



IDF World Dairy Summit 2024

The International Dairy Federation (IDF) World Dairy Summit 2024 took place in Paris-La Défense, France during October 15-18, 2024. The theme of the four days Summit was ' **Proudly Committed to a Sustainable World** '.

This year, at the IDF World Dairy Summit, global dairy community took a landmark step by endorsing the Paris Dairy Declaration, affirming its commitment to sustainability. Government representatives and Dairy Leaders from across geographies came together to sign and endorse the declaration led by the IDF and FAO Livestock. This important declaration aims to accelerate the global transformation of the dairy sector, focusing on enhancing livelihoods, environmental stewardship and achieving the Sustainable Development Goals.

Speaking at the Summit, Secretary Dept. of Animal Husbandry and Dairying, Ministry of FAHD and President, Indian National Committee of IDF, Ms. Alka Upadhyaya highlighted India's role in taking forward the global sustainability initiative with milk contributing 4% to India's economy and supporting over 80 million rural families. Ms. Upadhyaya emphasized India's focus on efficient, sustainable and farmer-remunerative dairying under White Revolution 2.0 empowering rural livelihoods.

She also participated in a session on "Moving forward on global dairy Sustainability" on the theme of "To Embrace Long Term Approaches/Public Private Partnerships/Public Policies/Incentives/Finance needed."

During the session, she emphasised on the importance of making the agricultural sector especially dairy farming more attractive & sustainable. Focus should be on training farmers so as to enable them to adopt the latest technologies and innovations. India has been conducting many pilots in the domain of renewable energy and now with support of private sector players, the process of the scaling up the interventions in the Biogas and Bio-CnG spectrum is being pursued.

Ms. Alka Upadhyaya also suggested creating a knowledge-based management system within the International Dairy Federation to share best practices.

She explained the importance of public-private partnerships, research, and ensuring that farmers are engaged from the beginning to avoid policy failures. She also mentioned the significant role of international organisations like IDF and FAO that are crucial players in supporting farmers and creating markets.



Secretary (AH&D), Ministry of FAHD, GoI; Chairman, NDDB with Newly Elected President-IDF & Former President-IDF; FAO Official; and Other IDF National Committee Members



Team IDA with Newly Elected President-IDF & Former President-IDF

Dr. Meenesh Shah, Chairman, NDDB and Member Secretary, Indian National Committee of IDF also joined the global dairy community including Government representatives and Dairy Leaders from across geographies to sign and endorse the declaration led by IDF and FAO Livestock.

Speaking on the occasion, Dr. Shah, highlighted India's remarkable dairy journey from achieving self-sufficiency to becoming the largest milk producer. He emphasised India's commitment to balancing development and sustainability by focusing on scientific nutrition, methane reduction, and renewable energy, aligning with the goal of 'Net-Zero GHG emissions' in dairying.

He further noted that in line with Paris Dairy Declaration, India has consistently advocated that sustainability efforts must protect the livelihoods of dairy farmers, who are central to the global dairy system, providing food to billions and jobs to millions.

By signing the "Paris Dairy Declaration on Sustainability", the global dairy sector will once again, after Rotterdam Dairy Declaration of 2016, express and emphasize the fact that dairy continues to be a part of the solution in effectively achieving the Sustainable Development Goals.

On the sidelines of the visit to attend the IDF Summit, an agreement was signed between IDMC Ltd. - a subsidiary of NDDB and a leading manufacturer of dairy equipments M/s Simon Freres – a French company which is a leading manufacturer of butter making & bulk butter packing plants globally. The agreement envisages to manufacture continuous butter making machines by IDMC Limited in India, which will lead to a reduction in the cost of machines benefitting the dairy sector in line

with the vision of AatmanirbharBharat.

The agreement was executed by Shri Rajkumar Malik, Executive Director, IDMC Ltd and Mr. Daniel Schmit, Managing Director, Simon Freres in presence of delegates from India including Ms. Alka Upadhyaya, Dr. Meenesh Shah, and Shri S. Regupathi, Executive Director, NDDB.

It was a proud moment for the Indian Dairy Association (IDA) team representing the Indian Dairy Sector led by Dr. R.S. Sodhi, President; Shri Arun Patil, Vice President; Dr. J.B. Prajapati, Chairman, IDA (WZ); Shri Rahul Saxena, Chairman, IDA (NZ); Shri C.P. Charles, IDA CEC Member representing IDA (SZ); Shri Sudhir Kumar Singh, Chairman, IDA (EZ); Shri B.V.K. Reddy, IDA CEC Member and CEO, Dodla Dairy; and Shri Ajit Patel, IDA CEC Member and MD, Everest Instruments.

Dr. R.S. Sodhi, President-IDA participated in the "Dairy Leaders' Forum on Sustainability" on October 18, 2024. On behalf of the IDA, he signed the "Dairy Declaration of Paris on Sustainability."

During the forum, Dr. Sodhi spoke on the theme of "The Strength of Collective Approaches on Sustainability" with reference to India. He highlighted how India's dairy supply chain, which includes a population of 300 million cattle and buffalo, provides livelihoods for 80 million small producers through 10 million retailers. This system makes affordable nutrition available to 1.42 billion people in India in a very environmentally sustainable way. India's small stakeholder dairy system is also able to meet three sustainability goals: recycling, renewable energy, and reducing carbon emissions.

Dr. Sodhi emphasized that while efforts to maximize

environmental sustainability are essential, we must also remember that "Sustainability starts when stomachs are full." Therefore, the global dairy industry needs to address the issue of "Emissions for Livelihood versus Emissions for Luxury."



IDF Dairy Innovation Awards 2024

The winners of the third annual IDF Dairy Innovation Awards were announced on October 18, 2024, during a Special Plenary Session on Innovation at the IDF World Dairy Summit 2024 in Paris, France.

