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25th

Mobile Biodiversity Festival:
Celebrating a Legacy of
Community-Led Agro-
Biodiversity

Training-cum-awareness
programme on the 'Protection
of Plant Varieties and
Farmer's Rights (PPVFR)

On February 28, 2025, DDS Krishi Vigyan Kendra, Zaheerabad, in collaboration with ICAR-ATARI, Hyderabad, and the Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), New Delhi, organized a Training-cum-Awareness Programme on Protection of Plant Varieties and Farmers' Rights (PPVFR).

(Cont... 2)

The 25th Mobile Biodiversity Festival, a month-long celebration of traditional farming wisdom and seed diversity, was inaugurated on January 14, 2025, at Waddi village, Nyalkalmandal. Organized jointly by DDS and KrishiVigyan Kendra (KVK), Sangareddy, the festival featured Dr.Shaik N. Meera, Director, ICAR-ATARI, Hyderabad, as the chief guest. He lauded women farmers for their vital role in conserving indigenous seeds and appreciated KVK's initiatives in promoting sustainable agricultural practices.

(Cont... 2)



562 Soil Samples analyzed & distributed Soil Health Cards to farmers with fertilizer recommendations across 05 mandals 22 villages



Contd....

Training-cum-awareness programme on the 'Protection of Plant Varieties and Farmer's Rights(PPVFR)

The event was graced by Dr. Trilochan Mohapatra, Chairperson, PPVFRA and Former DG, ICAR, as chief guest, along with Dr. D.K. Agrawal (Registrar, PPVFRA), Dr. Shaik N. Meera (Director, ICAR-ATARI) and scientists from ICAR-IIRR and ICAR-IIMR, Hyderabad.

Over 140 participants from 16 KVKs across Telangana and progressive farmers attended the event. A major highlight was the initiation of 100 farmer applications for registering traditional crop varieties, ensuring legal recognition under the PPVFR Act, 2001. Additionally, 23 farmers conserving indigenous seeds were felicitated for their contributions.

Dr. Mohapatra praised DDS women farmers for conserving over 40 traditional varieties, reinforcing the value of seed sovereignty and biodiversity. Experts emphasized the urgency of registering farmer varieties to protect against bio-piracy and preserve small grains for sustainable and organic farming. Dr. Meera advocated for the compulsory registration of traditional crops and acknowledged the role of KVKs in promoting farmer rights.

This landmark event marked a vital step towards empowering farmers, safeguarding indigenous seeds, and promoting community-led conservation efforts in Telangana.



Contd....

25th Mobile Biodiversity Festival: Celebrating a Legacy of Community-Led Agro-Biodiversity

This unique, travelling festival served as a participatory extension model, combining folk media, bullock cart seed processions, and biodiversity exhibitions to spread awareness on climate - resilient crops, seed sovereignty and sustainable agriculture. Each day, a KVK Subject Matter Specialist (SMS) joined the village - level events for 21 days, addressing farmers on scientific advisories, crop biodiversity and available technologies.

The grand closing ceremony was held on February 11, 2025, at Machnoor village, graced by dignitaries including NBPGR Former Head Dr. Sharath Babu, Rtd. Principal Scientist Dr. Somavarla, Ex-MLC Sri. Ramulu Naik, Member, Telangana State Agriculture & Farmers Welfare Commission, Mrs. Bhavani Reddy and trainee collector Mr. Manoj. Thousands of farmers participated in the vibrant concluding event marked by cultural programs, public dialogues, and community feasts.

Commemorating 25 years of this grassroots movement, the festival stood as a powerful example of how community-led extension can uphold biodiversity, strengthen traditional knowledge, and promote agro ecological sustainability.

Integrated Support for SC Farmers: Training, Inputs, and Livelihood Promotion at DDS KVK

On March 27, 2025, DDS Krishi Vigyan Kendra, Zaheerabad, in collaboration with ICAR-IIMR's Global Centre of Excellence, organized a Training-cum-Input Distribution Programme under the Scheduled Caste Sub Plan (SCSP). The event aimed to promote sustainable agriculture and improve the livelihoods of SC farmers.

