21.09.2024, Dr. S. FirozHussain, Scientist (Horticulture), KrishiVigyan Kendra, Vonipenta initiated On Farm Trail on Management of sigatoka leaf spot in banana at Adireddypalle village, MydukurMandal. As a part of OFT, distributed chemicals such as Tilt (Propiconazole), Dithane M – 45, Nativio, Mineral oil and Difenconazole.



On 27 September 2024, Dr. D. Thirupal, Scientist (Horticulture) Dr.YSRHU-KVK, Periyavaram distributed the Dolichos bean seed material (Arka prasiddhi and Arka Krishna) to the beneficiaries as a part of OFT on "Assessment of Dolichos Bean varieties" at KVK, Periyavaram, Venkatagiri, Tirupathi District. Enlightened about the importance, varietal characters and cultivation practices of newly introduced Dolichos Bean varieties under On Farm Trails program. Dr. B. Vijayasree, Scientist & Head (Home Science), Dr. P. Nagarjuna Reddy, Scientist (Agril. Extension) and farmers are participated.

On 27.09.2024, Dr. S. FirozHussain, Scientist (Horticulture), KVK, Vonipenta conducted follow up visit to OFT Assessment of onion varieties NHRDF Fursungi and NHRDF Red at Sunkulagaripalle village, Mydukur mandal. The scientist observed that the onion seedlings are in bulb formation stage.





## Front line demonstrations

On 20.09.2024, Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension), KVK, Periyavaram conducted Frontline Demonstration on Bypass fat feed supplementation in buffaloes at Paravolu (V), Venkatagiri (M), Tirupati Dist. Explained about the importance and uses of Bypass fat supplementation in high improving the milk yield and fat content in milk. Provided Bypass fat to the beneficiaries.



On 21.09.2024, Dr. S. FirozHussain, Scientist (Horticulture), KVK, Vonipenta Initiated Front Line Demonstration on Integrated pest and disease management in Acid Lime at KVK, Vonipenta, MydukurMandal. As a part of FLD, I distributed chemicals like Azadirachtin, Thiamethoxam, Bli-tox and Plantomycin to the farmers.

On 24.09.2024 Dr.P.Nagarjuna Reddy, Scientist (Agril. Extension) conducted FLD on Demonstration of mineral mixture supplementation on growth performance in goats at Mokkalapudi (V), Venkatagiri (M), Tirupati Dist. Explained about the uses and importance of mineral mixture supplements on growth performance in goats. Supplied Goatmin mineral mixture supplements to the beneficiaries.



On 24.9.2024 Dr.I.Rajeevana, Scientist (Soil Science), KVK, Periyavaram provided inputs to farmers as a part of Front line demonstration on bunch management in Banana. As a part of demonstration on Bunch Management in Banana provided micronutrient mixture and banana bunch covers. Explained about banana bunch management practices like usage of micronutrient mixtures from 2 to 5 months in

banana, spraying of sulphate of potash on banana bunch and usage of bunch covers like how to tie covers, how it will protect the banana from the attack of pests.

On 27.09.2024, Dr. S. Firoz Hussain, Scientist (Horticulture), KVK, Vonipenta conducted a follow up visit to FLD Integrated Pest and Disease Management in Acid Lime at T. Kothapalli village, MydukurMandal. The scientist observed mite infestation and micronutrient deficiency in Acid Lime. The scientist suggested the farmer to spray propargite @ 1.0 ml per litre or Spiromesfen @ 0.5 ml per litre for controlling mite infestation and to spray Agromin max @ 2.0 gram per litre to overcome micronutrient deficiency.



On 28.09.2024 Dr. S. FirozHussain, Scientist (Horticulture), KVK, Vonipenta initiated Front Line Demonstration on bunch management practices in banana at KVK, Vonipenta, MydukurMandal. As a part of FLD, the scientist distributed chemicals like 13-0-45 and 0-0-50 to the farmers for spraying on the banana bunch for improving the bunch quality.

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

Dr YSRHU-Farmers Advisory Cell organized the following Phone-in-Programs during the second fortnight of September 16-30 (3-4 PM).

Date	Topics	Scientist Name
17.09.2024	సపోటాలో కొమ్మ కత్తిరింపులు మరియు యాజమాన్య పద్ధతులు	Dr. P. Ashok, Pr. Scientist (Hort.) & Head, HRS, VR Gudem



18.09.2024	కొబ్బరి రకాలు మరియు నాటి విధానం	Sri A.Kireeti, Scientist (Hort.), HRS, Ambajipeta
19.09.2024	అటవీ వృత్తుల శుద్ధి- ప్రభుత్వ ప్రోత్సాహాలు	Dr.P.C.Vengaiyah, Sr. Scientist, HRS, Pandirimamidi
20.09.2024	కర్రపెండలంలో ఎర్రనల్లి యాజమాన్యం	Dr. M.Janaki, Scientist & Head HRS, Peddapuram
21.09.2024	బొప్పాయిని ఆశించే తెగుళ్ళ సమగ్ర యాజమాన్యం	Dr. T. Nagalakshmi, Senior Scientist, HRS, VR Gudem
23.09.2024	మిరపలో కలుపు యాజమాన్యం	Dr. Radhika Ramya, Scientist, HRS, Lam
24.09.2024	రక్షిత గృహాలలో గ్రో బ్యాగ్ లలో కీర, దోస సాగు – సూచనలు మరియు మెళకువలు	Dr.T.Thomson, Scientist, HRS, VR Gudem
25.09.2024	నర్సరీ లో నులిపురుగుల యాజమాన్యం	Dr. Ch. S. Kishore Kumar, Senior Scientist, HRS, Kovvur
26.09.2024	అల్లం మరియు పసుపులో తెగుళ్ళ మరియు పురుగుల నివారణకు తీసుకోవలసిన చర్యలు	Dr.V.Sivakumar Scientist & Head, HRS, Chintapalli
27.09.2024	కొబ్బరిలో రుగోస్ తెల్లదోమ నివారణ	Dr.V.Anoosha, Scientist, HRS, Ambajipeta
28.09.2024	నిమ్మ, చీని తోటల్లో జీవన ఎరువుల యొక్క ప్రాముఖ్యత	Dr.B.Prathap, Senior Scientist, CRS, Petlur
30.09.2024	మిరప సాగులో సమగ్ర యాజమాన్య పద్ధతులు	Dr. D. Thirupal, Scientist , KVK, Periyavaram

