

You are cordially invited to attend

Industry Scientist – Farmer’s Interface- 2024 (March 5, 2024)



Goat - A Future Animal

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<http://cirg.res.in>

Organised By



ICAR-CENTRAL INSTITUTE FOR RESEARCH ON GOATS
MAKHDOOM, P.O. FARAH-281122, MATHURA (U.P.)



Prologue

Over the years, the landscape of goat husbandry has undergone a notable transformation, transitioning from extensive to more intensive rearing systems in response to escalating demands driven by population growth. Small ruminants, notably goats, play a pivotal role in ensuring livelihood security for marginal farmers in rural areas. According to the 20th Livestock Census of 2019, the goat population in the country has surged from 135.17 to 148.88 million between 2012 and 2019, marking a 10.14% increase over the previous census.

India has attained global prominence in goat-related metrics, ranking first in goat milk production (7.6 MT), second in goat meat production (1.41MT), and second in goat skin production. Despite higher slaughter rates and annual mortality, the goat population has sustained a growth rate of about 1.08% during the period from 2012 to 2019. Contributing approximately Rs. 1,17,000 crores annually to the national economy, goats and their products represent a significant portion, approximately 9%, of the total value of output from the livestock sector at current prices.

The burgeoning demand for livestock products reflects a multifaceted shift in consumer preferences driven by urbanization, heightened nutritional awareness, and increased consumption of functional foods. Consequently, goat husbandry has evolved from being perceived as a "poor man's cow" to a lucrative commercial venture, attracting qualified professionals to the sector. By leveraging improved veterinary care supported by healthcare technologies and vaccines, significant reductions in mortality and morbidity can be achieved, fostering optimal growth rates and productivity.

Moreover, the adoption of tailored technologies and package of practices (POPs) suited to the diverse geo-climatological zones of the country holds promise for enhancing the performance and productivity of goat farming, encompassing meat, milk, and hide production. To meet the escalating demand for goat and its derivatives, it is imperative to develop a visionary approach guided by best practices tailored to our farming systems. Increased adoption of ideal technologies and POPs stands to drive enhancements in farm productivity, ensuring the sector's sustainability amidst evolving market dynamics.

The Institute: Central Institute for Research on Goats

The ICAR-Central Institute for Research on Goats stands as a distinguished research institution under the Indian Council of Agricultural Research (ICAR), an autonomous body operating within the Department of Agricultural Research and Education under the purview of the Ministry of Agriculture, Government of India. Established on July 12th, 1979, our

institute was founded with a visionary goal: to elevate the status of the goat, often referred to as the "poor man's cow," into a cornerstone of livelihood security, poverty alleviation, and employment generation for small, marginal, and landless farmers.

Our mission is dedicated to the augmentation and sustainable enhancement of goat productivity in terms of meat, milk, and fiber. This mission is pursued through comprehensive research endeavors, extension activities, and human resource development initiatives. Strategically situated along NH-2 between Agra and Mathura, our institute enjoys a location of historical and cultural significance, with Agra renowned for the majestic Taj Mahal and Mathura celebrated as the birthplace of Lord Krishna.

Institute Technology Management Unit (ITMU)

The Institute Technology Management Unit (ITMU) plays a pivotal role within the institute's framework, facilitating the protection of Intellectual Property Rights (IPR) and the commercialization of technologies devised by the institute's innovators. Functioning as a central coordinating entity, ITMU actively fosters a culture of creativity and innovation throughout the institute. Its primary mission is to cultivate grassroots innovation, guiding inventors toward income generation through the development and protection of intellectual property.

With a focus on addressing agricultural challenges, the institute continuously endeavors to devise farmer-friendly technologies and products, persistently seeking novel solutions with commercial viability. Recent achievements include securing six patents, with several successfully transitioned into commercial ventures within the industry. ITMU is actively engaged in showcasing institute technologies across various platforms conducive to commercialization, including Scientist-Industry meets, National Trade Fairs, and gatherings of progressive farmers.

A cornerstone of ITMU's mandate is the comprehensive management of innovations within the realm of goat production, encompassing cataloging, validation, management, protection, and equitable sharing of benefits among innovators. Additionally, the unit organizes Farm Innovators Days to facilitate the dissemination of institute technologies and foster dialogue among grassroots innovators. Central to its operations is the maintenance of a robust database housing information on innovations and innovators expressing interest in the institute's technologies.

Technology Information centre (TIC)

In 2023, the establishment of a Technology Information Center (TIC) marked a pivotal moment for ICAR-CIRG, serving as a platform to highlight the institution's diverse technological advancements. Central to the TIC's offerings is a state-of-the-art touch kiosk equipped with the Android operating system, seamlessly integrated with the institute's portal. Visitors to the center gain access to a wealth of information regarding the institute's technologies, accompanied by a rich array of photos and videos depicting institute activities related to these innovations.