Attended by 70 farmers from across Sangareddy district, the programme featured officials from the Agriculture Department and SC Corporation. Officials like District Agriculture Officer Shri. K. Shiva Prasad and ADA Shri. Bikshapathi stressed the importance of natural and scientific farming for sustainable growth. SC Corporation ED Shri. Rama Chary highlighted schemes like Rajiv Yuva Vikas offering subsidies for livestock and farm equipment.



Key highlights included training on organic farming, scientific crop practices, and livestock-based livelihoods. Farmers received seeds of red gram, Bengal gram, sorghum, onion bulbs, vegetable seedlings, and sugarcane setts, alongside tarpaulin covers and sprayers for post-harvest use. Inputs distributed included Panchagavya, Jeevamrutam, bio-control agents, neem products, farm tools, quality seeds, and planting materials. One-month-old chicks and goats were also provided to promote poultry and goat farming.

The programme focused on enhancing agricultural productivity, promoting crop diversity, and encouraging eco-friendly pest management through the use of bio-fertilizers and natural inputs. By integrating training with input support, the event empowered SC farmers with both knowledge and resources for long-term resilience. The initiative, covering 11 villages, strengthened DDS KVK's commitment to the socio-economic empowerment of SC farmers.

Extension Personnel Training on Nutrition-Sensitive Agriculture for Anganwadi Workers



On 7th January 2025, a training program titled "Nutrition at the Forefront: Equipping Extension Personnel with Nutrition-Sensitive Agricultural Strategies" was conducted at Rythu Vedika, Ranjhole, Zaheerabad, for 75 Anganwadi teachers. Led by Dr. Sai Priyanka Pagadala, SMS-Agricultural Extension, DDS-KVK, the session focused on Poshan Vatikas for promoting kitchen gardening to enhance household and ICDS centre nutrition. Topics included site and crop selection, watering, manuring, garden layout, garbage enzyme preparation, and the nutritional value of vegetables. The event emphasized sustainable, plant-based nutrition strategies. Officials from ICDS, including the District Welfare Officer and CDPO, also participated.

Extension Personnel Training on Advanced Reproductive Technologies in Livestock



DDS-KVK Zaheerabad organized a one-day capacity-building program on 5th February 2025 for animal husbandry professionals, focusing on Advanced Reproductive Technologies to Enhance Livestock Productivity. Led by Dr. Kailash, SMS Animal Husbandry was attended by a total of 34 participants (4 VAS, 15 Para-vets, 15 Gopalamitras). Sessions covered Artificial Insemination, sex-sorted semen, estrus synchronization protocols, infertility management, and emerging tools like hormonal therapy and gene editing. The program aimed to boost reproductive efficiency and livestock performance. Veterinary Officers Dr. Sunil Dath, Dr. Harshavardan, Dr. Azinkya, and Dr. Ganesh attended the event.

Super yields in Onion: The 'Bhima Super' story



On April 21, 2025, DDS Krishi Vigyan Kendra, Zaheerabad, organized a Farmers' Field Day at Smt. Mogulamma's farm in Potpally village, Jharasangam Mandal, to showcase the performance of the Bhima Super onion variety and demonstrate an onion detopper machine. Attended by 60 participants, the event highlighted Bhima Super's superior traits like larger bulb size, better shelf life, and higher yield under organic conditions, with yields increasing from 256 to 296 quintals/ha. SMS (Horticulture) Mrs. Shailaja Gogu detailed explained the four-year journey of Bhima Super under KVK interventions—from On-Farm Testing (OFT) to Frontline Demonstrations (FLD). SMS (Agricultural Extension) Dr. Sai Priyanka demonstrated the onion detopper to reduce drudgery, especially for women, while SMS (Plant Protection) Dr. Snehalatha shared IPM practices for onion pests, and SMS (Animal Husbandry) Dr. Kailash gave advisory on goat health in summer. The event emphasized the role of women in technology adoption and concluded with an interactive session and community lunch.

