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INDIAN NEWS

A FARMER'S FATE: LIVING IN HOPE OR PERISHING IN DESPAIR

<https://dairynews7x7.com/a-farmers-fate-living-in-hope-or-perishing-in-despair/>



Kolakkad native M R Albert (73) committed suicide in Kerala on the day after the national Milk day. He had served as the president of Kolakkad Dairy Co-operative Society for 25 years.

He had to give his life because of a paltry Rs 2 lakh loan from Kannur District Co-operative Bank.

How much does a personal loan of Rs 200000 costs at say 9% interest for 5 years ?

It is Rs 4152.00 per month. Can we really think of a situation wherein a dairy farmer from the world's largest milk producing country commits suicide for a financial liability of Rs 4152 per month.

Farmer suicides are on the rise in Kerala. On November 10, a farmer named K G Prasad from Alappuzha's Thakazhy died after consuming poison. In his suicide note, he blamed the government for leaving him in debt. A few days after Prasad's suicide, Thomas alias Joy, a dairy farmer in Wayanad found hanging from a tree. His relatives said that he had accumulated a debt of over Rs 10 lakh.

What does the government do to the corporate debtors?

Between 2014 and 2019, Indian scheduled commercial banks wrote off bad loans totalling Rs 6.35 lakh crore, recovering only 9.7% (Rs 62,220 crore) from the written-off amount, according to an RTI response from the Reserve Bank of India.

In the broader period from 2004 to 2019, banks wrote off Rs 8.41 lakh crore in bad loans, with 75% of this, Rs 6.35 lakh crore, occurring in the last five years. This practice of writing off loans, primarily to corporates, has been criticized as a scam, as former RBI Deputy Governor K C Chakrabarty highlights.

The government's claim of reduced bad loans is largely attributed to write-offs rather than actual recovery efforts by the banks. Gross NPAs declined from 11.5% in 2018 to 9.3% in 2019, but this is more reflective of writing off bad loans than genuine recovery achievements.

What does the government data says ?

The table retrieved through RTI clearly expose the government’s deceptive assertions that “write off does not mean waiver, borrowers do not get benefitted from write offs, banks continue to recover those loans” as untrue.

Table 1: Write off of bad loans and recovery from them between 2014-19

Banks	Amount of written off bad loans	Recovered from written off bad loans	Recovery Percentage
All Scheduled Commercial Banks	Rs 635,164 crore	Rs 62,220 crore	9.7%
Public Sector Banks	Rs 515,636 crore	Rs 51,419 crore	9.9%
SBI (and associate banks)	Rs 169,546 crore	Rs 20,519 crore	12.1%

What is value of life in a capitalistic world ?

Let me illustrate by sharing the famous Ford’s Pinto case here

What is the value of a life? The moral dilemma of putting a price on human life challenges us, transcending mere currency. Unfortunately, history reveals instances where lives were quantified in dollars, as seen with the Ford Pinto in the 1970s. The car’s flawed design led to fatal consequences, prompting internal discussions at Ford.

Rectifying the fuel tank issue would cost \$11 per Pinto, totalling \$121 million for 11 million cars. Conversely, Ford projected a \$70 million saving by avoiding a recall, basing calculations on potential accidents and settlements. This highlights a disturbing juxtaposition of financial considerations against human safety.

Utilitarian Logic

Presently, entities frequently employ Jeremy Bentham’s utilitarian logic, known as cost-benefit analysis. **Utilitarianism, advocating that the morally right action maximizes overall good, has various interpretations.** Professor Sandel of Harvard Business School raises probing questions, such as **whether we should prioritize the happiness of a potentially cruel majority and if all values can be quantified and compared using a common measure like money.**

Farmers are being sacrificed in the name of benefiting business communities. The government seems to value the lives of 1.25 farmers and farm laborers per hour as insignificant compared to the interests of large business houses.

India leads the world in Farmer’s suicide

Farmers’ suicides in the U.S. have risen since the 1980s, with over 1,500 Midwest farmers taking their lives. This mirrors a global crisis: in Australia, a farmer dies by suicide every four days; in the UK, one farmer a week takes their own life, and in France, it is one every two days. Since 1995, more than 270,000 farmers in India have died by suicide.

In India, farmer suicides, stemming from the inability to repay loans, have been prevalent since the 1970s. NCRB data reveals sustained high numbers from 2014 to 2020, with 5,600 farmers ending their lives in 2014 and 5,500 in 2020. Including agricultural laborers in 2020, the total suicides surpass 10,600.