During this session, videos showcasing the innovative solutions were presented, highlighting the remarkable achievements of the awardees. Mr. Vincenzo Beneveto, Vice President Processing Liquid Food Solutions, Tetra Pak US, Keynote speaker of the event, delivered some inspiring words to all the winners, finalists, and attendees.



The IDF Dairy Innovation Awards is an International Dairy Federation initiative designed to celebrate and encourage innovative practices across the global dairy sector, which was first launched in 2022 in partnership with Zenith Global and supported by headline sponsorship from Tetra Pak.

With a particular focus on Sustainability, both in terms of environmental care and positive social impact, the awards seek to stimulate innovative practices that improve farming and processing of milk and dairy foods.

In this years edition, the **IDF Dairy Innovation Awards** received a remarkable 153 entries from 25 countries, demonstrating the growing enthusiasm and commitment to showcasing innovation across the global dairy sector.

Three Indian organizations stood out for their innovation are: **Sundarban Cooperative Milk & Livestock Producers' Union Limited (Sundarini)**, India's first all-women organic dairy cooperative, for winning the Innovation in

Sustainable Farming Practices - Socio-Economic Award 2024; **Asha Mahila Milk Producer Company Limited Udaipur Rajasthan** for being honoured with the Innovation in Sustainable Processing Award and commend **Amul Dairy** for receiving the prestigious IDF Dairy Innovation Award 2024 for their pioneering efforts in using homeopathic medicine for dairy animals to combat antimicrobial resistance.

List of the Winners under various categories of IDF Dairy Innovation Awards 2024 are:

Innovation in Sustainable Farming Practices - Environment

Teagasc, Bord Bia and ICBF - AgNav - Ireland.

Innovation in Sustainable Farming Practices - Animal Care

Amul Dairy - Amul Dairy - India

Innovation in Sustainable Farming Practices - Socio Economic

National Dairy Development Board - Sundarban Cooperative Milk & Livestock Producers' Union Limited - India.

Innovation in Sustainable Processing

Asha Mahila Milk Producer Company Limited - Asha Mahila Milk Producer Company Limited - India.

Innovation in Sustainable Packaging

Danone - Actimel removes the plastic sleeve - France.

Innovation in New Product Development - Human Nutrition

Inner Mongolia Dairy Technology Research Institute Co., Ltd - Satine Active Lactoferrin Organic Pure Milk - China.

Innovation in New Product Development - Equipment

Unisensor - Aurox System - Belgium.

Innovation in Climate Action

STgenetics - Ecofeed® - USA.

Innovation in Women Empowerment

International Dairy Foods Association (IDFA) - Women in Dairy network - USA.

Innovation in Marketing & Communication

J-milk - J-milk - Japan.

IDA News

Mahatma Gandhi Jayanti Organized by IDA Haryana State Chapter

Mahatma Gandhi, lovingly known as Bapu, is internationally acknowledged for his doctrine of non-violence that led to India to its glorious freedom. IDA Haryana State Chapter (HSC) organized Mahatma Gandhi Jayanti Celebration at Shri Bhagirath Arya Girls School, New Ramesh Nagar, Karnal on 2nd October, 2024. The mission of this school is to provide education for economically poor and destitute children. Gandhi Jayanti is very patriotic day, so maintaining the legacy of this day, school children performed patriotic songs.

Dr. S.K. Kanawjia, Ex-Emeritus Scientist (Dairy Technology) & Chairman, IDA HSC welcomed Shri Amar Singh, Managing Director, Bhagirath Arya School, dignitaries, members of IDA HSC, Staff members of Arya School, Children and participants on this auspicious day and apprised the gathering with the significance of Mahatma Gandhi Jayanti. This is a special day for every Indian to remember Gandhi's legacy of peace, non-violence, and social justice. His teachings have inspired people all over the world. Gandhi Jayanti is also

celebrated as the International Non-violence Day across the nation. Gandhiji always encouraged us to the subject of cleanliness in our society, surroundings and our respective houses. Also elaborated the importance of milk and dairy products in meeting the daily nutritional and health requirements.

Dr. Kanawjia enlightened the gathering with the role of milk and milk products for maintaining good health. Milk has been known as nature's complete food for millennia, playing currently an important role in the diet of over 6 billion people in the world. India with total milk production of 230.58 MMT ranks No.1 in the world. Milk and milk products are nutrient-dense foods, supplying energy and high-quality protein with a range of essential micronutrients (especially calcium, magnesium, potassium, zinc, and phosphorus) in an easily absorbed form. Dairy products are rich in nutrients



that are essential for good bone health, including calcium, protein, vitamin D, potassium, and phosphorus. Calcium also has been shown to be beneficial in reducing cholesterol absorption, and in controlling body weight and blood pressure.

Dr. Mahender Singh, Emeritus Professor & Vice Chairman, IDA HSC enlightened the gathering with importance of milch animals and milk in our life.

Shri Amar Singh, Managing Director, Bhagirath Arya School, explained the various welfare activities of their organization in addition to providing schooling children.

Members of executive Committee of HSC Dr. Parveen Kamboj, Dr. Pradip Behare, and Dr. Yogesh Khetra, and special invitee Dr. Ashwani Roy Former Principal Scientist (Animal Physiology, NDRI) contributed significantly in organizing this programme. Lassi and sweets were served to all the participants.

Awareness Programme on Animal Reproductive Health & Clean Milk Production

IDA Haryana State Chapter (HSC) organized an awareness programme on "**Animal Reproductive Health and Clean Milk Production**" for the Dairy Farmers, Women and Youths on September 28, 2024 at Muradgarh, Indri, Haryana.

Dr. Parveen Kamboj, Ex-Principal Scientist (NDRI) and Executive member, HSC welcomed the Dairy farmers, women, youths and Sarpanch of the village. He introduced the topic relevance and purpose of organizing the program.

Dr. S.K. Kanawjia, Ex-Principal & Emeritus Scientist (Dairy Technology) and Chairman, IDA HSC explained the participants the importance of clean milk production and described the steps followed in clean milk production.