Sorghum after Cotton: Field Day Highlights Crop Sequencing Benefits



DDS-KVK, Medak-1 conducted a Front Line Demonstration (FLD) across five villages—Potpally, Nagoor K, Nagoor B, Bidekanna, and Huggelli—to promote sorghum cultivation as a sequence crop following cotton termination. To further strengthen the initiative, a Field Day was organized on March 12, 2025, at Nagoor K village with the participation of 48 farmers. Mr V. Ramesh, SMS (Agronomy), explained the advantages of growing sorghum after cotton, highlighting its ability to improve soil health, suppress weeds, and enhance yield stability under limited irrigation. The FLD results were promising, with a yield of 9.2 quintals per acre and a net income of ₹28,280 per acre, proving sorghum to be a sustainable and profitable choice for post-cotton cultivation. The demonstrated variety, SVT-55, is tolerant to shoot fly and fall armyworm, moderately resistant to charcoal rot, and suited to Rabi conditions in black soils.

Celebrating Women’s Strength: International Women’s Day at DDS-KVK



DDS Krishi Vigyan Kendra, Zaheerabad, in collaboration with NABARD, celebrated International Women’s Day with great enthusiasm. The event was graced by prominent dignitaries including Smt. Nirmala Jagga Reddy (Chairperson, TGIIC), Shri N. UdayBhaskar (CGM, NABARD), Shri Rajendra Prasad (Director, RSETI), and Smt. Kalpana (Sakhi). The guests addressed the gathering, highlighting the significance of the Women’s Day theme and the need for women’s empowerment in rural areas especially in education and entrepreneurship. Smt. Nirmala Jagga Reddy inaugurated the SHG women’s stalls, where entrepreneurs from different regions showcased their products. Eight outstanding women were felicitated for their contributions across various fields. Fun games were also organized for rural women, with prizes distributed to the winners, making the celebration lively and memorable.

Sowing Sovereignty: International Seed Day Celebrated at DDS-KVK

DDS-KVK, Zaheerabad, commemorated International Seed Day at DDS Office, Pastapur, with the active participation of 80 Sangham women. The event highlighted the significance of indigenous seed conservation and community-led seed sovereignty. Sangham women shared their practices in conserving rainfed Kharif and Rabi crop seeds focusing on traditional seed systems, community seed banks, and generational knowledge transfer. The session also included a review of seed stocks maintained by each village Sangham, followed by the finalization of a prize list for the best-performing groups based on seed quality, diversity, and quantity. The event reinforced the role of women in sustaining agricultural biodiversity and preserving traditional seed wisdom.



Poshan Pakhwada Celebrated to Promote Nutrition during first 1000 days

DDS-KVK, in collaboration with the Department of Women and Child Welfare, organized *Poshan Pakhwada* at the Zaheerabad Municipal Office with the participation of 200 women, including Anganwadi teachers and pregnant women.

Mrs. M. Hemalatha, SMS (Home Science), highlighted the critical role of nutrition during the first 1000 days of a child's life, emphasizing the importance of breastfeeding, understanding the difference between fore milk and hind milk, and the need for a balanced diet to combat malnutrition and hidden hunger.

Dr. Sai Priyanka, SMS (Agricultural Extension), educated participants on establishing *Poshan Vatikas* (Nutri-kitchen gardens) at Anganwadi centres using organic methods. To promote dietary diversity, Nutri-garden kits were distributed to centres with available backyard space, encouraging homestead vegetable cultivation for improved community nutrition.



Skill Training on Dyeing & Printing Techniques for Rural Women

A two-day skill training program on "Designing through Dyeing and Printing" was conducted by Mrs. Hemalatha, SMS Home Science at DDS – KVK for 30 women from Zaheerabad, Jharasangam, and Mahindra Colony. Participants were introduced to various tie & dye techniques such as Bandhani, Lahariya, bundling, horizontal, vertical, diagonal pleating, crumpling, and spiral methods. Training focused on fabric printing methods, including mono-colour and dual-colour printing. Participants were given hands-on experience in all techniques. The program concluded with positive feedback from trainees.

