

CEDSI TIMES

Your Skilling Partner...

Ernakulam Milk Producers' Cooperative Urges Refrigeration for Milk Quality Assurance



Amidst escalating temperatures, the Ernakulam regional union of milk producers' cooperative has issued a vital advisory, urging both dealers and consumers to refrigerate milk to safeguard its quality.

Emphasizing consumer vigilance, the cooperative advises immediate boiling and usage if milk packets are not adequately chilled. Assuring consumers of stringent quality control measures, the cooperative underscores its meticulous handling of milk to maintain freshness and uphold standards.

Milk sourced from diverse locales undergoes processing using advanced technology to ensure optimal quality. The cooperative's proactive approach aims to uphold consumer trust while promoting the assurance of quality dairy products in the region.

Digital AI gun donated to TTD's dairy farm



The Bhakta Malla Reddy Global Foundation (BMRGF) has graciously donated a state-of-the-art digital artificial insemination (AI) gun to Tirumala Tirupati Devasthanams' (TTD) Sri Venkateswara Gosamrakshanasala.

Equipped with an integrated USB camera, the device ensures precise insemination, reducing the risk of cervix damage. Dr. Ramadevi Nimmanapalli of Pranjal Bio Private Limited lauded the innovation, citing its potential to elevate conception rates from 30% to 80-90%, mitigating the prevalent risks of internal bleeding in cattle.

The initiative reflects a harmonious blend of technological advancement and compassionate stewardship toward bovine welfare. With governmental and educational institutions embracing the technology, the donation underscores a transformative shift in cattle reproduction practices, fostering sustainable livestock management and agricultural development.

Ajooni Biotech Limited Secures Contract Agreement with NDDB



Ajooni Biotech Limited has inked a significant contract with the National Dairy Development Board (NDDB) Dairy Services, projecting a monthly revenue surge of Rs. 4 crore. The partnership entails supplying top-tier cattle feed and supplements, aimed at bolstering milk production and fostering sustainable livelihoods for dairy farmers.

NDDB's extensive network, spanning 170 million unions across 285 districts, underscores the pivotal role of this collaboration in India's dairy industry.

Ajooni Biotech, renowned for its animal health solutions, pledges to deliver superior products and tailored dietary programs, aiming to optimize livestock productivity and enhance farmers' income. With a keen focus on innovation and customer-centricity, Ajooni emerges as a formidable player poised for exponential growth in the livestock market.

India & Brazil plan certification to regularize trade of genetic material

India and Brazil have embarked on a collaborative effort to streamline the trade of genetic material, aiming to bolster livestock productivity in both nations. The initiative focuses on harmonizing certification systems, including veterinary standards, to facilitate bilateral trade and enhance technical cooperation in animal husbandry and agriculture.



Under the proposed 'integrated certificates,' authorized by the Food Safety and Standards Authority (FSSAI) and India's Ministry of Fisheries, Animal Husbandry, and Dairying, the process will simplify imports of genetic material, fish, pork meat, and related products. These certificates will amalgamate requirements for both animal health and food safety, promoting mutual recognition and equivalence.

Angelo de Queiroz Mauricio, agricultural attaché at Brazil's embassy in New Delhi, highlighted discussions on new certificates for bovine embryos, semen, and avian genetic materials. Brazil's provision of bull semen genetic material aims to augment Indian cattle productivity.

Efforts to ensure high productivity gains extend beyond genetic material, emphasizing the importance of good animal nutrition and management practices. India and Brazil are actively collaborating on technical cooperation projects in these areas.

The proposed integrated certificates aim to streamline bureaucratic procedures, facilitating efficient trade and promoting advancements in livestock productivity for both nations.

NABARD Clears the Air on Dairy Loan Yojana, Advocates for Accurate Information



Addressing recent concerns surrounding the NABARD Dairy Loan Yojana, the National Bank for Agriculture and Rural Development (NABARD) has issued a statement to provide clarity and ensure accurate understanding among stakeholders.