This is essential that all the care must be taken which limits quality milk production at farm level. He emphasized that Clean Milk Production is one of the areas which can be given top priority by the farmers to fetch more money by producing good quality milk and milk products. The activities covered under clean milk production are Feeding, Housing, Animal Health, Cleanliness of Milking Equipment, Practices of Hygienic Milking, Cooling, etc. He further elaborated the use of milk and products in routine life as a part of nutrients source for keeping ourselves healthy. Dairy farmers are committed to ensure food sovereignty and provide everyday milk and milk products that are good, safe and quite affordable.

Dr. Mahendra Singh, Ex-Principal Scientist, Emeritus Professor (NDRI) and Vice Chairman, HSC mentioned that a good concept regarding reproductive management is very essential for economic dairy farming. Reproductive management should aim at getting the heifer in calf sufficiently early so as to tap the full potential of the animal. Getting the cows to calve at intervals of 12-14 months. He explained the various measures to get quality milk from the cows and buffaloes especially in summer season in which mastitis and subclinical mastitis incidence increases.



The simple method of fore strip milk quality observations could be followed by the youngsters' dairy farmers to keep the udder healthy. Dr. Singh also explained the significance of mineral mixture feeding specially role of Zinc, Cu, cobalt and Ca-P in milk synthesis and reproductive performance in cows and buffaloes.

The examination of the lactating and dry animals (30) was carried at farmer's doorsteps. Medicine for the treatment of udder inflammation, anestrus, repeat breeding, worms, low milk production etc. was found in animals for which treatment was given. Farmers were told to take

necessary measures to minimize reproductive disorders by balance feeding of ration and use of phenyl, potassium permanganate lime was suggested to keep the floor free of pathogens.

Dr. Parveen thanked the farmers, women participants and Sarpanch of the village to make the awareness program successful.

Shri Vinod Chaudhary, Sarpanch of Indri Village thanked the IDA HSC for organizing the program and all the dairy farmers, women and others for their active participation to make the program a success.

Dr. Kanawjia thanked Hon'ble Chairman, IDA (NZ) and IDA HQ for the help and financial support extended for organizing this program.

IDA Kerala State Chapter Organizes a Talk Session

Indian Dairy Association (IDA) Kerala State Chapter (KSC) organized a talk session on "**Millets as Food: are they really worth the hype**" by Dr. George Thomas, Ex. Chairman, Kerala Biodiversity Board and Retd. Dean, College of Horticulture Vellanikkara on September 24, 2024 at Conference Hall, Verghese Kurien Institute of Dairy and Food Technology, Thrissur.

Ms. Aysha C.H, Treasurer, IDA KSC introduced the speaker. During the session, the science behind millet, the myths, realities and the future of this food was explained. The session was conducted in a hybrid mode. 50 offline participants attended the talk.

NATIONAL News

Indian Dairy Industry to See 13-14% Revenue Growth in FY25: CRISIL

Indian dairy industry is expected to see healthy revenue growth of 13-14 per cent this financial year 2024-25, according to the latest Crisil Ratings, as strong consumer demand continues along with an improved supply of raw milk.

While the rating agency believes the demand will be supported by rising consumption of value-added products, the ample milk supply will be driven by good monsoon prospects.

A rise in raw milk supply will also lead to higher working capital requirements for dairy players. That, along with continued capital expenditure by organized dairies over the next two fiscals will result in debt levels inching up.

Nevertheless, credit profiles will be stable supported by strong balance sheets, a CRISIL Ratings analysis of 38 dairies accounting for 60 per cent of the organised segment revenue indicates so.

Shri Mohit Makhija, Senior Director, CRISIL Ratings, says, "Amidst modest growth of 2-4 per cent in realization (rates), the dairy industry's revenues are seen rising on healthy 9-11 per cent growth in volumes."

The value-added products segment - a 40 per cent contributor to the industry revenues - is expected to be the primary driver, fueled by rising income levels and consumer transition towards branded products.

"Rising sales of value-added products and liquid milk in the hotels, restaurants and cafes (HORECA) segment will also support the revenue growth," added Shri Makhija.

The strong consumer demand will be complemented by improved raw milk supply which is expected to increase 5 per cent this fiscal, due to better cattle fodder availability, given the favourable monsoon outlook this fiscal. Milk availability will be further supported by the normalisation of artificial insemination and vaccination processes after facing disruption in the past.

Additionally, various measures such as genetic improvement in indigenous breeds and an increase in the fertility rate of higher yield breeds will help enhance milk supply. Steady milk procurement prices augur well for the profitability of dairies, and their operating profitability is expected to improve 40 basis points (100 basis points is equal to 1 percentage point) to 6 per cent this fiscal.

According to Associate Director, CRISIL Ratings, "While the revenue and profitability of dairies will improve this fiscal, debt levels are also expected to increase, mainly for two reasons. **One**, healthy milk supply during flush season will result in higher SMP inventory which will be consumed over the rest of the year. The milk powder inventory typically accounts for 75 per cent of the working capital debt of dairies. **Two**, continued milk demand will require increased debt-funded investments for new milk procurement, milk processing capacities and expanding distribution network."

FSSAI's Registration Mandate: Boosting Clean Milk and Food Safety

The Food Safety and Standards Authority of India (FSSAI) has issued a recent notification mandating the registration of primary milk producers, aimed at improving milk safety, traceability, and quality. This move targets the unorganized sector of the dairy industry, especially small and marginal dairy farmers, to raise awareness about clean milk production and address prevalent issues related to contaminants, hormones, and antibiotics in milk.



Creating Awareness on Clean Milk Production

The registration requirement will drive awareness among farmers about the importance of hygiene and safety protocols during milk production. By bringing dairy farmers under formal oversight, FSSAI aims to educate them on best practices for clean milk production, such as:

- Sanitary conditions during milking
- Proper handling of equipment
- Hygienic storage and transport of milk. This awareness campaign will be complemented by training programs that focus on reducing microbial contamination at the source, ensuring that milk reaches consumers in a safer, fresher state.