Promoting One Health: Combating Antimicrobial Resistance (AMR) through Better Livestock Practices



A two-day training program on “*Improving Animal Health Practices of Veterinarians and Livestock Farmers to Contain Antimicrobial Resistance and Promote One Health*” was organized on 8th and 9th April 2025 at DDS-KVK, Zaheerabad, in collaboration with PVNRTVU, KVK Mamnoor, and Sathguru Management Consultants. The program aimed to enhance awareness on the growing threat of AMR and promote responsible antibiotic use among 50 participating livestock farmers. The event was inaugurated by Dr. N. Rajanna, PC & Head, KVK Mamnoor, in the presence of dignitaries. Expert sessions were conducted by Dr. Vamshi Krishna (Dept. of Microbiology, CVSc, Mamnoor), Dr. V.V.V. Amruth Kumar (Dept. of Veterinary Medicine, CVSc), and Dr. M. Kailash, SMS, Animal Science, who covered topics such as farm-level Antibiotic management, Biosecurity, and the One Health concept linking human, animal, and environmental health. Dr. M. Kishan Kumar, Director of Extension, PVNRTVU, graced the valedictory as Chief Guest and distributed certificates. Practical demonstrations on Mastitis detection (CMT and strip cup tests), use of herbal alternatives like Herabolact, and interactive sessions on gender sensitization were conducted by Dr. J. Sai Kiran and Mrs. Hemalatha, SMS Home Science. The training received positive feedback, with participants expressing a readiness to adopt sustainable animal health practices. The event successfully reinforced the need for a One Health approach and responsible antibiotic use to combat AMR in rural livestock systems.

Millet Value Addition Training with Exposure Visit to Processing Incubation Centre



To promote nutritional security and rural entrepreneurship, Mrs. Hemalatha, SMS Home Science at DDS-KVK organized a training program on "Value Addition of Millets" under the ICAR-IIMR SC Sub Plan. Thirty women from villages like Algole, Bilapur, Raipally Thanda, Ranjole, and Zaheerabad participated. The training focused on the nutritional benefits of millets and included hands-on preparation of ready-to-eat and ready-to-cook millet products. An exposure visit to the Millet Processing Incubation Centre (PJ TSAU) provided insights into millet processing technologies and enterprise opportunities.

Scientific Beekeeping Training Empowers SC Farmers

A four-day training on Scientific Beekeeping was conducted by Dr. Snehalatha, SMS Plant protection at DDS KVK under the SCSP programme from 29th Jan to 1st Feb 2025, with 15 participants. The training covered bee species, pollination benefits, hive management, and honey extraction. Practical sessions and an exposure visit to NIRD-RTP enhanced understanding of schemes, marketing, and pest control. Post-training, one participant initiated beekeeping for sunflower pollination, and another started local honey sales, reflecting early adoption and impact.



Skill Training on Scientific Management of Goats & Sheep

A skill training program on the scientific management of goats and sheep was conducted on 16th April at Pastapur, with 35 women participants. The session focused on the crucial role women play in goat and sheep rearing, covering various aspects like breed identification, housing management, income sources, and marketing. The training also highlighted seasonal diseases and the application of ethno-veterinary practices. Dr. Kailash Madne, SMS - Animal Husbandry, led the program, aiming to empower women with knowledge and skills to enhance livestock management and improve their livelihood opportunities.



Field Diagnostic Visits Enhance Crop Protection across Villages

Field diagnostic visits were conducted by Dr. Snehalatha, SMS Plant protection in multiple villages to address pest and disease issues in crops like muskmelon, watermelon, cabbage, garlic, coconut, sapota, papaya, and rice.



Farmers were advised on suitable IPM measures including sticky traps, neem oil, Bt, insecticide sprays, and cultural practices. Drone-based organic spraying using cow urine was demonstrated in papaya fields at Babanagar. An FLD planning survey on IPDM in rice was conducted in Nizampur to tackle pest and nutrient issues. The visits provided timely advisories, boosting farmer awareness and crop health.

FLD on Pinworm Management in Tomato

A field diagnostic visit was conducted by Dr. Snehalatha, SMS Plant protection at Gumadidala village, Patancheru Division, to assess pinworm incidence in tomato under FLD across 4 ha. The crop, at flowering and fruiting stages, showed a 25% reduction in pest incidence following the use of pheromone traps (12/acre), sticky traps (8/acre), Tricho cards, neem oil (10000 ppm @ 2 ml/L), and Metarhizium (@ 5 ml/L). Farmers were advised to replace lures and reapply Metarhizium.



