

## **Salient Achievements of KVK during 2021-22**

- KVK has conducted Participatory Rural Appraisal (PRA) at Chavanapalli, perumallapalli, vedurukuppam villages of Vedurukuppam Mandal, Kayampeta, chinthakalva, pattiputhuru villages of Vadamalapeta Mandal which are newly adopted villages from 2021-22. Based on the PRA data we were framed objectives of work and prepared action plan for interventions to be done during 2021-22.
- KVK has conducted 37 capacity building programmes through off and on line to RBK staff of Tirupati, Srikalahasti, Putthur, Sathyavedu and Nagari Agricultural Divisions during 2021-22 in the areas of ICM, IPM, INM, IDM, IWM, Farm Machinery, Organic Farming, Sericulture, ICTs, Communication skills and value addition etc.
- KVK has produced 228.5 quintals of seed i.e. Paddy, groundnut, Greengram, Blackgram, Redgram and Tuberose at KVK farm and supplied farmers to conduct demonstrations during 2021-22
- KVK has produced 5.7 lacks of planting material i.e. tomato, brinjal, onion, chilli, marigold, chrysanthemum, moringa, mulberry and medicinal plants at KVK farm and supplied to farmers for conducting demonstrations during 2021-22
- KVK has developed an success story of NICRA activities titled as “ Impact of climate resilient technologies in Chittoor District of Andhra Pradesh” and released by the hands of Dr.A.K.Singh, Honorable DDG, Agricultural Extension and Dr.J.V.Prasad, Director, ATARI, Zone X. during 5<sup>th</sup> International Congress of Agronomy organized by PJTSAU, Hyderabad from 23.11.2021 to 27.11.2021.
- KVK has conducted 45 diagnostic visits to farmer fields along with DRC staff and line department officials during 2021-22. During diagnostic visits clarified farmer problems and given suitable control measures to farmers for identified problems in Paddy, Sugarcane, Groundnut, Greengram, Blackgram, Redgram, sunflower, sesame, Finger millet, Mango, Tomato, chilli, brinjal, tuberose, marigold, chrysanthemum, onion, Papaya, musk melon, mulberry etc.
- KVK has conducted 385 extension activities i.e. method demonstrations, Kisan melas, Kisan goshtis, group discussions, exposure visits, KVK visits etc. with 11528 farmers and farm women during 2021-22

- KVK has conducted 65 training cum awareness programmes for 2040 farmers on soil and water conservation techniques under Jal Shakthi Abhiyan during 2021-22.
- KVK has conducted 12 virtual training programmes on production technologies of major crops through YouTube and 4 multi location audio conferences with the support of Reliance foundation and coromandel international private limited.
- KVK has conducted 12 field days with 419 farmers during 2021-22 in different crops like Paddy, Sugarcane, Groundnut, Greengram, Blackgram, Redgram, sunflower, sesame etc.
- KVK facilitated exposure visit of 40 farmers from Magadi Taluk, Ramnagar District, and Karnataka on 22.01.2021. The farmers enlighten about the knowledge of soil and water conservation measures, cultivation of mango, tomato and mulberry. Later they visited the demo units in KVK farm.
- Sr.Scientist & Head attended as resource person on 'Training on paddy and Groundnut' at Sri Kalahasthi organized by Coromandel International Ltd. about 50 farmers from Sri Kalahasthi, THottambaedu, KVB Puram mandals of Chittoor dt and Pellakur mandal of Nellore dt were participated in the programme.
- SMS (Hort) attended as resource person for farmers training programme to deliver guest lecture on Integrated crop management in Mango organized by Department of Horticulture under APILIP with support of JAICA at Kammappalli village, Yerravaripalem mandal on 20.01.2021
- SMS (Sericulture) Participated in the 4days Online Training programme on "Extension Management Approaches for Promotion of Sericulture Industry" Conducted by the MANAGE, Hyderabad from 19-01-2021 to 22-01-2021.
