

“From the Director's Desk”



It gives me immense pleasure to present the July 2026 edition of GoATech e-Times, highlighting a significant month of scientific accomplishments and stakeholder engagement at ICAR-CIRG. The celebration of our 47th Foundation Day as the 2nd National Goat Day reflected the Institute's continuing journey of excellence in goat research, innovation and farmer outreach. A major achievement was the certification of six ICAR-CIRG technologies, with Goat-Synch® recognised among ICAR's Best Technologies, further demonstrating our commitment to developing practical and impactful solutions for the goat sector. The month also witnessed the 130th National Training Programme on Scientific Goat Farming and several capacity-building initiatives for farmers, tribal communities and women beneficiaries, strengthening the dissemination of scientific goat production practices. An interactive session on AI-driven digital health and veterinary innovations further broadened our scientific outlook towards emerging approaches in animal healthcare. I sincerely appreciate the dedicated efforts of our scientists, staff, collaborators and farmers and hope this edition provides useful knowledge and inspiration to our readers.

With best wishes
Dr. Manish Kr. Chatli

HIGHLIGHTS

12 JULY 26
ICAR-CIRG Celebrates 47th Foundation Day as 2nd National Goat Day
ICAR-CIRG, Makhdoom, Mathura

ICAR-CIRG celebrated its 47th Foundation Day as the 2nd National Goat Day on 12th July 2026, showcasing the Institute's achievements in goat research, innovation, technology development and extension. The programme was inaugurated by Dr. Yashpal Singh Malik, Deputy Director General (Agricultural Education), ICAR, New Delhi, in the presence of distinguished guests, research and developmental organisations, scientists, officials, and farmers. The celebration commenced with a tree plantation drive, followed by the ceremonial lamp lighting and release of important Institute publications, including the Annual Report and CIRG at a Glance. Scientists, officers and staff also took a pledge to further strengthen research and innovation for advancing the goat sector.

Highlighting the Institute's progress, Dr. Manish Kumar Chatli, Director, ICAR-CIRG, stated that during the past year the Institute organised 34 training programmes including 10 national and 24 sponsored programmes, benefiting nearly 2,500 participants from 18 states. The Institute also secured seven patents, signed 11 MoUs, and commercialised seven technologies through partnerships with nine industries. He highlighted important initiatives in vaccines, herbal products, technology transfer, gene editing and the launch of 'Aja Pari' animal ambulance (Goat Vet on Wheels) to strengthen animal healthcare and extension services. He also emphasised the Institute's sustained contribution towards improved goat

“ICAR-CIRG innovative initiatives, including the hydroponic fodder unit, GoaTalk@CIRG podcast and Integrated Farming System are commendable. Young scientists should further strengthen research, innovation and technology development and translate scientific advancements into practical solutions for the benefit of farmers and livestock owners.”

— Dr. Yashpal Singh Malik, DDG (Agricultural Education), ICAR

breeds, nutrition, reproduction, disease management, farmers income enhancement and empowerment of women and Scheduled Caste and Scheduled Tribe communities.

The occasion also witnessed a mega plantation campaign in collaboration with the Social Forestry Division, Mathura, and a free health camp organised with the support of K.P. Institute of Medical Sciences, Agra. A goat farmers Self-Help Group in Bharatpur, Rajasthan, was also launched for technical collaboration. Scientists, staff, progressive goat farmers and representatives of collaborating organisations were felicitated for their outstanding contributions. The celebration highlighted ICAR-CIRG 47-year journey of scientific excellence and its continued commitment to sustainable, profitable and technology-driven goat farming.

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13 JULY 26 Empowering Farmers through Scientific Goat Farming: 130th National Training Programme
ICAR-CIRG, Makhdoom, Mathura

The 130th National Training Programme on Scientific Goat Farming was inaugurated at ICAR-CIRG, Makhdoom by Prof. S. P. Singh Baghel, Hon'ble Minister of State for Fisheries, Animal Husbandry & Dairying and Panchayati Raj. The programme witnessed participation of 108 trainees, including 98 men and 10 women from 14 states across the country. Addressing the participants, Prof. Baghel described the goat as the “poor farmer’s Kamdhenu”, highlighting its potential to strengthen farmers income and promote self-reliance. He also sensitised the participants about various government schemes for animal husbandry and emphasised



sustainable farming practices, including the “Save the Farm” campaign, use of nano urea and DAP, and conversion of animal dung into organic manure. He further stressed the need for strengthening veterinary healthcare facilities and interacted with farmers to understand the challenges faced in livestock rearing.