India, with 70% reliant on agriculture, had agriculture contributing 15.4% to its economy in 2017. In 2020, 41.49% of the workforce was linked to agriculture. Farmer suicides constitute 11.2% of all suicides, attributed to various factors. Between 2013 and 2019, farmers' income rose by 30%, but debt surged by 58%, causing their debt as a percentage of annual income to increase by 13 points, as per Ministry of Statistics and Programme Implementation data.

Data Distortion

In response to Sh Kesinini Srinivasan MP, the agriculture minister shared depressing details regarding the data collection for farmer suicides. He informed the parliament that the National Crime Records Bureau (NCRB) under the Ministry of Home Affairs compiles and disseminates this information in its publication titled 'Accidental Deaths and Suicides in India' (ADSI).

Reports up to 2021 are available on the NCRB website (<https://ncrb.gov.in>). However, the NCRB does not provide separate data on tenant farmers' suicides or specify distinct reasons for farmers' suicides in its ADSI Reports. Is this a correct approach of not capturing and publishing data on labourer suicide also along with farmers? Is it also justifiable to not to specify distinct reasons for such suicides? Doesn't it portray a window dressing to keep the numbers of farmers suicides shared at almost half the values in public domain?

This reminds me of a famous quote by Ruth Dreifuss;

“Poverty doesn't shame the people who are affected by it, Poverty shames society.”

It is time for me to conclude my case in front of all stakeholders. I always took pride in stating that a farmer engaged in backyard farming never resorted to suicide. Today, this perception has been shattered.

I find it unbelievable that our system failed to empathize with Albert, who dedicated over 25 years as the president of a dairy cooperative.

There is a pressing need for a paradigm shift in our approach to designing financial instruments for farmers. Farm produce serves as their sole income to repay loans, and climate change disrupts their cash flow cycles. Farmers deserve more legitimacy in obtaining credit guarantees and collateral-free loans. Their self-esteem is their primary asset, and they would rather face the consequences than default on a loan.

It is high time for policymakers to translate their words into action. I invite your comments on how we can put an end to farmers' suicides resulting from financial distress.

DECODING THE PRE-PACKAGED FOOD LABEL



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FAQs on Designing Food Labels !

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- ✓ What should be the serving size for my products?
- ✓ What parameters are mandatory for the nutritional information table?
- ✓ Are there any conditions attached to making health claims?
- ✓ Can I claim "My product is 100% natural" on the food label?
- ✓ Can I make claims about the health benefits of my product?
- ✓ Can I use testimonials or endorsements on my product label?
- ✓ Can I use imagery that suggests that "My product is healthier"?
- ✓ Do I need to include a disclaimer stating that "Images are for creative representation only"?



KATRAJ DAIRY SLASHES MILK PRICE BY RS 2/ LITRE FOR CONSUMERS

Nov 30th 2023

<https://dairynews7x7.com/katraj-dairy-slashes-milk-price-by-rs-2-litre-for-consumers/>



The Pune District Cooperative Milk Producers Union – the owner of brand Katraj- has decided to reduce the price of its double toned milk sold in pouches by Rs 2/ litre. A statement issued Thursday said that from December 1, 1 litre milk pouches will now be available at Rs 53. Also 250 gm packs of extra protein milk will now be priced at Rs 12.

Over the last few weeks, dairy farmers in Maharashtra are on the streets protesting against low procurement price for milk paid to them by dairies. At present milk with 3.5 per cent fat and 8.5 per cent SNF (Solid-Not-Fat) is being purchased at Rs 28-39/ litre as against the earlier rates which were above Rs 20. Farmers have asked for government intervention to ensure they get a proper price for their produce. The present rates, they said, were not tenable

for them to continue their procession. Dairy farmers in Pune, Ahmednagar had agitated outside the office of the dairies as well as the tehsildars to ask for justice.

Dairies said they are unable to pay higher prices given the excess milk and low demand for dairy based products. Co-operative dairies said the excess milk is being converted into skimmed milk powder but the low prices of the commodity in the international market are a hindrance to exporting it.

Katraj's decision to slash its price for consumers is seen as an effect to pass on benefits to the end consumer. Also by lowering prices, the dairy hopes to increase sales and reduce collection of excess milk.