- SMS (Sericulture) Participated in the 15 days Online Training programme on "Entrepreneurship Orientation Programme" Conducted by the ICAR-Directorate of medicinal and aromatic plants research, Anand, Gujarat from 4-01-2021 to 18-01-2021.
- the SMS (Sericulture) Received KVK Scientist Award in the field of Sericulture on Occasion of International Extension Education Conference on Role of NGOs in Extension in Services: Opportunities & Challenges, Organized by Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi
- KVK presented award mementoes and cash prize on 05.02.2021 in the presence of Mahindra and Mahindra officials for winning farmers of Mahindra Samridhi Agri Awards, 2020 Sri B. Nageswara Raju, Swamiraju Kandriga, and Karvetinagar for Integrated Farming System and Sri P. Karunakar, Palamangalam, Narayanavanam for Adoption of latest Farm Mechanization.

- KVK has conducted live webcasting of National Horticultural Fair at Udayamanikyam, Yerravaripalem Mandal on 12.02.2021 in which KVK Scientists and nearly 100 farmers were participated and enlightened with the knowledge about latest technologies and latest varieties released from IIHR, Bangalore.
- KVK has hosted two exposure visits of 85 Agriculture students from Sri Balaji Educational Society, Tirupati on 17.02.2021 and 25.02.2021. During the visit they enlightened with the knowledge of mandate of KVK, organizational Structure and different demo units at KVK farm.
- KVK has conducted one day awareness programme for farmers on Energy Efficiency and Energy conservation in agriculture and allied sectors on 26.02.2021 at KVK premises. 105 farmers, 41 Agril. students, 23 No. of officials were participated in the programme Dr. C Ramana, PS and Head, farm machinery department, RARS, Tirupati. Sri S. Sreenivasulu, Agril. Officer, DRC, Chittoor, Sri Abdul Gayeez Engineer NERDCAP, CTR, Sri Tulasimani, APMIP, difference input dealers were participated in the programme and explained about water and energy saving techniques in agriculture, soil health management , solar and wind energy and farm machinery. On the occasion of programme, KVK has supplied Marigold seedlings to five members for conducting demonstrations on Intercropping of Tomato and Marigold under NICRA Project at Chittecherla and Deendarlaplli villages, Chinnagottigallu mandal
- KVK has participated in Kisan Mela organized by RARS, Tirupati and displayed seed and seedlings, medicinal plants, azolla, Vermicompost, mini soil testing kit etc to create awareness among farmers. Farmers from different mandals of the district, dept officials, agrl students visited our stall. Sri B. Gajendra, KVK adopted farmer received second prize in agricultural quiz competition in Kisan Mela.
- KVK has organized training programme on Integrated Pest management in Tomato at NICRA village Deendarlapalli, Chinnagottigallumandal on 05.03.2021. Supplied WOTA, Traps, Tuta lures, Beauveria bassiana and Neem oil to 25 members for conducting demonstrations under NICRA project. Sri Mallikarjunaiah, DDA, FTC, Chittoor attended as Chief guest, Smt Suvarnalakshmi, DPD, APDMP, Chittoor, Sri Sanjeeva Reddy MAO, Chinnagottigallu, KVK scientists and farmers were participated for the above programme. Also conducted field day in Chrysanthemum and Fodder Sorghum CoFS-31. Sr Scientist and Head and SMS (Hort) also participated in capacity building Programme for VAAs, VHAs and VSAs at RBK, Bhakarapet, Chinnagottigallumandal.

- KVK has conducted training programme on ‘Animal nutrition and cultivation of fodder crops’ at NICRA village and supplied urea molasses bricks and mineral mixture to farmers for conducting demonstrations (15.03.2021). Sr.Scientist & Head and SMS, Agrl extension participated in the programme.