Addressing Contaminants, Hormones, and Antibiotics in Milk

One of the core issues the FSSAI seeks to address with this notification is the widespread use of contaminants, adulterants, growth hormones, and antibiotics in milk production. Under the new system in due course of time:

- Farmers will be required to follow strict protocols

limiting the use of antibiotics and hormones in dairy animals. This will help ensure that the residual effects of such substances do not make their way into the milk supply.

- This initiative in years to come may get provisions for regular inspections and monitoring and allowing authorities to detect and prevent contamination at an early stage at the farm level itself.
- Milk testing at collection points may be considered for surveillance before it is mainstreamed, ensuring that adulterated or contaminated milk is identified before it enters the broader supply chain. This step is critical to reducing the health risks associated with unsafe milk consumption, which can include antibiotic resistance, hormonal imbalances, and exposure to harmful chemicals.

Enhancing Traceability and Identity Preservation in Future

The registration system is designed to enhance the traceability of milk from farm to table. With a formal system in place, every batch of milk can be traced back to its source, allowing for:

- Better control over milk quality at each stage of the supply chain
- Faster identification of issues such as contamination or adulteration
- Improved identity preservation, ensuring that milk marketed as cow/buffalo/A2/organic or hormone-free is genuinely so, thanks to reliable documentation and traceability protocols.

By making primary milk producers accountable and ensuring they adhere to standardized practices, FSSAI's notification will improve the overall quality and safety of milk in India. This initiative is aligned with global best practices for food safety, helping India's dairy sector meet international standards and enhance consumer trust.

In summary, FSSAI's recent notification is a critical step toward clean milk production in India. By registering primary milk producers and enforcing hygiene standards, the initiative will significantly reduce contaminants and improve milk safety, while enhancing traceability throughout the dairy supply chain. This formalization of the unorganized dairy sector is a win-win for both farmers and consumers.

Five Amul Cooperatives are now in Billion Dollar Club

In 2008, the Gujarat Co-operative Milk Marketing Federation (GCMMF), which markets home-grown dairy brand Amul, earned the prestigious tag of India's first

billion-dollar milk cooperative with its turnover reaching Rs. 5,255 crore.

A decade-and-a half later, Gujarat, the cradle of the White Revolution, is home to five billion-dollar milk cooperatives.

GCMMF, India's largest food product marketing organisation, saw its turnover reach a staggering Rs. 59,545 crore (\$7 billion) in the financial year 2023-24.

Three other member unions of GCMMF - Palan pur-based Banas Dairy, Anand-based Amul Dairy, and Himmatnagar-based Sabar Dairy have also joined the billion-dollar club. Banas Dairy recorded a Rs. 19,003 crore turnover, making it a US \$2.3 billion entity.

India's oldest milk cooperative, Amul Dairy, the owner of the Amul brand, recorded Rs. 12,911 crore turnover, turning it into a \$1.5 billion cooperative.

Sabar Dairy, on the other hand, recorded a Rs. 8,939 crore turnover, finding its place in the coveted club with a \$1.1 billion turnover. Gandhinagar-based AmulFed Dairy, a unit of GCMMF, also recorded a Rs. 12,969 crore turnover, turning into a \$1.5 billion milk co-operative.

What's more, Mehsanabased Dudhsagar Dairy, the owner of the Sagar brand, is close to achieving this feat. In the financial year 2023-24, Mehsana Dairy recorded a turnover of Rs. 7,494 crore, turning it into a US \$0.9 billion enterprise.

These staggering turnovers are important seen in the light of the fact that Gujarat has never been the top milk producing state in India. They are testament to the dairy cooperatives' continuously augmenting their milk processing capacities, making value-added products and ensuring highest remuneration to the milk producing farmers.

Shri Jayen Mehta, Managing Director, GCMMF attributes this growth to a focus on expansion and diversification. "All our member unions have focused on expansion, enhanced their capabilities to process milk and milk products, introduced value-added products, and strengthened the cooperative network both within and outside Gujarat," he said.

The group turnover of the Amul brand reached Rs. 80,000 crore (\$10 billion) in 2023-24 from Rs. 72,000 crore (\$9 billion) in the financial year 2022-23.

With a network of 36 lakh farmers across 18,600 villages of Gujarat and 18 member unions that procure 300 lakh litres of milk per day, the federation, the world's



largest farmer-owned dairy cooperative, is ranked 8th among the top 20 dairy companies in the world in terms of milk processing, according to the International Farm Comparison Network (IFCN). Together, the milk unions of Gujarat have a network of over 100 dairy processing plants across the country.

11th National Seminar on “Indian Dairy & Food Industry in Viksit Bharat: Developments and Innovation”



The 11th National Seminar on "Indian Dairy & Food Industry in Viksit Bharat: Developments and Innovation" was held on September 27-28, 2024, at the ICAR-National Dairy Research Institute (NDRI), Karnal. The seminar was jointly organized by the NDRI Graduates Association (NGA) and ICAR-NDRI. The inaugural session, which took place at the Dr. D Sundaresan Auditorium, was graced by the presence of Ms. Alka Arora, Additional Secretary, DARE & Financial Advisor, ICAR, as the Chief Guest. Dr. Dheer Singh, Director & Vice Chancellor of NDRI, presided over the event, alongside other dignitaries including Shri S.S. Mann, President of NGA, and Shri Ashok Rao, General Secretary, NGA.

In her Keynote address, Ms. Arora emphasized the critical need for advancing the dairy industry in alignment with the Government of India's vision of a "Viksit Bharat" (Developed India). She highlighted the importance of translating research innovations at the institutional level into practical, industry-level applications, thereby strengthening the industry's role in the nation's economic growth. The event also witnessed the unveiling of the NDRI song and the Advanced Centre of Excellence, funded by NGA, marking significant milestones for the institute.