COUNTRY FACES FODDER CRISIS, MILK PRICES MAY RISE

NOV 30, 2023

<https://dairynews7x7.com/country-faces-fodder-crisis-milk-prices-may-rise/>

New Delhi: India is facing a major shortage of dry fodder, according to two scientists at the Indian Grassland and Fodder Research Institute (IGFRI), pointing to a supply gap that could further inflate milk prices. The shortage of between 25% and 90%



of the critical livestock input is put down to increased cattle population, low availability of grassland area, stubble burning and use of paddy straw—that would otherwise become fodder—for ethanol production. The 25% shortage in dry fodder is in mainland regions, but it's much more pronounced in northeastern states and Himachal Pradesh, where it is up to 90%, according to one of the scientists at the Jhansi-based research institute. Both scientists spoke anonymously to Mint. The development assumes significance because retail milk prices have shot up year-on-year, as fodder, a key feed ingredient for livestock, has become more expensive. On Sunday, the all-India average retail milk price stood at 57.52 a litre against 54.9 during the corresponding period last year. Fodder makes 70% of the cost of livestock management, with the remaining 30% going on breeding and healthcare, this person said. The second scientist said the shortage of dry fodder is mainly because of the diversion of paddy straw to industry for ethanol production, shrinking grassland and an exponential rise in livestock population. India's cattle population has gone up from 40 million at Independence to 527 million now, as per the 20th Livestock Census, released by the ministry of fisheries, animal husbandry and dairying in June. However, the area

described a grassland has remained nearly the same as at Independence. The growing mechanization of agriculture has also impacted the natural sources of dry fodder, such as the crop residue generated from husking of paddy, wheat, pulses, and oil meal cakes, the second person said, adding that 40% of crop residue is utilized for livestock feed. Currently, India is dealing with a fodder crisis with the daunting challenge of producing enough feed and fodder from an already shrinking land resource. As per the Land Use Statistics 2018-19, out of India's landmass of 328.7 million hectares, 139.3 million hectares is the net sown area and 197.3 million hectares the gross cropped area. Additionally, erratic fodder supply during the summer months or a drought-like situation widens the gap in the supply chain. The recently estimated deficit in green fodder is 11.24%, and 23.4% in the case of dry fodder. "The shortage is regional and seasonal as well. During monsoon, production increases while in summer, it reduces to a minimum level. The grassland area is declining. We are demanding for creation of national grassland authority with the mandate to identify all grassland areas available in the country and work on its sustainable use," the second scientist said. Queries sent to the animal husbandry and dairying department, agriculture department and IGFRI remained unanswered at press time. India ranks fourth in global feed production with 43.3 million tonnes. The global animal feed market was \$501.9 billion in 2022 and is expected to grow to \$606.3 billion by 2028, according to the International Feed Industry Federation. As per the Food and Agriculture Organization, the world has to produce 60% more food by 2050 to feed a total population that is expected to rise to 9.3 billion. This also has implications for animal-based protein production, which has to increase.

NATURAL LIVESTOCK FARMING TO REDUCE ANTIBIOTIC USE IN DAIRY SECTOR

NOV 30, 2023

<https://dairynews7x7.com/natural-livestock-farming-to-reduce-antibiotic-use-in-dairy-sector/>



In the world-wide quest for dairy modernisation, the focus on crossbreeding and productivity increase of dairy cattle has — besides enhanced milk production — also resulted in high use of agro-chemicals. The use of antibiotics for common cattle diseases, such as udder infection and diarrhoea, is widespread. This contributes to the global threat of anti-microbial resistance (AMR).

Natural Livestock Farming approach

Since 2014 farmers, livestock scientists and veterinarians from Ethiopia, Uganda, India and the Netherlands have joined forces under the umbrella of the Natural Livestock Farming Foundation (NLF).

This international network on knowledge development for livestock health is re-valuing time-tested methods, such as use of medicinal plants and strategic use of local breeds, to be applied in a modern context. NLF combines knowledge from various backgrounds including farmer knowledge, western veterinary science and ayurveda.



The foundation improves cattle health on basis of the NLF 5-layered approach (van't Hooft et al., 2017) comprising:

Appropriate management of animals, farm and soils

Strategic use of local breeds, strategic crossbreeding

Ethno-veterinary practices (EVP): use of herbs and natural products

Food quality improvement and control

Better farm income through cost reduction and direct marketing

NLF core activities are action research, exchange of best practices, and training. The combination of bottom-up experimentation and international peer-to-peer exchange is additional to existing initiatives in the field of AMR control.

This opens up opportunities that more conventional livestock development programmes fail to unlock, providing opportunity for increased farm income, better child nutrition, food safety & security, as well as improved environment.

Results in smallholder dairy system

EVP as part of the NLF 5-layer approach is gradually being adopted, especially within countries with smallholder dairy farmers. The main example being India, the largest dairy producer in the world, based on 98 per cent zero-grazing smallholder dairy farmers with 2-5 cows.