On-Farm Trial:

Assessment of High-Yielding Bengal Gram Variety NBeG-776

An On-Farm Trial (OFT-1) was conducted by Mr. Ramesh, SMS Agronomy in Bidekanna, Raikode, and Gousabad villages with five farmers to evaluate the performance of the high-yielding Bengal gram variety NBeG-776. The variety demonstrated an average yield of 6.8 quintals per acre, resistance to Fusarium wilt, and suitability for machine harvesting. The trial confirmed NBeG-776 as an ideal choice for Telangana, Andhra Pradesh, and other South Indian regions, offering enhanced productivity and reduced labor requirements.



CFLD on Safflower:

Enhancing Productivity through Integrated Crop Management

Under the National Food Security Mission on Oilseeds (NFSM), Cluster Frontline Demonstrations (CFLDs) on safflower were conducted in four villages: Mamidigi, Yedakulapally, Godegarpalle, and Rejinthal, covering 100 acres and engaging 100 farmers. The demonstrations focused on improved practices such as seed treatment, integrated nutrient management (INM), and integrated pest management (IPM). These efforts aim to boost safflower productivity, reduce input costs, and promote sustainable farming practices, contributing to national food security and empowering farmers with scientific knowledge for better yields.



Training Program on Awareness for Establishing FPOs for Collective Marketing of Small and Marginal Farmers

Awareness cum training programs were conducted one at Mamidigi village, Nyalkal mandal and Siddhapur village, Kohir mandal to create awareness among small and marginal farmers on the importance of Farmer Producer Organizations (FPOs) for strengthening collective marketing and improving farm incomes. A total of 58 farmers participated in the program. The sessions, facilitated by Dr. Sai Priyanka Pagadala, SMS (Agricultural Extension) focused on marketing challenges such as price fluctuations, limited bargaining power, and lack of organized market access and special emphasis on women FPOs.



Farmers engaged in a discussion to identify key marketing constraints and explored solutions through collective action. Information on the formation, functioning, and benefits of FPOs was provided, highlighting how collective marketing can help farmers obtain better prices and access wider markets

Rythu Sadassu cum Agricultural Exhibition



A Rythu Sadassu was organized at DDS–KVK, Zaheerabad with the School of Agriculture, Malla Reddy University. The programme was coordinated by Dr. Sai Priyanka, SMS (Agricultural Extension), where agricultural students presented demonstrations on innovative agricultural technologies for farmers. The programme facilitated as interaction forum between scientists, extension personnel, and farmers, encouraging the adoption of sustainable agricultural practices. Officials participated in the programme include Dr. Raja Reddy, Dean, School of Agriculture, Malla Reddy University; Mr. Bikshapathi, Assistant Director of Agriculture, Zaheerabad; Dr. Fatima Tabassum, Scientist, Agricultural Research Station, Basanthpur; Dr. Divya Veluguri, Executive Director, DDS; Dr. Varaprasad, Senior Scientist & Head, DDS–KVK; and Agricultural Officers N. Lavanya and Hassanuddin. The session emphasized the importance of adopting climate-resilient cropping practices, modern technologies, and cost-effective farming methods to improve farm profitability. Technical guidance was also provided on the identification and integrated management of root rot disease in sugarcane, along with discussions on rabi crop management, pest, and disease control practices.

Live Web Telecast of PM-KISAN 19th Installment Release



A live web telecast of the release of the 19th installment under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme was organized at KVK, Zaheerabad. Women farmers participated in the session where the programme was broadcast live, highlighting the release of financial assistance to eligible farmers under the scheme. Dr. Sai Priyanka, SMS (Agricultural Extension), facilitated the session by translating the key messages of the programme into Telugu and explaining the importance of the PM-KISAN scheme. Awareness was also created among farmers about the installment release, eligibility, and the effective utilization of the financial support for agricultural activities.