The ceremony also honoured notable alumni, with the Diamond Jubilee batch of 1964-1968 and the Golden Jubilee batch of 1974-1978 being felicitated. Shri Lal Singh Dhillon, an alumnus of the first batch (1957-1960), received the prestigious Lifetime Achievement Award.

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Dr. Latha Sabikhi and Dr. Bimlesh Mann were recognized for their contributions with the "Most Popular Teacher" award.

The seminar spotlighted the critical role of the dairy and food sector in the vision of Viksit Bharat, contributing to economic growth, employment, and nutritional security. The sector has seen an upsurge in consumer demand for diverse dairy and food products, propelled by technological advancements and government initiatives that prioritize quality, safety, and sustainability across the value chain. While challenges such as inadequate infrastructure, workforce scarcity, and market diversification persist, the Indian dairy and food industries are poised for remarkable growth within this framework.

More than 400 delegates from across India and abroad, including professionals, scientists, academicians, senior officials from both central and state government bodies, and industry leaders from cooperatives and private enterprises, attended the seminar. The two-day event was structured around five technical sessions, a technology showcase, and an Institute-Industry interface session.

A poster presentation was also held on the first day, featuring over 80 papers across four categories, with winners receiving cash prizes from the NGA. Several recommendations emerged during the seminar, which will be consolidated and shared with relevant authorities to drive future progress in the sector.

The Valedictory session on Day 2 was chaired by Dr. S.L. Goswami, Former Vice Chancellor of Banda University of Agriculture & Technology, who graced the occasion as Chief Guest. During this session, the Silver Jubilee batch of 1999-2003 was honoured. The seminar concluded with key takeaways, highlighting collaborative efforts between NGA and NDRI to further the development of the dairy industry in line with the nation's vision for the future.

‘Desi’ Milk on the Rise

Private initiatives are driven by campaigns to save local breeds and the demand for organic milk.

According to sources at Karnataka Milk Federation (KMF), Karnataka produces around 2.5 crore litres of milk every day. Of this, one crore litre is consumed by households or sold locally, one crore is procured by KMF and around 50 lakh litre is procured by private dairies.

KMF's brand Nandini has over 80 per cent market share among milk and milk-based products in the state. The remaining space is shared by private companies, small cooperatives and individuals who manage big dairies.

Private initiatives are driven by campaigns to save local breeds and the demand for organic milk. Gir, a native breed from Gujarat, is sought after by those who prefer local breeds. There have been mixed results for farmers.

"Our region's climate is new for that breed, hence acclimatisation, management and treatment are crucial. When farmers do not think beyond purchasing this popular breed of cow, they fail. Cows also need freedom, good food and proper hygiene," says a veterinary doctor from Ballari.

Sharath from Harapanahalli had set up a large dairy of Gir breed cows and sold almost all of them



during Covid. He is contemplating rearing varieties native to Karnataka such as Malnad Gidda, Amrut Mahal, Devani and Kilari. He says that there is good demand for 'desi' milk.

Organic milk is another segment that is steadily growing. Tiptur-based Akshayakalpa, India's first certified organic milk enterprise, caters to around 1.5 lakh households in Bengaluru. They also have consumers in Hyderabad and Chennai.

"We work with over 1,400 farmers who tend to their cows in a natural, stress-free environment. Emphasis on nutritious fodder grown in organic soil, helps get good-quality milk," says Shilpa G, a subject matter expert at Akshayakalpa.

Britannia Bel Foods Inaugurates Cheese Factory

Britannia Bel Foods Pvt. Ltd., a leading Cheese player in India, today marked a significant milestone in its growth, nearly two years after being established as an ambitious joint venture. The company announces the inauguration of its Cheese factory in India, dedicated to the local production of Britannia "The Laughing Cow" products, reinforcing its commitment to serving the best quality products to Indian consumers made locally. Maharashtra is a leading state in India for milk production and boasts of a mature well integrated dairy ecosystem, making it the ideal choice for the Cheese factory location within Britannia's Dairy food park in Ranjangaon.

The plant is fully integrated with a robust milk procurement program, sourcing 4 lakh liters of 100% cow's milk daily from over 3,000 farmers in Pune and surrounding areas. Britannia has scaled up the milk procurement program within a few years to 70 Village-Level Bulk Milk Coolers installed within a 100 km radius from the factory, spanning 10 tehsils in the Pune and near districts. This initiative supports local farmers, ensures a sustainable supply chain, and reinforces Britannia's commitment to community and agricultural development. Britannia's Milk Collection Centre have advanced testing capabilities, ensuring that raw milk quality is assessed across 31 quality parameters at site and 20 additional parameters at unloading before being accepted at the factory

To support the local community of its 3000+ milk farmers, Britannia operates an integrated support program focused on three pillars of management, breeding and feeding of cattle. The program encapsulates enabling best farm practices such as door-to-door animal health camps, farmer training & breed training programmes, quality fodder seeds distribution and a transparent direct payment services to the farmer. The farmer program is integrated with Britannia's village development and

malnourishment programmes under the efforts of Sir Ness Wadia Foundation and Britannia Nutrition Foundation.

With an investment of nearly 220 crores from the Joint Venture including the Britannia Dairy facilities being leveraged, the new Greenfield factory is located in one of Maharashtra's largest food parks. It is integrated within Britannia's state-of-the-art dairy production facility, which produces a comprehensive range of Britannia dairy products including now Britannia "The Laughing Cow Cheese" with a full range of products: slices, blocks, spread, diced and cubes.

Equipped with 5 production lines, the facility boasts a total production capacity of approximately 6,000 tons per year for natural Cheese varieties like cheddar and mozzarella, and around 10,000 tons per year for processed Cheese.