Over the past decade, NLF India (a collaboration between GLOHMSIWA Research Labs Pvt Ltd and Trans Disciplinary University) has trained a total 30,000 farmers and 2,000 veterinarians on efficient use of herbs for cattle health, also known as EVP. (M.N.B. Nair, 2019)

Since 2017, the method has been adopted by the National Dairy Development Board. Through an online reporting system, the empirical data of more than 556,000 cases of 30 bovine diseases cured with herbal medicine were recorded. An overall average cure rate of 82 per cent, as well as an 87 per cent reduction of antibiotic use were registered within two years after the training.

NLF in Ethiopia (headed by Ethiopian Society of Animal Production ESAP), implemented an action research based on the NLF approach in two zero-grazing smallholder dairy communities.

Experts from NLF India headed a training on the use of medicinal plants (mainly kitchen herbs), while organisations collaborating with NLF Netherlands guided training on laboratory skills and calf management.

In two years, the approach has shown significant improvement in milk quality (eight per cent antibiotic residue reduction) and quantity (over 50 per cent increase), farm income (33 per cent increase), while calf mortality was reduced by 60 per cent.

Average costs for cattle health were reduced by 20 per cent. The outcomes of this pilot will have a bearing in supporting the Ethiopian Ministry of Agriculture in improving milk quality and to scale up the strategy into various dairy programmes.

The initial focus of NLF in Uganda (headed by the Lake Mburo Farmers Cooperative Society) was on natural control of ticks and tick-borne diseases among smallholder ranging cattle.

A herbal recipe based on local plants was developed by experts from NLF India and tried out in 2017-2018. In recent years the society has also focused on diversifying farm activities including value addition and local marketing of dairy products.

Results in large-scale dairy

Since the start of NLF in the Netherlands in 2015, around 400 farmers and 50 veterinarians have joined the activities. The antibiotic use for mastitis in the dairy sector used to be high, with dry cow treatment a common practice.

Since 2014, a one-to-one relationship between farmers and veterinarians on the use of antibiotics was enforced by the government, with mandatory (national) registration of antibiotic use. As a result, the use of antibiotics in the total livestock production systems was reduced to around 70 per cent compared to 2009, though the decrease is now stagnating.

In the Dutch dairy sector, increased use by farmers of ready-made natural products was one of the major changes for mastitis prevention and cure. Moreover, farmers started to re-introduce herbs in the cattle feed and ray-grass monoculture grasslands.

This exposed the lack of knowledge among farmers and veterinarians, both about herbal grassland management and the safety of herbal products. Since 2018, NLF in the Netherlands has trained farmers and veterinarians on the safe use of herbal products and herbal grassland management. The Dutch government has invested in the spread of knowledge on natural remedies via so-called Barn-books (Groot et al., 2021).

EVP for improving milk quality

In dairy development, the main focus has been on maximising cattle productivity and milk quantity. At this point in time, the crisis with AMR obliges the sector to look beyond this and focus on both milk quantity and milk quality. Meanwhile, knowledge and skills about practical ways to reduce the use of antibiotics at farm level without harming cattle health and wellbeing are lacking.

The strategic collaboration headed by NLF has brought about a road map on improving cattle health and milk quality. Now that proof of concept about the NLF approach including EVP is available it is time for further upscaling into mainstream dairy policies, extension and education.

For this, NLF is reaching out to non-profits, governments, research institutes and funding agencies, while organising webinars, field level pilots and international exchanges.

Katrien van't Hooft is Executive director Natural Livestock Farming Foundation (NLF); director Dutch Farm Experience, Netherlands

MNBNair is Head NLF in India, Head Department Ethno Veterinary Science and Practice of trans Disciplinary University

KARNATAKA'S BAN ON FODDER PUTS DAIRY FARMERS IN WAYANAD IN A FIX

NOV 29, 2023

<https://dairynews7x7.com/karnatakas-ban-on-fodder-puts-dairy-farmers-in-wayanad-in-a-fix/>

Karnataka govt. bans transportation of fodder from drought-affected districts to other districts and outside the State, adversely affecting dairy farmers in Wayanad. KCMMF stopped subsidised green maize distribution in October



A recent order of the Karnataka government to ban the transportation of fodder, including green maize forage, from Karnataka to Kerala has put thousands of dairy farmers in Wayanad, a major dairy farming region of the State, in a fix.