Resource person at Southern India Regional Consultation on Indian Voluntary National Review (IVNR) 2025



The Southern India Regional Consultation on the Indian Voluntary National Review (VNR) 2025 was organized at MANAGE, Hyderabad, jointly by FAO and the Revitalising Rainfed Agriculture Network, comprising WASSAN India, CoFTI, National Coalition on Natural Farming, and Welthungerhilfe. The consultation brought together experts, farmers, and representatives from voluntary organizations across Kerala, Karnataka, Tamil Nadu, Andhra Pradesh, and Telangana to discuss regional experiences related to rainfed agriculture and progress toward Sustainable Development Goals (SDGs). Dr. Sai Priyanka, SMS - Agricultural Extension, participated in the consultation as a resource person and shared insights on the agricultural scenario in Telangana, highlighting challenges faced by small and marginal farmers in rainfed regions. The discussion also focused on the progress of SDGs, farmer livelihoods, and sustainable agricultural practices. The session highlighted the role of community-led initiatives in strengthening resilient farming systems and improving livelihoods in rainfed areas. The discussion emphasized the contributions of community-based organizations, including the Deccan Development Society (DDS), in promoting sustainable agriculture and empowering small farmers through innovative, community-driven approaches in rainfed regions.

Participation in IIMR Industry Meet and Millet Exhibition

The Indian Institute of Millets Research (IIMR) organized a two-day Industry Meet at the PJTSAU campus, Hyderabad, bringing together millet growers, entrepreneurs, technical groups, and stakeholders from across India to promote millet-based enterprises and technologies. During the event, an exhibition was organized showcasing millet innovations and value-added products.



Dr. Sai Priyanka, SMS (Agricultural Extension), facilitated the exhibition stall representing the DDS KVK, along with participation from other KVKs. The stall displayed various millet value-added products and technologies promoting millet cultivation and utilization. The exhibition attracted several farmers, officials, and stakeholders. Dignitaries including the Union Minister of State for Agriculture Shri Bhagirath Choudhary and the Director of IIMR visited the stall and appreciated the initiatives for millet promotion. The stall was recognized for its excellence and secured first place among the exhibition stalls.

OFT on Biological Control of Wilt in Bengal Gram



Bengal gram cultivation during rabi season is significantly affected by soil-borne wilt, leading to yield losses. An OFT was conducted in 5 ha to evaluate bio-control measures, including soil application of FYM/compost enriched with *Trichoderma viride*, seed treatment with *T. viride*, and spot drenching with *Pseudomonas fluorescens*. The trial recorded higher yield 15.5 q/ha compared to farmers practice 14.25 q/ha, along with higher gross returns in technology of Rs. 80,600 and that of farmer practice Rs. 74,100 and lower cost of cultivation. Net income and B:C ratio were also improved with Rs. 41,725/ha and 2.07 over farmers practice Rs. 29,400/ha and 1.66. Disease incidence was reduced to 16.47% in TO compared to 24.62% under farmers practice, demonstrating the effectiveness of biological control measures. Where the technology has reached to 540 farmers through various programmes like Training programme, demonstration and Annadatha video.

Survey for FLD on IPDM in Paddy



A survey was conducted at Nizampur village, Sadashivpet Division, to plan Front Line Demonstrations (FLD) on Integrated Pest and Disease Management (IPDM) in paddy. 15 Farmers reported major yield losses due to stem borer, neck blast, brown planthopper (BPH), and zinc deficiency. Key aspects such as seed procurement, weed management, and timely input application were discussed, and suitable management practices were finalized for implementation under the FLD programme.

Udyan Utsav 2025



An exposure visit to “Udyan Utsav 2025” was undertaken at Rashtrapati Nilayam, Bollaram, Hyderabad. The event showcased a wide range of horticultural crops, ornamental plants, landscaping designs, and innovative gardening practices. During the visit, participants observed diverse plant species, nutrient gardens, terrace gardening models, and sustainable horticultural techniques. The exhibition also highlighted the importance of nutrition, biodiversity conservation, and eco-friendly cultivation practices.

Front Line Demonstration (FLD) on Onion Detopper for Reducing Drudgery among Farm Women



A Front Line Demonstration (FLD) on the use of an onion detopper was conducted with a focus on reducing drudgery and improving work efficiency among farm women engaged in onion processing. Conventional onion detopping involves manual removal of leaves and roots, which is labour-intensive, time-consuming, and physically demanding. The introduced onion detopper is designed to remove leaves and roots efficiently with minimal damage to the bulbs. The machine operates on battery power for up to three hours on a full charge and uses rotating blades to cut foliage and roots effectively.