As a premier development finance institution focusing on rural development, NABARD underscores its role in providing financial assistance to various financial institutions and cooperatives, rather than directly to individual farmers.

The institution urges farmers and rural entrepreneurs to exercise caution and rely on authentic sources for information. Recognizing the importance of accurate details, NABARD directs individuals to its official website, www.nabard.org, for reliable information.

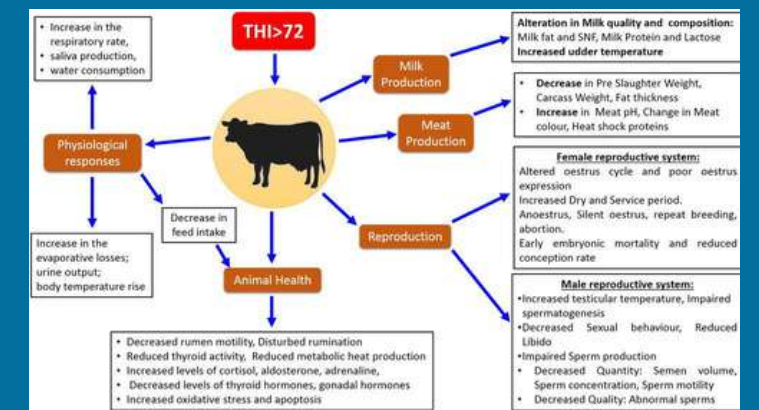
NABARD reiterates its steadfast commitment to rural development and agriculture, striving to enhance sustainable livelihoods through diverse initiatives and schemes. It calls upon stakeholders to collaborate in promoting accurate information dissemination and discouraging the spread of misinformation.

For further clarification or inquiries, stakeholders are encouraged to reach out to NABARD directly or visit the nearest office. NABARD remains dedicated to fostering rural prosperity and looks forward to continued cooperation with stakeholders in this shared mission.

CEDSI- Knowledge Section

Climate Change and Its Impact on Livestock in India: Challenges and way Forward

Climate change poses a significant threat to agriculture, affecting not only crops but also livestock, which forms an integral part of India's agricultural landscape. The impact of climate change on livestock can alter productivity, health, and the overall economic stability of farmers who depend on them.



The Impact of Rising Temperatures

India, characterized by its diverse climate zones, is witnessing rising temperatures and irregular monsoon patterns. These changes are particularly challenging for livestock management. High temperatures can lead to heat stress in animals such as cattle, goats, and poultry, which reduces their productivity in terms of milk yield, meat production, and reproduction rates.

For instance, a study published by the Indian Council of Agricultural Research indicated a decline in milk yield by 3 to 5 liters per day in crossbred cows due to heat stress. Additionally, the reproductive efficiency of livestock decreases, with increased calving intervals and reduced fertility rates.

Water Scarcity and Its Effects

Water scarcity is another significant impact of climate change affecting livestock. Animals require a substantial amount of water not only for drinking but also for cooling. In many parts of India, water sources are becoming increasingly scarce, particularly during the summer months, which can lead to severe dehydration in livestock, further exacerbating the stress caused by high temperatures.

The Threat of Disease: Climate change also influences the prevalence and spread of various livestock diseases. Warmer temperatures and increased humidity are conducive environments for parasites and pathogens. Diseases like foot and mouth disease, bluetongue, and theileriosis are becoming more common and are spreading to new regions, posing additional challenges for livestock health management.

Economic Implications: The economic implications of these changes are profound. According to a report by the National Bank for Agriculture and Rural Development (NABARD), the livestock sector contributes about 4.11% to India's GDP and 25.6% to the total agriculture GDP. Any impact on livestock due to climate change can, therefore, have ripple effects on the country's economy, affecting the livelihoods of millions of farmers.