“Thousands of farmers in Malabar region, especially in Wayanad district, depend on the neighbouring districts of Karnataka for fodder like green maize, green grass and hay to feed their cattle,” says B.P. Benny, president, of the Wayanad Primary Milk Societies’ Association. However, the Karnataka government issued an order on November 22 prohibiting transportation of fodder from drought-affected districts of Karnataka to other districts or outside the State, Mr. Benny added.

“The Karnataka government also hopes to increase milk production in that State through the restriction,” he said.

The farmers in Wayanad were procuring green maize at ₹5 per kg from agents who procured it from Karnataka, A. Saseendran, a dairy farmer at Panamaram, said. Earlier, Kerala Cooperative Milk Marketing Federation (KCMMF), known by the brand Milma, had been providing green maize and green fodder bought from Karnataka at a subsidised rate, but it stopped the distribution from October, he added.

Seeking intervention

“More than 100 tonnes of green maize used to be transported to Wayanad each day and it was a great help to the dairy farming community. Dairying is not a lucrative business now owing to the increasing price of cattle feed and low farm gate price of milk. The dearth of green fodder will adversely affect the farmers at the beginning of summer and it will lead to a drastic fall in milk production, Mr. Benny said. Hence a quick intervention of the state government was the need of the hour,” Mr. Benny said.

Meanwhile, T. Siddique, MLA sought the intervention of Minister for Animal Husbandry and Dairy Development J. Chinju Rani to address the issue. In a representation to the Minister, Mr. Siddique said that Karnataka had banned the transportation of fodder to the State and the situation will affect thousands of dairy farmers in the district as most of them were depending on the produce from Karnataka.

AAVIN'S MILK SALES GO UP, CROSS 15 LAKH LITRES PER DAY, SAYS MINISTER

NOV 29, 2023

<https://dairynews7x7.com/aavins-milk-sales-go-up-cross-15-lakh-litres-per-day-says-minister/>



Aavin has increased milk sales from over 14.3 lakh litres per day in Chennai during May this year to over 15 lakh litres per day now, Minister for Milk and Dairy Development T. Mano Thangaraj said on Monday.

During an interaction with The Hindu at the Secretariat, Mr. Thangaraj said the revenue from the sales of milk products have increased from ₹1.52 crore a day to over ₹2.4 crore a day. The average milk procurement from farmers during October this year was over 28.39 lakh litres a day, while the sales of milk during this month stood at over 30.38 lakh litres a day, he said.

When responding to a query, the Minister spoke about Aavin having introduced a new variant — Delite, which has 3.5% fat and 8.5% SNF (nutrient portion known as solids non fat) and in addition has Vitamin A and D.

“We wondered about the necessity to include more fat and so we are selling it without any addition or reduction of fat. We want to make available to people such a product. The medical world too says there is no need for additional fat for a normal human being,” the Minister contended.

If people wanted milk with less or more fat in it, Aavin has two options for them too — blue, for those who want less fat and orange for those who want more fat, he said. Delite is priced at ₹44 a litre and none in the country was selling milk with 3.5% fat and other nutrients at ₹44 a litre, he maintained.

Since his assuming office in May this year, the Minister said he has introduced several reforms in various sections of the Dairy Development department, which has yielded results.

Of the 11,000 plus primary milk producers’ cooperative societies across the State, about 1,000 were liquidated, another 1,000 were dormant and only over 9,400 were actively involved in milk procurement in May this year, he said.

“Since the time I took over, 373 more societies began procurement. These societies were either newly-formed or the liquidated and dormant ones were made active. This brought in 10,000 litres milk more a day,” the Minister said.

Asked about the charges levelled against Aavin by BJP State president K. Annamalai recently, Mr. Thangaraj said they were “non-sensical”

and an “anti-campaign” carried out only to benefit a “Gujarat company”.

“They want to malign the image of Aavin so that Aavin gets a bad name among the people and it would help other companies trying to expand in Tamil Nadu,” Mr. Thangaraj charged.

Since assuming office, the Minister said he has ensured that over 31,000 farmers have obtained loans to the extent of ₹105 crore for cattle maintenance and over 14,000 farmers got loans for purchasing milch cows. Over 71,000 applications for loans were presently being scrutinised.

Mr. Thangaraj maintained that there was no delay in payment made to farmers over procurement and dues were being cleared within a period of 10 days. As for the other reforms, he said that contract workers in Aavin were being paid in their bank accounts and electricity bills were reduced by about ₹42 lakh.

About 390 officers were being sent in four batches for training in administrative practices, while quality control officials were being trained in FSSAI standards.