- KVK has organized ‘World water day-2021’ and Awareness programme on ‘National Agro Forestry’ on 22.03.2021 at Chittecherla Village of Chinnagottigallu Mandal. Dr. B. Ravindranatha Reddy, Associate Dean, SV Agricultural College, Tirupati, Dr. Hemalatha, Professor, Agronomy, SV Agricultural College, Tirupati, Sri Sanjeeva Reddy, Mandal Agricultural Officer, C.G.Gallu, KVK Scientists, Village Sarpanches from Chittecherla and Deendaarlapalli Panchayaths, Village Agricultural Assistants and 109 farmers were participated in the programme. Supplied CoFS-31 fodder seed to farmers under NICRA project.
- KVK has supplied Power sprayers and battery sprayers to SC farmers under SC Sub plan at Chintagunta and Thoorpu palli Harijanawada of Yerravaripalem mandal on 22.03.2021.
- KVK has organized 25 days skill development training to the rural youth on ‘Sericulturist’ from 02.04.2021 to 26.04.2021 with the support of ASCI.
- KVK has prepared Kharif advisories in different crops in view of COVID-19 and submitted the same to ATARI, Hyderabad and DE, ANGRAU, Lam, Guntur.
- KVK has compiled significant activities carried out by KVK from January to March 2021 in the form ‘Krishi News Letter’ and submitted to ATARI, DE, ADR and all KVKs in the Zone-10.
- SMS, Sericulture participated in ‘International Day of Biodiversity – 2021’ on 22.05.2021 organized by the Department of Andhra Pradesh State Biodiversity Board, Guntur and received ‘Biodiversity Conserver Award 2021’ for her contribution in the field of medicinal plants.
- KVK has organized ‘World Milk Day’ at Chaitanyapuram village, Renigunta mandal and created awareness on milk, milk products and importance of Azolla in animal nutrition to women farmers (01.06.2021). SMS, Home Science and Farm Manager were participated in the programme.
- KVK has organized ‘Awareness programme on Balanced Use of Fertilizers’ in virtual mode to create awareness to farmers on Importance of soil testing, soil health card scheme, importance of greene leaf manures in soil health management, role of bio fertilizers, micro nutrient deficiencies in field and horticultural crops and correction measures, Drip fertigation in sugarcane and horticultural crops, nutrient management in field crops and mulberry etc. Dr.L.Prasanthi, ADR, RARS was the chief guest for the programme. Dr.MVS Naidu, Professor & Head, Dept of Soil Science, S.V.Ag college, Tirupati, Dr.R.Nagaraju, Principal Scientist & Head, Citrus Research Station, Tirupati, Dr.M.Ravindra Reddy, Scientist, RARS, Dr.Vajantha, Scientist, ARS, Perumallapalli and KVK scientist were the resource persons and about 51 farmers participated in the event.

- KVK has participated in virtual Annual Zonal Workshop of KVKs of Zone X from 6<sup>th</sup> -8<sup>th</sup> July, 2021 conducted by ICAR –ATARI, Hyderabad. Sr.Scientist & Head presented work done report for the year 2020 and KVK has received ‘Certificate of Appreciation’ in six categories viz ‘Best Annual Report’, ‘Best Demonstration Units’, ‘Best Extension activities’, ‘Best Programme – Swachhta Seva’ and ‘Best Projects – CFLD Oilseeds and Pulses’ from, ATARI, Hyderabad.
- KVK has organized ICAR foundation Day (16.07.2021) and webcasted inaugural programme of ICAR in which Union Minister for Agriculture and farmers welfare, DG, DDG, ICAR, ATARI directors were participated. On this occasion planted 130 white sandal and 20 fruit plants at KVK farm as a part of National Plantation Drive. Also conducted virtual training programme on “Postharvest management practice in Mango” for which Dr.B.Sreenivasulu, DE, Dr.Y.S.R.H.U and Dr.R.Nagaraju, PS and Head, CRS, Tirupati were attended as chief guests. SMS, Horticulture presented about practices to be followed in mango after harvesting.
- RASS –KVK has prepared success stories of 110 farmers under Doubling of farmer’s income both in PowerPoint and word format and submitted to ATARI, Hyderabad.
- KVK has participated in ‘Dr.YSR Rythu Bharosa Chaitanya Yatralu’ in different divisions along with agri and allied sector officials organized by Dept of Agriculture from 09-23 July 2021 and explained about KVK interventions/activities and management practices in different crops to farmers.