Britannia Industries Ltd. (BIL) and Bel Group entered into a joint venture in December 2022. Bel acquired 49% stake in Britannia's wholly owned subsidiary in BDPL (Britannia Dairy). The entity thereafter is renamed as Britannia Bel Foods Private Ltd.

Kisanserv in Strategic Partnership with Milky Mist

Kisanserv, a retail company specialising in fresh fruits and vegetables, is expanding its product line through a strategic partnership with Milky Mist. This partnership allows Kisanserv to introduce over 200 Stock Keeping Units (SKUs) of premium dairy products, made from 100% cow's milk, across all its convenience retail stores in Pune and Mumbai.



This move into dairy products is part of Kisanserv's broader vision to become a one-stop destination for fresh daily essentials. By adding dairy to its offering, Kisanserv is taking a major step toward achieving its goal of scaling up to 250 stores and hitting Rs 500 crore in revenue over the next four years.

Shri Niranjan Sharma, CEO, Kisanserv, said "Our customers have long demand of dairy products alongside fresh fruits and vegetables. With a strong customer base, introducing dairy is a natural step that will enhance convenience and boost both revenue and profit margins."

This partnership allows Kisanserv to offer premium dairy products, ranging from milk, curd, paneer, butter, and ghee, Ice Creams and Chocolates at competitive prices, lower than the MRP available at other retailers. Not only will this elevate the shopping experience for customers, but it will also drive store sales and contribute to stronger profit margins.

Shri Sharma further added, "Our association with Milky Mist aligns perfectly with our vision, creating a strong synergy between the two companies. Milky Mist's revenue reached Rs 2,000 crore last year, and both companies have aggressive growth plans for the coming years. Milky Mist's ambitions in India, along with Kisanserv's focus on expansion in Western India, will mutually benefit both businesses."

ACC, Adani Foundation Launch Milk Center for Dairy Farmers

ACC, the cement and building material company of the diversified Adani Portfolio, is committed to facilitating sustainable livelihoods for rural dairy farmers. Along with the Adani Foundation, the Company has established the Annapurna Milk Collection Centre in Annibaijal village, near ACC Tikaria, in collaboration with Mother Dairy. This project supports over 100 dairy farmers across 10 villages, and has quadrupled their milk collection.

The initiative, launched in May 2023, has significantly increased daily milk collection from 100 to 400 litres, benefiting the dairy farming community. It also ensures fair practices, timely payments, and quality-based pricing for milk. The Annapurna Milk Collection Center, managed by the Annapurna Mahila Samiti, ensures transparency in the milk collection process, leveraging modern tools like milk analysers for quality control. Farmers are now paid between Rs. 55-70 per litre based on the fat and solids-not-fat (SNF) content, encouraging high-quality milk production and fair returns.

With 16 Self-Help Groups (SHGs) in the village, the initiative, supported by local, Ms. Santosh Singh, empowers women at various levels of the dairy value chain. The Mother Dairy chilling plant at Gauriganj block further strengthens this supply chain, ensuring that milk is efficiently collected and transported.

ACC and the Adani Foundation's dedication to fostering rural development is highlighted through this initiative, enhancing agricultural productivity, and empowering women in the dairy sector.

Dodla Dairy Acquired Land in Maharashtra for Expansion

Dodla Dairy Ltd. - a Benefactor Member of IDA has announced that it has completed the acquisition of a land parcel admeasuring 35.23 acres at Itkal Village, Dharashiv District, Maharashtra. The company has a strong procurement setup in the state and this land acquisition is a step forward towards setting up an integrated plant for the surrounding Solapur district. Commenting on the performance, Managing Director, Dodla Dairy, Shri Sunil Reddy said, "We are pleased to announce this land acquisition as it will help us enhance

our foothold in the state of Maharashtra, a crucial geography from our supply chain perspective. At present, Dodla is procuring 2 lakh litres per day of milk from Maharashtra which is processed in our plants at Telangana and Andhra Pradesh. We intend to establish an integrated plant equipped with condensing as well as milk powder-making capabilities. With the addition of this capacity and capabilities, we will be able to improve our operational efficiency and expand our VAP portfolio."

INTERNATIONAL News

International Dairy Market: USDA

As per the latest USDA data of mid October, 2024, international market overview are as follows:

EUROPEAN

Western European

Milk production is variable throughout West Europe. Countries like Germany and Ireland are still witnessing seasonally lighter milk production, while others like France and the United Kingdom are seeing increases in weekly milk deliveries. Contacts in Germany share milkfat is in tight supply, which has affected both butter and cheese prices recently. Additionally, contacts share the rate of new cases of bluetongue disease throughout Europe is reportedly slowing.

The European Commission released the biannual Short-Term Outlook for EU Agricultural Markets in 2024 report on October 8. The report outlines predicted milk deliveries are set to increase 0.5 percent overall in 2024 despite a 0.3 percent decrease in dairy herds.

Cheese and whey production are slated to increase 2.1 percent and 1 percent, respectively, in 2024. Despite exports being strong, skim milk powder and whole milk powder exports are expected to decrease 5 percent and 15 percent, respectively, due to weak demand and increasingly competitive price points in international markets.

The UK-based Agriculture and Horticulture Development Board (AHDB) released data showing daily milk deliveries for the last whole week of September averaged at 32.82 million liters, up 0.6 percent from the week prior and up 1.5 percent from the same week last year. According to CLAL data made available to USDA, the provisional August 2024 cows' milk delivered to dairies in the UK was 1,226,100 MT, down 0.1 percent from August 2023. Year-todate cows' milk deliveries in the UK for January-August 2024, 10,463,900 MT, was only slightly lower compared to total milk deliveries in January-August 2023.

A large European dairy cooperative recently announced the October guaranteed milk price will increase by 2.50 euros to 53.50 euros per 100 kg. The increase demonstrates the expectation that reference milk prices will continue to rise.