DAIRY FARMERS POUR MILK AT INDAPUR ON PUNE-SOLAPUR HIGHWAY

NOV 29, 2023

[HTTPS://DAIRYNEWS7X7.COM/DAIRY-FARMERS-POUR-MILK-AT-INDAPUR-ON-PUNE-SOLAPUR-HIGHWAY/](https://dairynews7x7.com/dairy-farmers-pour-milk-at-indapur-on-pune-solapur-highway/)

Indapur, 27th November 2023: Farmers in Indapur, Pune district of Maharashtra, took to the streets yesterday, staging a protest on the Pune-Solapur national highway to demand fair pricing for milk and support for the agricultural sector. The demonstration, led by young farmers Omkar Sarde and Sagar Petkar from Kandalgaon, aimed to draw attention to the challenges faced by milk producers.



The farmers poured milk on the highway and blocked the road, symbolizing their distress over the declining prices of milk. Speaking to the media, Sarde and Petkar highlighted the continuous fall in milk prices, which has now dropped from Rs 35 to Rs 25 per litre, causing significant financial losses to milk producers. The protest aims to urge the government to

take action against both government and private milk projects that fail to pay the guaranteed rate fixed for milk.

The farmers presented a list of demands, including fixing the milk rate at Rs 40 per litre, establishing fodder depots for animals, ensuring food supply from the government, starting a veterinary clinic in every village, submitting a report on adulteration prevention activities for the last five years, initiating a free insurance cover scheme for animals, and establishing a Milk Rate Value Commission.

The protesters emphasized that the agricultural sector is already grappling with the uncertainties of weather, with little rainfall this year, adding to the challenges faced by farmers. If their demands are not met, the farmers threaten to escalate their agitation in the future.

Police Inspector Dilip Pawar and Mandal officer Sopan Hagare accepted the statement of the agitators during the protest.

J&K GOVT CATALYSES DAIRY REVOLUTION BY EMPOWERING ENTREPRENEURS

NOV 29, 2023

<https://dairynews7x7.com/jk-govt-catalyses-dairy-revolution-by-empowering-entrepreneurs-uplifting-rural-economy/>

In a visionary move, the Jammu and Kashmir Government has introduced compelling schemes to uplift the dairy sector, directly impacting the socio-economic fabric of the region.



Meet Manzoor Ahmed, who transitioned from a small dry fruits shop owner to a successful dairy entrepreneur in Bankoot, Ramban district. Through the Integrated Dairy Development Scheme (IDDS), he now runs a flourishing dairy farm, selling 200 litres of milk daily, recording monthly sales of Rs 3 lakh, and providing employment to locals. His story exemplifies the transformative power of government-backed financial assistance.

Expressing gratitude for the support, Ahmed plans to upgrade his farm with advanced machinery, including milking machines, milk coolers, ATM milk machines, and a Genset. Simultaneously, the government's emphasis on co-operatives, such as the Jammu and Kashmir Milk Producers Cooperative Limited (JKMPCL), aims to boost milk production capacity from 50,000 LPD to an impressive 3 lakh LPD.

Tahir Ahmad Rather's success story from Bandipora adds another chapter to this narrative. Starting his dairy farm in 2020 with guidance from the Animal Husbandry Department, he

now manages a thriving enterprise, distributing 90-95 litres of milk daily and contributing to the milk needs of Bandipora.

Acknowledging the impact of such endeavours, the Jammu and Kashmir administration has declared Jerri settlement in Reasi district as the first 'milk village', while 57 more dairy farms are sanctioned under the IDDS.

Beyond financial assistance, the government is actively intervening in genetic up-gradation of cattle, cattle induction, fodder development, milk procurement and processing, health coverage, and risk management. Under the leadership of Lieutenant Governor Manoj Sinha, the administration is committed to doubling farmers' income and prioritizing dairy development through various schemes and initiatives.

The Integrated Dairy Development Scheme (IDDS) stands out by not only providing financial aid but also offering crucial support to dairy producers, including milking machines and bulk milk cooling units at a 50% subsidy. With prestigious flagship schemes like Rashtriya Gokul Mission, DDS, F&FDS, and others, the dairy sector is experiencing a transformative upgrade, generating employment opportunities, fostering entrepreneurship, and paving the way for commercial dairy farming.

This strategic approach has propelled milk production in the valley to grow by over 250% in the last two decades, boasting more than 50,000 operational commercial dairy units. Despite urban growth, the dairy sector remains a cornerstone in maintaining safe, resilient, and sustainable rural areas.