- KVK has participated in ‘Rythu Dinotsavam’ at Tirupati Rural, Renigunta and YV Palem mandals organized by Dept of Agriculture (08.07.2021).
- KVK has conducted one day awareness cum demonstration programme for farmers on “Usage of Drones in Agriculture” with the support of Garuda Aerospace Private Limited, Chennai on 23.08.2021. Sri. C. Mallikarjunaiah, Deputy Director, Agriculture, Chittoor was the Chief Guest of the event. Scientists of RARS, Tirupati Dr. C.Ramana, Dr. Chendrayudu, Dr.Vijaya Bhaskara Reddy, Dr. Devaki, Scientists of RASS-KVK, Officials from Department of Agriculture, 74 Agricultural Students and 32 farmer & farm women were attended the programme.
- KVK has conducted “One day awareness programme on Food and nutrition to the farmers” on 26.08.2021 at Bramhanapattu Village of Tirupati Rural mandal. Created awareness about Biofortified crops and their importance, Nutrigardens, terrace gardening and methods to elimination of malnutrition in farmer and farm women etc. Village sarpanch, High school head master, KVK scientists, village volunteers and 81 farmers were participated in the event.
- KVK has conducted Parthenium awareness programme on 18.08.2021 at Aadareddivaripalli of vedurukuppam mandal. Created awareness about harmful effects of Parthenium and methods of control.

- KVK has conducted ***“Poshan Vatika Maha Abhiyan and tree plantation Drive”*** to farmers, farm women, rural girls and Anganwaadi workers on 17.09.2021. KVK has telecasted live address of Sri Narendra Singh Thomar, Hon’able union minister for Agriculture and farmer welfare from inauguration of “Nutri-Cereals Multi-stakeholders’ Mega Convention 3.0” organized by IIMR, Hyderabad. KVK has created awareness about bio fortified crops, nutrigardens, terrace gardening, value addition and its importance to the farmers. KVK has supplied "vegetable seed kits" required for kitchen garden was distributed to the participants with the support of Indian Fertilizer and Farmer Cooperative Society (IFFCO). KVK also supplied ‘Saraka asoca’ and ‘lemon grass’ saplings to participants. Plantation drive was conducted at KVK farm after the programme. Dr. Aruna, Professor, Dept. of Home Science, Sri Padmavathi Mahila University, Tirupati, Smt. Sudharani, CDPO, Tirupati, KVK Scientists, 137 farmers and farm women, 27 rural girls and agricultural students were participated in the programme.
- KVK has conducted ***“Farmers Scientists interface on Climate Resilient Varieties, Technologies and Practices”*** at Sirinambuduru village of Satyavedu Mandal on 28.09.2021. Arranged live telecast of Hon`ble PM Sri Narendra Modi address and interaction with farmers from different states on climate resilient farming. KVK has created awareness on climate resilient farming practices, pest and disease resistant varieties, soil health management, soil water conservation techniques, rain water harvesting, in situ and exsitu moisture conservation and climate smart agriculture. KVK scientists, Mandal Agriculture Officer, MPTC, village Sarpanch, village secretariat staff, village volunteer and 125 farmers were participated in the programme..
- KVK has organized training programme on ‘Integrated Crop Management in paddy’ at Matherimitta village, Varadaiahpalem mandal under SC sub Plan with the support of ICAR-IIRR and supplied paddy seed to 75 farmers for conducting demonstrations on ‘ICM in paddy’. Sr.Scientist & Head, SMS, Agronomy, DDA, FTC/DRC, Chittoor, AD, Sri Kalahasthi, AO, Varadaiahpalem, VAAs, Sarpanch and farmers were participated. Later demonstrated sowing of paddy using tractor drawn seed drill followed by pre emergence application of weedicide (13.09.21).
- SMS, Sericulture participated in the five days training programme on ‘Convergence in Sericulture Extension Training with ICAR KVKs’ from 13.09.2021 to 17.09.2021 at CSR&TI, Mysore.