During his visit, the Hon'ble Minister also visited the Institute's hydroponic fodder unit, pellet feed plant, Integrated Farming System (IFS) model and Barbari goat farm, where he interacted with scientists and was briefed about the technologies and innovations being undertaken at ICAR-CIRG. The training programme, which concluded on 18th July 2026, provided participants with scientific knowledge and practical exposure to improved goat production and management practices, contributing towards productive, sustainable and income-oriented goat farming.



16 JULY 26 Two MoUs Signed by ICAR-CIRG on 98th ICAR Foundation Day
NASC Complex, Pusa

On the occasion of the 98th Foundation Day of ICAR, two Memoranda of Understanding (MoUs) involving ICAR-CIRG were signed at the NASC Complex, Pusa, New Delhi. The programme was graced by Shri Shivraj Singh Chouhan, Union Minister of Agriculture & Farmers Welfare and Rural Development, along with Shri Rajiv Ranjan Singh, Union Minister for Fisheries, Animal Husbandry & Dairying and Panchayati Raj; Shri Ramnath Thakur and Shri Bhagirath Choudhary, Ministers of State for Agriculture & Farmers Welfare; Prof. S. P. Singh Baghel, Minister of State for Fisheries, Animal Husbandry & Dairying and Panchayati Raj; Dr. M. L. Jat, Secretary, DARE and Director General, ICAR; and Shri Gyanendra D. Tripathi, Additional Secretary.

During the occasion, ICAR-CIRG signed an MoU with Deeva Essential for the development and promotion of goat whey soap, with emphasis on value addition and productive utilization of goat milk by-products. Another MoU was signed with Nissar Indian Goat Synch to strengthen collaboration in goat husbandry and allied activities. The partnerships mark an important step towards strengthening industry-institute linkages, technology transfer, value addition and commercialization of goat-based technologies. Addressing the gathering, Shri Shivraj Singh Chouhan described



scientific research as a national mission and urged scientists to make farmers aspirations their own mission and dedicate their efforts towards transforming Indian agriculture. He expressed confidence that collective scientific efforts would contribute towards realizing the vision of “Viksit Krishi and Samruddh Kisan” by 2047. Scientists, employees, students and members of the agricultural community from ICAR institutes, Krishi Vigyan Kendras and agricultural universities across the country also joined the Foundation Day programme virtually.

17 JULY 26 Interactive Session on AI-Driven Digital Health and Veterinary Innovations at ICAR-CIRG
ICAR-CIRG, Makhdoom, Mathura

ICAR-CIRG hosted Dr. Surjit Singh Makker, Professor of Practice, Bihar Animal Sciences University (BASU), Patna, and former Joint Director (Animal Husbandry), Government of Punjab, for an interactive lecture on AI-driven digital health and emerging innovations in veterinary healthcare. With more than three decades of experience in veterinary science and training in Advanced AI for Digital Health and Imaging from IISc, Bengaluru, Dr. Makker shared valuable insights on integrating artificial intelligence and digital technologies with veterinary healthcare. He highlighted the

potential applications of AI-based approaches in disease detection, health monitoring, diagnostic decision-making and timely veterinary interventions, and also discussed veterinary homeopathy and its possible integration with emerging digital health approaches to complement conventional veterinary practices.

The interactive session was attended by scientists, technical staff, young professionals and students of the Institute generated an engaging discussion on the application of AI-enabled tools and digital technologies in animal healthcare, particularly for improving goat health and productivity. The lecture highlighted the growing importance of integrating veterinary expertise, artificial intelligence, digital health technologies and innovative healthcare approaches for more efficient, accessible and sustainable livestock healthcare and improved animal productivity.



RESEARCH INSIGHTS

16 JUN 26 ICAR-CIRG's Goat-Synch® Recognised among ICAR's Best Technologies

NASC Complex, Pusa, New Delhi

ICAR-CIRG achieved a significant milestone with six of its technologies receiving certification from the Indian Council of Agricultural Research (ICAR) during its 98th Foundation Day celebrations. Among these, the Institute's Goat-Synch® Intravaginal Sponge Technology was recognised as one of the Best Technologies. Developed for estrus induction and synchronization in adult female goats, Goat-Synch® enables planned breeding within a predetermined period, facilitates kidding during favourable seasons and contributes to improved reproductive efficiency, reduced inter-kidding interval, efficient utilisation of farm resources and production of uniform age-group batches of kids. It will boost the

commercial goat production with planned marketing and as per seasonal requirements. Dr Manish Kumar Chatli, Director CIRG further emphasised that it will help to maintain the availability of goat milk throughout the year with proper planning.