INCREASED TURNOVER FOR DIMUL DESPITE SLUMP IN MILK COLLECTION

NOV 29, 2023

<https://dairynews7x7.com/increased-turnover-for-dimul-despite-slump-in-milk-collection/>



The Dimapur District Cooperative Milk Producers' Union Ltd (DIMUL) in Nagaland state affected a 33 percent increase in sales registering a turnover of Rs 23.5 crore for the year 2022-23. The most well known milk producers union in the state, better known by its acronym— DIMUL, has a Central Dairy Plant in 7th Mile with a capacity of handling 10 thousand litres per day (TLPD) commissioned under the Integrated Dairy Development Project (IDDP) during the 8th Five Year Plan (1992-97).

DIMUL's annual general meeting was held on November 27, at its central plant, where it was informed that the milk procurement for 2022-23 was 11.3 lakh litres averaging 3118 litres a day. The procurement in 2021-22 was 12.4 lakh litres while the turnover was Rs 17.6 cr.

The increased turnover was affected by DIMUL milk and milk products registering increased sales. As per the annual report, sale of toned milk increased by 19.5 percent, cow milk by 7.1 percent, lassi by 31.6 percent, Misti Dahi by 33.6 percent, plain dahi by 33.1 percent, ice cream by 47.7 percent and paneer sales recording a 235.2 percent jump. The total profit for 2022-23 was estimated to be Rs 15 lakhs.

According to Dr Vikovor Nipu, Manager, Processing & Quality, the dairy industry is making its presence felt in a place where milk culture

was non-existent. He attributed the success to the farmers, who have come together to take up dairy farming as an economic activity. He informed that DIMUL is continuing effort to up-scale production with awareness activities oriented towards improving farmers' knowledge on fertility and breeding management of dairy cattle.

The Deputy Registrar of Cooperative Societies, Imnanukshi, who attended the meeting, placed emphasis on enhancing production. While estimating that at least 7000 litres per day would be required to meet the demands of the market, he said, "We are doing quite well but I would want you to put in more effort to increase collection." He urged the producers to take collective ownership of the plant and strive to provide good quality milk.

Awards were also handed away to the associate milk farmers and members of the dairy group in recognition of their contribution to the milk industry. Highest Pouring Dairy Cooperative Society (DCS) awarded to SEMPCS, Urra Village; Best Secretary award went to Chatra Thapa of Bhola DCS, Singrijan; Best Producer award went to P Mishra; Best Quality award went to Gopal Sharma; Best employee award went to Narayan Sharma; Best Retailer award went to M/s Supriya Paul and Best Dealer award went to M/s Z Chale, Kohima.

FROM BUTTER TO BIOCNG: AMUL MARKETER GETS FUTURE READY

NOV 28, 2023

<https://dairynews7x7.com/from-butter-to-biocng-amul-marketer-gets-future-ready/>

Amul doesn't want to remain merely a part of the white revolution but aims to be an active participant in India's go green story. After tasting success with its BioCNG pilot project in Banas Dairy, Gujarat, it is now striving to become a key player in representing the circular economy.



Four new plants are coming up in Banaskantha with an investment of ₹230 crore, said Jayen Mehta, Managing Director of Amul marketer Gujarat Cooperative Milk Marketing Federation (GCMMF), in a quick chat with businessline said.

The timing seems to be perfect as the Union government has just announced the mandatory blending of Compressed Bio-Gas (CBG) in CNG (transport) and Piped Natural Gas (domestic) segments of the City Gas Distribution sector. In a statement on Saturday, the Ministry of Petroleum & Natural Gas said that the "CBG Blending Obligation (CBO) will promote production and consumption of CBG in the country."

Hardeep Singh Puri, Minister of Petroleum & Natural Gas and Housing & Urban Affairs, said that this is a major step towards enhancing the use and adoption of CBG. The National Biofuels Coordination Committee (NBCC), chaired by Puri, on Saturday, announced the introduction of phase-wise mandatory blending of CBG in CNG and PNG segments.

The key objectives of the CBO are to stimulate demand for CBG in the CGD sector, substitute imports for Liquefied Natural Gas (LNG), save on Forex, promote a circular economy, and assist in achieving the target of net zero emission etc., the statement said.

According to the statement, the CBO will be voluntary till FY 2024-2025 and mandatory blending obligation will start from FY 2025-26. The CBO shall be kept as 1 per cent, 3 per cent, and 4 per cent of the total CNG/PNG consumption for FY 2025-26, 2026-27, and 2027-28, respectively. From 2028-29 onwards, the CBO will be 5 per cent. A Central Repository Body (CRB) will monitor and implement the blending mandate based on the operational guidelines approved by the Petroleum & Natural Gas Minister.