It is suitable for small and medium-sized onions and features two operating slots, allowing two individuals to work simultaneously, thereby improving labour efficiency. The demonstration showed a significant improvement in productivity, with the onion detopper processing 67 kg of onions per hour, compared to 48 kg per hour using traditional manual methods, indicating approximately 40 percent higher efficiency. The adoption of this technology contributed to saving time, reducing drudgery, and improving operational efficiency, making onion processing more feasible and productive for farm women.

Guest Lecture on precautions after flowering and fruit set in Mango

As part of the training program attended as a source person on Mango flower management and delivered precautions after flowering, suggested cultural practices that are proper irrigation and fertigation. And boron and Zn essential for flower retention and fruit set and reduce application particularly after flowering



FLD on Wild Boar Management in Sorghum

A Frontline Demonstration on wild boar management in sorghum was conducted by Dr. Snehalatha, SMS Plant protection in 5 ha across 12 farmer fields in Lachunayak Thanda and Nagawar villages. Technologies demonstrated included sound-emitting devices (110 dB), safflower bio-fencing (4 rows), and salt spray (10g/L, twice at weekly intervals). The demo plots showed a 20.37% yield increase (28.65 q/ha) with a net income of ₹72,685 and B:C ratio of 2.3, compared to 23.8 q/ha, ₹54,600, and B:C ratio of 2.0 in control plots.



Result Demonstration on Onion Detopper Highlights 33% Efficiency Gain

A result demonstration on the use of an onion detopper was conducted by Mrs. Hemalatha, SMS Home Science at Potpally village to compare its performance with traditional practices. The operation method, benefits, and time-saving aspects were explained. The detopper processed 67 kg of onions per hour, a 33% increase over the traditional rate of 48 kg/hr. The mechanized approach also reduced physical stress and improved work efficiency, showcasing its potential for large-scale onion processing.

FMD Vaccination Drive for Large Animals

A Foot and Mouth Disease (FMD) vaccination drive for large animals was organized on 22.04.2025 at Kashimpur and Ramnagar villages in Zaherabad Mandal, with 20 farmers participating. The program, conducted in collaboration with the State Animal Husbandry Department, aimed to prevent the spread of this highly contagious disease. A total of 100 animals were vaccinated with the FMD vaccine. The session also included an explanation about the disease's transmission and prevention methods. Dr. Kailash Madne, SMS Animal Husbandry, and Mr. Rohith (Veterinary Assistant) were involved in conducting the drive.



Soil Sampling Training

No. of Trainings on Soil Sampling	- 12
Collected soil samples	- 2261
Analysis soil samples	- 562
Soil Cards Distribution	- 562
Soil Samples Sent to Dr. Reddys for micronutrient test and microbial count	- 1920



Meeting-cum-Training on HDPS Cotton Cultivation

A meeting-cum-training program on HDPS cotton was conducted at Peecheragadi village, Kohir Mandal, by DATTCO, Jogipet, with 150 farmers attending. DDS-KVK's Head and ADA Zaheerabad addressed the gathering, highlighting HDPS potential in Sangareddy. Technical sessions by KVK SMS Agronomy and Plant Protection focused on HDPS cotton practices and IPDM. Farmers shared challenges and received expert advice. ADA, AOs, AEOs, KVK staff, and local leaders actively participated.



Animal Fertility Camp with Focus on Sex-Sorted Semen

On 15.02.2025, Dr. Kailash Madne, SMS Animal Husbandry, conducted an Animal Health & Fertility Camp at Siddapur, Jharasangam Mandal, in collaboration with the local Veterinary Department. The program focused on the use of sex-sorted semen for improving milk production in milch animals. Activities included insemination with sex-sorted semen, deworming 20 calves, and vaccinating 30 cattle against FMD and 100 sheep and goats against sheep pox. Participants were also educated on the benefits of mineral mixtures for livestock, which were distributed during the camp.



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