- KVK has conducted *week long (04-10 October 21) skill training for rural youth on “Integrated Pest Management in Crops”* at KVK with the support of ATMA, Chittoor. DDA, FTC/DRC, Chittoor was the chief guest for the inaugural programme. Presentations on IPM practices in paddy, groundnut, pulses, horticultural crops and mulberry and in silkworm rearing were delivered by scientists from RARS, KVK and Dept of agriculture. Live and practical demonstrations were conducted on preparation of different plant based products, vermicomposting, azolla, waste decomposer, installation pheromone traps, bird perches, seed treatment with bio fertilizers etc to inculcate knowledge and skills to the participants. Exposure visit was organized to the participants to RARS, Tirupati to expose on production of bio fertilizers, bio control agents and create awareness on latest farm machinery. Certificates were issued to the participants on the final day through hands of Project Director, ATMA, Chittoor.
- KVK has conducted *“Swachh Bharath Abhiyan program”* at KVK and at adopted villages from 02-31 October 21 and created awareness on cleanliness, sanitation, effective utilization of farm waste etc. among farmers, school children, college students and KVK staff.
- Sr.Scientist & Head participated in 3<sup>rd</sup> International Conference on ‘ Global Initiatives in Agricultural, Forestry and Applied Sciences’ at Shri Guru Ram Rai University, Dehradun (17-18 October 21), Uttarakhand jointly organized by Agricultural & Environmental Technology Development Society, Uttarakhand, Shri Guru Ram Rai University, Dehradun, Dept of Agronomy, Sher-e-Bangla Agricultural University, Bangladesh, Soil and Water Conservation Institute, Iran, Dept of Soil Science, University of Cukurova, Turkey, Faculty of Agro based Industry, University Malasia Kelantan, Malyasia, College of Horticulture, Yangtee University, China and Corteva Agri Science and presented paper on ‘Effect of polythene mulching on moisture conservation, weed control, yield and economics of tomato’. He also received “Best KVK Scientist Award” during the conference for outstanding contribution and recognition in the field of agronomy.
- KVK has participated in ‘Seed Day’ on 27.10.21 organized by RARS, Tirupati. Arranged exhibition stall with showcase of seed and seedlings of improved varieties in paddy, groundnut, pulses, horticultural crops and medicinal plants. Sri.T.Muralinath Reddy, Board member, ANGRAU, Dr.L.prasanthi, ADR, Dr.B.Ravindranath Reddy, AD, S.V.Ag College, Dr.K.Adilakshamma, AD, College of Veterinary Sciences, scientists, farmers, students visited our stall. About 15 farmers placed an indents for seed and seedlings.



- KVK has conducted 'Mahila Kisan Diwas' (15.10.21) at Mannasamudram village, Yerpedu mandal and created awareness on nutria gardens, value addition, income generating activities, drudgery reducing tools and implements etc to women farmers. All the participants were supplied with vegetable kits containing 13 varieties of vegetables and leafy vegetable seeds. SMS, Home Science, Horticulture and Agronomy were participated in the programme.
- KVK has organized 'World Food Day' (16.10.21) at Chintakalva village, Vadamalapet mandal with a theme 'Our actions are our future. Better production, better nutrition, better environment and better life'. SMS, Home Science explained about importance of nutrition in daily life, production of vegetables in organic means by establishing kitchen gardens in their backyards etc to women.
- KVK has conducted 121<sup>st</sup> birth anniversary of Prof. N.G Ranga on 07.11.2021 at KVK Vanasthali, Renigunta Mandal.KVK staff and agriculture polytechnic students paid tribute to Prof. N.G.Ranga.
- KVK has organized "National wide campaign with the theme of Agriculture and environment – The Citizen Face" for Students on 26.11.2021. Conducted drawing competition, Debate on role of students in environment protection and created awareness about Environment friendly farming methods. KVK staffs, RASS – KVK Agricultural Polytechnic staff and 46 students were participated in the programme.