The recognition reflects ICAR-CIRG continued emphasis on translating scientific research into field-applicable technologies for goat farmers. Of the certified technologies, three have already been successfully transferred and commercialised with industries, facilitating their large-scale production and wider adoption. The Institute continues to promote technology transfer and industry partnerships to ensure that innovations reach farmers, entrepreneurs and other stakeholders. These technological advancements are expected to contribute towards scientific goat farming, improved productivity and reproductive efficiency, enhanced farmers' income, and the development of goat farming as a profitable and sustainable enterprise.

EXTENSION ACTIVITIES

6 JULY 26 ICAR-CIRG Empowers ST Women Farmers through Training on Scientific Goat Farming

ICAR-CIRG, Makhdoom, Mathura

ICAR-CIRG, Makhdoom organised a training programme on Scientific Goat Farming for Scheduled Tribe (ST) women goat farmers from Bharatpur district of Rajasthan under DAPST with the objective of strengthening their knowledge and practical skills in scientific goat production and management for improved productivity and livelihood enhancement. The programme

included an exposure visit, practical demonstrations on pellet feed formulation and animal health management, along with interactive sessions on improved goat husbandry practices, providing participants hands-on exposure to scientific feeding, healthcare and management techniques for efficient goat production. Livestock-related inputs were also distributed among the beneficiaries to support the adoption of improved practices at the field level. A total of 29 ST women goat farmers participated in the programme, which significantly contributed to enhancing their technical capacity and promoting scientific goat farming as a sustainable livelihood option.



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Capacity Building of Tribal Farmers on Scientific Goat Farming under DAPST

Ullu Pura, Bhusawar, Bharatpur, Rajasthan

Under the Development Action Plan for Scheduled Tribes (DAPST), ICAR-CIRG organised a one-day capacity-building programme on Scientific Goat Farming at Village Ullu Pura, Block Bhusawar, District Bharatpur, Rajasthan, which was attended by 110 goat farmers, including 70 women and 40 men. The participants were sensitised on scientific goat husbandry practices with emphasis on improved feeding, health care and livestock



management for enhancing productivity and strengthening goat-based livelihoods, along with special focus on the effects of El Niño on livestock productivity and suitable mitigation strategies to reduce climate-related stress in goats. Farmers were also provided practical guidance on management interventions to maintain goat health and productivity under changing climatic conditions. As part of the programme, essential livestock-related inputs were distributed among the beneficiaries to support the adoption of improved practices, and the event also served as an interactive platform for farmers and technical experts to exchange knowledge and discuss field-level challenges in goat production.



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Three-Day Training-cum-Exposure Visit on Scientific Goat Farming Organised at ICAR-CIRG

ICAR-CIRG, Makhdoom, Mathura

A three-day Training-cum-Exposure Visit Programme on Scientific Goat Farming was organised at ICAR- CIRG, Makhdoom from 28-30 July, sponsored by the Animal Resource Development Department (ARDD), Government of Tripura. A total of 25 female trainees participated in the programme, which aimed to enhance their knowledge and practical skills in modern technologies and scientific practices for sustainable goat production. The training covered key aspects of goat husbandry, including scientific

breeding, feeding and nutrition, health management, housing, and improved production practices. During the exposure visit, participants visited the Institute's Barbari, Jamunapari and Jakhrana goat units, where they were familiarised with breed characteristics and breed-specific management practices. They also visited the hydroponic fodder unit, feed unit, and Goat Products Technology Laboratory to gain hands-on exposure to fodder production, feed formulation, and laboratory-based technologies. Interaction with scientists and technical experts further enriched their understanding, contributing to the strengthening of technical capacity and promotion of scientific, productive and sustainable goat farming practices.



August Advisory for Goat Farmers

- ✓ Give special care to pregnant and lactating goats and keep their sheds clean and dry during rainy season.
- ✓ Vaccinate goats against PPR and other prevalent diseases as per recommended schedule.
- ✓ Test pregnant goats for brucellosis and isolate infected animals.
- ✓ Feed dry roughage along with lush green fodder during the monsoon to prevent digestive problems.

Upcoming Trainings

- ✓ 132nd National Training Programme: 7th – 12th September 2026
- ✓ Training Course on "Feed-Fodder Production, Processing and Ration Formulations for Goats from: 14th – 18th September, 2026

For more details visit: www.cirg.res.in

GoaTalk @CIRG

Podcast Alert

Knowledge at Your Fingertips: Explore the latest Episodes

- #7: Hydroponic Fodder in Goat Diet
- #8: Government of India Schemes for Goat Farming
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