### 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 September second fortnight, 2024.

Date	Topics	Scientist Name
20.09.2024	జీడి మామిడిలో పురుగుల మరియు తెగుళ్ళ నివారణ	Dr.K.Sravanthi, Scientist, CRS, Bapatla
23.09.2024	ధనియాల పంటలో మేలైన యాజమాన్య పద్ధతులు	Dr.B.Tanuja Priya, Sr.Scientist, HRS, Lam
27.09.2024	జామ సాగులో మేలైన యాజమాన్య పద్ధతులు మరియు సస్యరక్షణ చర్యలు	Dr.D.Sreedhar, Sr.Scientist, HRS, AR Peta
30.09.2024	అధిక వర్షాలు మరియు బెట్ట పరిస్థితులలో కూరగాయ పంటలలో వచ్చే సమస్యలు మరియు యాజమాన్య చర్యలు	Dr. M. Raghavendra Reddy, Scientist, KVK, VR Gudem



## General

On 24-09-2024, KVK Periyavaram scientist, as part of Follow up, monitoring & promotion of business activity of entrepreneurs of NABARD - MEDP program on Moringa & Millet based biscuits, Sale Counter for sales of biscuits at KVK outlet by SHG women was taken



up on the occasion of Local festival Poleramma Jathara which was declared as State festival at Venkatagiri. As part of follow up activity the women were involved in making and marketing of the product and promoting sales with the support of KVK. The A.P Model school students, staff and others also participated and the SHG women explained about the health & nutritional benefits of the Product and good response and demand from the product sales.

## Meeting



On 26.09.2024, Dr. N. Chiranjeevi, Scientist (Plant Pathology), Krishi Vigyan Kendra, Venkataramannagudem has participated in Dhanuka influencers meeting conducted by Dhanuka company at Gundugolanu village, Bheemadole mandal. Provided technical information on pest and diseases management in paddy.

## Visits

On 27-09-2024, Dr. K. Venkata Satish, Scientist (Horticulture), Dr. YSRHU-KVK, VR Gudem co-ordinated exposure visit of BSc. Ag. 3<sup>rd</sup> year students of SKYN College of Agriculture, Etcherla, Srikakulam. Students visited skill training and processing centre and learnt about different drying techniques employed for drying of horticultural produce. 25 students have participated in this programme.



On 28-09-2024, Dr. K. Venkata Satish, Scientist (Horticulture), Dr. YSRHU-KVK, VR Gudem co-ordinated exposure visit to DESAI participants from Bhimavaram. Dr. K. Venkata Satish, Scientist (Horticulture) explained about integrated crop management practices about coconut. Later, They learnt about various processing techniques employed in value addition of fruits and vegetables at processing and skill training centre. In this programme Dr. E. Karunasree Principal Scientist and Head, Dr. YSRHU-KVK, VR GUDM have participated in this programme. 33 input dealers have participated in this programme.

## Awards

During ICPPH-2024 i.e., from 25-27.09.2024, at ICAR-IIHR, Bengaluru, Dr.N.B.V.Chalapathi Rao, Principal Scientist & Head, Dr.YSRHU-HRS, Ambajipeta has received "Dr. SITHANANTHAM AAP-MHE Award" for his excellence in Biocontrol Research.

Dr M Ravindra Babu, Senior Scientist(Hort)&Head,HRS, Darsi received Seed Scientist Award from Seedsmen Association, Hyderabad for the outstanding contributions made to Seed industry and Farming community. The award was given by Sri Thummala Nageswara Rao, Hon'ble Minister for Agriculture, Horticulture and Sericulture, Govt of Telangana during Annual General Body Meeting of SMA at Hyderabad on 26.09.2024.





## **Publications:**

K. Sairam, K. Gopal, B. Srinivasulu, Dr. Ch. Ruth, P. Rama Devi, M. Ravindrababu, and V.V. Padmaja, 2024. Screening of Tomato (*Solanumly copersicum*) germplasm against Fusarium Wilt and Tomato Leaf Curl Virusd in Naturally Ventilated Polyhouse. Journal of Advances in Biology & Biotechnology Volume 27, Issue 10, Page 55-63, 2024; Article no.JABB.123425, ISSN: 2394-1081, NASS 5.3

K. Sairam, K. Gopal, B. Srinivasulu, Ch. Ruth, P. Rama Devi, M. Ravindrababu, and V.V. Padmaja, 2024. *In vitro* evaluation on Efficacy of Bioagents and Plant Extracts against Early Blight of Tomato (*Alternaria alternata*). Journal of Advances in Biology & Biotechnology. Volume 27, Issue 10, Page 26-36, 2024; Article no.JABB.123216, ISSN: 2394-1081, NASS 5.3.

“Kobbarilo Melyna rakaalu yajamanya paddathulu” by A.Kireeti, Rishitha and N.B.V Chalapathi Rao. Rythu Nestham. September, 2024 pp. 57-58.

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