A large dairy cooperative in Ireland announced slight increases in its September purchase price index (PPI). The September PPI is 151.4, which increased from 144.7 in August.

A large multinational dairy company announced plans to cut milk purchases in France to temper exposure to international commodity prices. The company plans to cut milk collections by 450 million liters, roughly 9 percent of its annual milk intake. This cut in milk purchases is slated to start at the end of the year and progress through 2030.

Eastern Europe

Although milk production in East Europe continues along seasonal declines, industry sources suggest that milk collections in August 2024 exceeded those of August 2023 in much of East Europe. According to CLAL data made available to USDA, the provisional August 2024 cows' milk production in Belarus was 787,000 MT, up 7.6 percent from August 2023. January - August 2024 provisional milk production in Belarus, 5,927,000 MT, is up 5.8 percent from January - August 2023. The July 2024 milk collection volumes across East Europe were largely below those of July 2023.

As of mid-September, drought warning conditions extended across much of southern parts of East Europe and southeastern Poland into the Baltic States. Persistent drought conditions in the Balkans and Black Sea region have significantly impacted pasture and crop production.

OCEANIA DAIRY MARKET

New Zealand

A New Zealand dairy cooperative recently announced their forecasted farmgate milk price for the 2024/2025 season increased by 50 cents to \$9.00/kgMS. A spokesperson for the cooperative noted strong GDT results and tighter global milk supplies have contributed to the higher forecasted price. The cooperative also recently announced their farmgate milk price for the 2023/2024 production season was \$7.83/kgMS. A spokesperson stated a decline in exports to China during the production season was partially offset by increased purchasing throughout the rest of Asia. The cooperative's farmgate milk price for organic milk reached the highest they have paid to date, \$10.92/kgMS. The cooperative's spokesperson noted they plan to grow their organic program as demand for organic products has continued to increase.

A group in New Zealand, which forecasts dairy prices,

increased the forecasted milk price for the 2024/2025 season, following GDT event 365, by 1 cent, to \$9.28/kgMS. The group noted the recent announcement of higher milk prices from a New Zealand dairy cooperative affected the forecasted price. They further noted a change in production focus from this cooperative has affected the forecasted milk price.

The New Zealand government recently announced they have finished negotiations with the United Arab Emirates (UAE) for a free trade agreement after 4 months of discussion. The new agreement will remove tariffs on 98.5 percent of exports from New Zealand immediately, but this will increase to 99 percent in the next 3 years. From June 2023 to June 2024, the value of trade between the two countries was NZ\$1.3 billion, with dairy exports from NZ to the UAE valued at \$718 million.

Recently released data from New Zealand for August showed the number of dairy cows sent to slaughter during the month declined by 36.8 percent from August 2023. The previously released slaughter numbers from March to May were revised downwards. From the start of 2024 through August, cow slaughter numbers are down 4.4 percent from the same time in 2023.

Australia

According to Dairy Australia, August 2024 milk production, 682.4 million liters, was up 2.9 percent from August 2023. August 2024 milk production was up from the prior year in New South Wales, Victoria, and South Australia. Meanwhile, milk production was down in Queensland, Western Australia, and Tasmania. Milk production from the start of the season in July 2024 through August 2024, 1,261.5 million liters, increased 2.3 percent compared to the same time frame a year earlier.

In Australia, a few supermarket chains, which account for the majority of retail supermarket sales in the country, have reduced prices for store brand milk by 5 cents per liter. Supermarket brand milk prices have not decreased since 2011, when some chains reduced prices down to \$1 per liter. A dairy farming group's spokesperson stated farmgate milk prices are currently near the cost of production and the lower price will add deflationary pressure to farmgate milk prices.

Meanwhile, a spokesperson for one of the supermarket chains noted lower farmgate milk prices this season have reduced their costs, allowing the company to reduce the price consumers pay for their store brand milk.

An Australian dairy company recently announced a partnership with a U.S. cheese company to build a processing facility in Victoria. The Australian dairy company plans to process some cheese from New Zealand and the dairy products made at the new facility

will go to retail and food service markets in Australia or be exported. The processing facility will be the first operated by the Australian dairy company and processing is scheduled to start in April.

SOUTH AMERICA DAIRY MARKET

Some contacts say cooler than seasonal weather is providing improvements in cow comfort levels in Uruguay, but those reports pale in comparison to the broader milk outlook throughout most of the South American region, including Uruguay. Rains in autumn and winter months have been replaced by prolonged dryness. Contacts in Brazil are reporting very dry conditions, including wildfire threats, and reports suggest crop and milk output growth are dependent on near-term rainfall in all of the region's dairy producing areas.

Dairy trading is robust, as market tones are showing more signs of bullishness not completely unrelated to the seasonal milk expectations. Algerian traders are actively seeking out South American sourced skim milk powder, and Brazil continues to seek out dairy powders and other commodities from neighboring trading partners. Prices continue to push higher for SMP and WMP, among other dairy commodities.

Mr. Gilles Froment Elected as New IDF President



The International Dairy Federation (IDF) elects its new President - Mr. Gilles Froment during the 118th General Assembly held on October 14, 2024 in Paris.

Mr. Froment, who has been serving both as an IDF Board Member and Treasurer, succeeds Mr. Piercristiano

Brazzale and brings over two decades of dedicated service to the Federation. Mr. Froment's current role as Senior Vice President of Government and Industry Relations at Lactalis Canada further underscores his extensive experience in both public and private sectors.

Mr. Froment has been a central figure in IDF for more than 20 years, serving as Chair of the Standing Committee on Dairy Policies and Economics (SCDPE) and contributing to numerous IDF initiatives at both national and international levels. His in-depth understanding of IDF's mission, work program, and financial oversight has been instrumental in shaping the organization's strategic direction.

Upon his election, Mr. Froment shared his vision for the future of IDF: "I am truly honored to have been elected President of the International Dairy Federation.