Adaptive Measures and Future Strategies

To mitigate the impacts of climate change on livestock, several adaptive measures are necessary

Improving Livestock Breeds- Developing and promoting heat-tolerant livestock breeds can help in maintaining productivity under stressful conditions.

Enhanced Management Practices- Implementing better management practices such as modified feeding schedules, improved water resources, and adequate housing to protect animals from extreme weather.

Healthcare and Disease Prevention- Strengthening veterinary healthcare services to manage the increased risk of diseases and focusing on preventive measures.

Conclusion

The effects of climate change on livestock in India highlight the urgent need for comprehensive strategies to adapt and mitigate these impacts. Ensuring the sustainability of this sector is crucial not only for the economy but also for the food security and livelihood of millions of people across the country. Enhanced research, policy support, and investment in sustainable practices are essential to safeguard the future of livestock in India against the backdrop of an ever-changing climate.



Who are we

The **Centre of Excellence for Dairy Skills in India (CEDSI)** is working under “**Centre of Excellence for Agriculture Skills in India (CEASI)**” is an autonomous organization working under the aegis of “**Agriculture Skill Council of India (ASCI)**”, which is working under **Ministry of Skill Development & Entrepreneurship (MSDE)** for skilling and capacity building of farmers, wage workers, self-employed professionals, extension workers etc. engaged in organized and unorganized segments of Agriculture & Allied sectors.

CEASI is an apex organization of Centres of Excellence in various sub-sectors of agriculture viz.

- Centre of Excellence for Dairy Skills in India(CEDSI)
- Centre of Excellence for Horticulture Skills in India(CEHSI)
- Centre of Excellence for Farm Mechanization Skills in India(CEFMI)


CEDSI Membership will provide a unique platform for the industry leaders, policymakers, development practitioners, dairy scientists, researchers, students, and farmers to debate and discuss the issues of imminent importance to the dairy industry.





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Centre of Excellence for Dairy Skills in India

Join Our Membership Drive and Get Benefits of

- ✓ Platform to interact with other members in the sector
- ✓ Networking opportunities with corporate leaders and government authorities
- ✓ Special costs of training in Skill India Certified Programmes
- ✓ Access to our Journal and Publications
- ✓ Expert advice in day-to-day operations and management of livestock /farm productions
- ✓ Free registration on the job portal and regular updates on job vacancies in the sector
- ✓ Recognize your organization with CEDSI Yearly Awards and Recognition
- ✓ Chance to reach across the board through advertising in our press releases, news and articles
- ✓ Consultative and advisory services to help members
- ✓ Consulting and advisory services to help members
- ✓ Periodic e-newsletter for the latest news, govt. announcement and schemes in dairy sectors
- ✓ Updates on training programs of CEDSI and access to the training calendar

Who Can Become a Member -



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CEDSI : Reviving Skills and Generating Livelihood

Skill Training Programme for Farmers/ Students/ Entrepreneurs

- Dairy Farmer/ Entrepreneur
- Dairy Farm Supervisor
- Dairy Worker
- Animal Health Worker
- Artificial Insemination Technician
- Veterinary Field Assistant
- Veterinary Clinical Assistant
- Calf Rearing
- Farm Equipment Technician
- Dairy farm Economics and Management
- Industry Aligned Certification Programs (Unemployed Youth and Students)

FPO Oriented Training Programs

- FPO Member Orientation on Product Technology and Processes.
- FPO Market Linkage
- FPO Governance
- FPO Accounting

Flagship Skill Training Programme for Dairy Corporates and Cooperatives

- Chilling Plant Technician
- Bulk Milk Cooler Operator
- Village Level Milk Collection Centre Supervisor
- Milk Tester
- Green-house Gases Mitigation
- Milk Quality Assurance
- Milk Delivery Boy
- Milk Procurement & Input Supervisor
- Waste Management In Dairy Industry
- Feed And Fodder Management
- Clean Milk Production
- Decision Support System/ Data Analytics