Comprehensive displays within the TIC encompass a wide spectrum of animal health technologies, including diagnostic kits for ailments such as brucellosis, paratuberculosis, and enterotoxemia. Additionally, visitors can explore herbal therapeutics, specialized feed and fodder formulations aimed at mitigating methane emissions, and solutions for managing coccidial infestations. Noteworthy prototypes showcased include moringa-based feed supplements tailored for dairy goats, as well as innovative weeding implements designed for moringa-based fodder cultivation.

The TIC also presents housing models optimized for goat rearing, including the two-tier housing system, alongside an assortment of livestock products ranging from value-added milk and meat technologies to retort pouch processed goat meat and paneer ready-to-eat preparations. Moreover, visitors can acquaint themselves with artificial insemination tools and equipment, semen dilution techniques, and protocols for estrus synchronization, alongside herbal formulations designed to enhance buck fertility.

This facility has emerged as a vital resource for farmers, dignitaries, professionals, and industry stakeholders alike, serving as an indispensable platform for showcasing the cutting-edge technologies developed by CIRG.

The Event: Industry Scientist – Farmer's Interface- 2024

The overarching theme of this event, aimed at showcasing institute technologies, revolves around "Technology Dissemination," with a primary objective of bridging the gap between farmers, livestock technologies, and the industry. The foundation of revenue and income generation lies in the deployment of need-based, application-oriented technologies tailored to the regional sensibilities of goat farmers and industry stakeholders. Central to fostering an entrepreneurial ecosystem is the development of technologies

that address the fundamental needs of various stakeholders, effectively tackling the key challenges faced by livestock keepers and entrepreneurs.

Significantly, the economic and monetary benefits accruing to stakeholders and end-users, particularly livestock farmers, play a crucial role in advancing sustainable goat production. With over 40 years of dedicated goat research, ICAR-CIRG is poised to present technologies meticulously refined over an extended period, showcasing the expertise and experience of inventors in the field. These technologies, earmarked for commercialization, are categorized into three distinct domains: production technology, goat meat/milk products technology, and drug & diagnostic technology.

The event promises to be an invaluable platform for enhancing goat productivity and income, facilitating productive interactions among a diverse array of stakeholders. Participants include scientists, policymakers, government officials, agribusiness & industry entrepreneurs, and non-governmental organizations (NGOs), alongside farmers. This convergence of stakeholders fosters a conducive environment for the exchange of knowledge and ideas, paving the way for innovation and best practices in goat production.

A similar event was conducted last year viz., 2023 and the interface meeting convened 32 industry professionals and 35 progressive farmers from 11 states. Dr. Manish Kumar Chatli, Director of ICAR-CIRG, underscored the current and future prospects of goat farming in India, emphasizing technology-driven production for economic stability and livestock sustainability. Dr. P.K. Shukla, Dean of the College of Veterinary Sciences, and Dr. Vikas Pathak, Director of Research, attended as chief guest and Guest of Honour, respectively. Two goat housing technologies were transferred to M/s Murthy Agro Traders, Villupuram, Tamil Nadu, including a plastic flooring-based two-tier housing model and mobile-hanging type goat feeders, facilitating urban goat farming. A panel discussion chaired by Dr. Manish Kumar Chatli addressed challenges in goat production, identifying key research areas for the future.

Drawing a wide spectrum of participants, including farmers, women farmers, entrepreneurs, goat owners, agribusiness professionals, start-up entrepreneurs, government officers, technocrats, researchers, extension workers, students, and rural youth from across the country, the event serves as a nexus for accessing the latest technologies, innovative ideas, and best practices in the realm of goat production. Notably, technologies, products, and germplasm will be showcased by numerous government and private organizations, enriching the breadth and depth of insights available at the event.

Highlights

- Industry-Farmers Interface
- Technology highlighting
- CIRG developed Commercial products and their advantages

- CIRG Technology display
- Sale of Value-Added Products and Publications
- Interaction with Industry stakeholders and farmer entrepreneurs

Programme

March 5, 2024 (Tuesday)

- Registration of farmers and industry stakeholders
- Technology briefing
- Inaugural session by the Chief Guest
- Release of technology pamphlets, brochures
- Farmers entrepreneurs- Scientists-industry Interaction
- Valedictory Session

Stall Booking

- For booking of stall, form is available in the office of Head, Extension Education and Socio-Economics Section (EE&SE), ICAR-CIRG, Makhdoom, Farah, Mathura-281122
- For further information regarding booking of stall contact: Dr. Mukesh Bhakat, Principal Scientist & Head, APR Division, Telephone: 9034462509, 0565-2970999
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