The challenges we face, from environmental sustainability to global food security, require decisive leadership and science-based solutions. I look forward to working closely with our members, experts, and partners to continue positioning IDF as the global authority on dairy and to ensure that the sector's contributions to sustainable food systems are recognized and supported."

As President, Mr. Froment will focus on strengthening stakeholder relations, particularly with key international organizations such as the FAO, WHO, and Codex Alimentarius, and ensuring that IDF continues to lead on critical issues such as environmental sustainability and governance. His experience as Treasurer will also ensure that IDF's financial sustainability remains a top priority, enabling the organization to continue providing world-class expertise and support to its members.

Mr. Froment's presidency marks a new chapter for IDF, as the Federation continues to expand its influence and expertise on the global stage. With his leadership, IDF is poised to address the evolving needs of the dairy sector, ensuring that dairy remains a cornerstone of sustainable, nutritious food systems worldwide.

Global Dairy Price Index Showing Stagnancy

The Global Dairy Trade (GDT) Event 366, held on October 15, 2024, saw mixed outcomes across dairy products. While the index hardly plummeted by 0.3% with Global dairy price index at USD 3852/MT. Whole Milk Powder (WMP) prices remained relatively stable with only slight fluctuations, reflecting consistent demand. However, other categories, such as Lactose and Mozzarella cheese showed a big decline. Anhydrous milk fat and Butter almost toe the line with the change in index at 0.3% gain and loss respectively. Skimmed milk powder has again come down by 1.8% but Cheddar cheese showed a robust growth of above 4%.

This event also highlighted the ongoing global uncertainty in the dairy market, impacted by factors such as production levels, supply chain dynamics, and weather conditions in key dairy-producing regions. These trends are critical as the industry navigates global shifts in demand and competition between traditional and alternative dairy products. Absence of China is surely visible as the trade is unable to gain momentum.

There were 169 winning bidders in 17 rounds of auction, with a total of 38,956 metric tonne of dairy products sold.

China Targets European Firms in Anti-Subsidy Probe into EU Dairy

China on October 14, 2024 singled out Dutch firm FrieslandCampina as well as French and Italian companies in an anti-subsidy probe into dairy imports from the European Union, after lawmakers from these countries voted for tariffs on Chinese electric vehicles.

The world's second-largest economy launched the investigation into imports of some cheese, milk and cream from the European Union in August.

Details of the probe come after EU members on Oct. 4 voted in favour of imposing tariffs of up to 45% on imported Chinese EVs.

Italy, France, and the Netherlands had voted in favour of the tariffs, while Belgium had abstained.

China's commerce ministry said it would use samples collected from Elvi (France) Co., Ltd. (ELVIR), FrieslandCampina Nederland B.V., FrieslandCampina Belgium N.V. as well as Italian firm Sterilgarda Alimenti SPA in its investigation.

The companies were selected based on export volume, product structure and geographical distribution, the ministry said in a statement.

The European Commission has launched a challenge at the World Trade Organisation (WTO) against China's probe, the first time it has taken such action at the start of an investigation, rather than wait for it to result in trade measures against the bloc.

The EU was China's second-largest source of dairy products, behind only New Zealand, according to Chinese customs data.

The bloc exported 1.7 billion euros (\$1.84 billion) in dairy products to China in 2023, according to data from the European Commission's Directorate-General for Agriculture and Rural Development, which cited Eurostat.

Dairy Waste could be Future of Sustainable Aviation Fuel

According to scientists at the US Department of Energy's (DOE) Argonne National Laboratory, they have developed a new technology using methane digestion that creates cost-competitive sustainable aviation fuel (SAF) that could reduce emissions in the aviation industry by up to 70%.

Instead of relying on more conventional resources like fat, oil and grease, Argonne scientists used carbon-rich



wastewater from breweries and dairy farms as a feedstock for their innovative technology. In a key advancement, the technology strips organic carbons from these high-strength waste streams that are otherwise difficult to treat cost-effectively.

"Both wastewater streams are rich in organics, and it is carbon-intensive to treat them using traditional wastewater treatment methods," said Study Author Taemin Kim, an Argonne energy systems analyst. "By using our technology, we are not only treating these waste streams but making low-carbon sustainable fuel for the aviation industry," said Taemin Kim.

Made from renewable materials like biomass and agricultural waste, DOE said SAF has enormous potential to decarbonize the aviation industry - but widespread adoption has yet to take off, making up less than 1% of the fuel used in the industry.

"Producing SAF that is more energy efficient, cheaper and cost-competitive with fossil-based jet fuel is critical to widespread commercial use," DOE wrote.

New research shows that novel methane arrested anaerobic digestion technology converts high-strength organic wastewater into volatile fatty acids, which can be upgraded to SAF. As key precursors for SAF production, volatile fatty acids can play a critical role in decarbonizing the aviation industry, said Haoran Wu, an Argonne postdoctoral researcher.

The research advances goals outlined in the DOE's Sustainable Aviation Fuel Grand Challenge which aims to increase the production of SAF to three billion gallons by 2030. The goal is to produce enough fuel to meet 100% of commercial jet fuel demand by 2050.

Economic and Environmental Impacts

With the experimental data, scientists used Argonne's advanced simulation and modeling tools to design three possible waste-to-SAF pathways and compared them to conventional jet fuel produced from fossil fuel.

Using the process models, scientists conducted an economic and life cycle analysis of the pathways and found the waste-to-aviation fuel pathway significantly cut carbon emissions compared to conventional jet fuel. The study also expands the use of lesser-used waste materials at a time when demand for typical bio-feedstock for SAF results in a shortage.

While research will continue, scientists ultimately hope to commercialize the patent-pending process and scale the technology for widespread use.

"Designing a membrane-assisted technology that achieves a 70% reduction in greenhouse gases at a cost comparable with conventional jet fuel is a significant advancement. We will continue working to enhance sustainability and begin exploring other feedstock materials to use with our technology," Wu said.