- Senior Scientist and Head participated in "5<sup>th</sup> International Congress of Agronomy" organized by PJTSAU, Hyderabad from 23.11.2021 to 27.11.2021. Displayed Climate resilient technologies, Varieties and value added products in Exhibition stall arranged by ATARI, Zone X. Also released DVD on "Impact of climate Resilient Interventions in Chittoor District of Andhra Pradesh under NICRA by the hands of Dr.A.K.Singh, Honorable DDG, Agricultural Extension and Dr.J.V.Prasad, Director, ATARI, Zone X.
- KVK has Organized "World soil Day-2021" with the theme "Halt soil salanization and enhance the soil Production" at KVK premises on 5.12.2021. Participants were enlightened about importance of soil testing, green manures, bio fertilizers, nutrient management in field and Horticultural crops natural farming, medicinal plants etc. Supplied soil health cards, greengram and groundnut seed to farmers for conducting demonstrations in Nindra and Vadamalapeta mandals. Also conducted method demonstration on Preparation of Ghana Jeevamrutham and Drava Jeevamrutham. Sri M. Bhaskaraiah, DPM, APCNF, Chittoor, KVK scientists, staff, 46 Agrl polytechnic students and 52 farmers from different mandals were participated in the programme.



- KVK has conducted live webcasting of Honorable Prime Minister`s Address on Natural Farming from “National Summit on Agro and Food Processing” held at Gujarat on 16.12.2021. Also conducted method demonstration on presentation of Ghana Jeevamrutham and Drava Jeevamrutham. Sri Mallikarjunaiah, DDA,FTC, Chittoor, Smt. Pushpanjali, Smt Sasikala and Smt Sarala, District Resource Centre staff, Dr.S.Sreenivasulu, Sr.Scientist and Head, RASS – KVK, KVK Scientists, staff, 22 Agricultural Polytechnic Students, 74 farmers and farm women from different mandals were participated in the programme.
- KVK has organized National Campaigns on “Jai Kisan Jai Kisan” and Farmers day celebrations during 23<sup>rd</sup> -25<sup>th</sup> of December, 2021 at KVK and adopted villages. As a part of this farmers day celebrations were conducted on 23.12.2021 at KVK and RASS Head office Tirupati, Kisan Ghoshtis at adopted villages on 24<sup>th</sup> and 25<sup>th</sup>, December, 21. Farmers were enlightened about KVK activities, Latest farming technologies, soil testing, natural farming, soil and water conservation measures, production technologies of Sunflower and Sesame, Nutrigardens, Importance of medicinal plants and income generation activities foe farm women. Supplied KBSH-53 and NDSH-1012 sunflower and YLM-66 sesame seed to farmers for conducting CFLDs under NFSM. Also supplied medicinal plants. KVK staff, 42 Agricultural polytechnic students, 75 farmers from Nagari and Puttur mandals were participated in the programme.
- KVK has conducted 13 “Agriculture workshops on Fuel conservation in agriculture” with the support of Petroleum Conservation Research Association (PCRA), Ministry of petroleum and natural gas, Govt. of India. Created awareness about measures to be taken for Fuel conservation while using farm machinery like irrigation pumps, tractors, weeders, other farm machinery equipments. The programme details as follows:
  - KVK has hosted Exposure visit of 40 input dealers under DAESI Programme on 09.12.2021. Explained about KVK Activities and demo units at KVK farm.
  - KVK has hosted exposure visit of 42 farmers from Guntur behalf of “AWARD” NGO on 29.12.2021. Explained about KVK Activities and demo units at KVK farm.
  - SMS, Agricultural Extension participated in National Conference on “Transformation of Agricultural Extension – Strategies for Effective Reformation – TAESERE-2021” Organized by S.V.Agricultural College, Tirupati during 22<sup>nd</sup>-23<sup>rd</sup> December, 21. Also presented Research Paper on “Impact Assessment on Knowledge and Adoption of Soil Health Cards in Chittoor Dist of A.P”.