"The pilot project, exemplified by the Banas BioCNG Plant initiated by Banas Dairy, has been successfully running for the past three years. It has supplied clean fuel to approximately one lakh CNG vehicles in the district and has become a prime example of a project benefiting multiple stakeholders," Mehta said.

"This initiative not only provides farmers with an additional income source but also offers clean fuel and organic fertiliser. It helps reduce the government's financial burden on chemical fertiliser subsidies and import of fuel. Processing over 3.4 crore kg of dung underscores the positive and sustainable impact of this project on both the agricultural and energy sectors," he said.

Mehta had first shared this green initiative at the businessline Changemaker awards held recently.

On what kind of investment is required to set up a plant, he said it is similar to other initiatives like — land, plant, machinery, etc. Other investments required are: Raw material collection infrastructure, development and R&D for the production of gas at a cheaper cost by providing maximum benefit to farmers, farmer awareness of the fertiliser, and market development for the gas and fertiliser, he elaborated.

But how will this fuel be flown into the market? To this, Mehta said, “The introduction of BioCNG into the market follows a two-fold strategy. Firstly, BioCNG, being similar to CNG, can seamlessly be utilised as an alternative fuel for CNG vehicles, as exemplified by its current usage in Banas Dairy’s Dama Plant. This direct application in existing CNG vehicles ensures a smooth integration into the market. “

“Secondly, aligning with government mandates, there will be subsequently a mandatory introduction of a five per cent CBG mandate for all organisations involved in marketing natural and [biogas](#). This regulation will create a structured framework for the inclusion of biogas into the market, promoting its adoption across various sectors.”

These combined approaches aim to establish BioCNG as a viable and regulated alternative in the market, catering to both existing vehicle

fleets and the evolving regulatory landscape, he added.

On challenges that can come in way, he said: “Several challenges are anticipated in the implementation of the BioCNG project: like creating awareness among farmers about the benefits of organic products, such as the fertilisers derived from the BioCNG production process, poses a significant challenge. Educational initiatives and outreach programs will be essential to inform and engage farmers in adopting these organic alternatives.”

Also, the existing substantial subsidies on chemical fertilisers may act as a barrier to the widespread adoption of organic fertilisers produced from BioCNG plants, he said adding “Overcoming this challenge involves demonstrating the long-term benefits and efficiency of organic alternatives, potentially through targeted government policies or incentives.”

On the success of this initiative, he said, “Milk producers of five villages poured Gobar of 3.46 crore kg as on date in last 2.5 years. Cattle owners of one milk producers’ society of Banas dairy Namely Sherpura has earned ₹1,03,00,000 in the last 2.5 years. One dung pourer, Rajaji Magnaji Rajput of Yavarpura village, earned ₹5,88,000 from cow dung in last 2.5 years.”

FACING EVICTION, A DAIRY FARMER KILLS SELF IN KANNUR

NOV 28, 2023

<https://dairynews7x7.com/facing-eviction-a-dairy-farmer-kills-self-in-kannur/>

Kannur: Days after receiving an eviction notice from a bank, a dairy farmer died by suicide in Kannur on Monday. Kolakkad native M R Albert (73) was found hanging in his residence.



Albert reportedly died by suicide when his wife went to church on Monday morning. Manorama News reported that he had borrowed over Rs 2 lakh from the Peravoor branch of Kannur District Co-operative Bank. As he failed

to repay the loan, the bank served an eviction notice on him on November 18.

Police have recovered this notice from his residence. Police said they would investigate in detail to confirm the reason behind Albert's death.

He had served as the president of Kolakkad Dairy Co-operative Society for 25 years.

Farmer suicides are on the rise in Kerala. On November 10, a farmer named K G Prasad from Alappuzha's Thakazhy died after consuming poison. In his suicide note, he blamed the government for leaving him in debt. A few days after Prasad's suicide, Thomas alias Joy, a dairy farmer in Wayanad found hanging from a tree. His relatives said that he had accumulated a debt of over Rs 10 lakh.

MILK PRODUCTION WAS ESTIMATED AT 230.58 MILLION TONNES IN FY 23

NOV 28, 2023



Union Minister Shri Parshottam Rupala releases Basic Animal Husbandry Statistics 2023 during National Milk Day event at Guwahati today

Milk production in the country is estimated as 230.58 million tonnes during 2022-23 registered a growth of 22.81% over the past 5 years: Shri Parshottam Rupala

Union Minister informed that Highest milk producing State during 2022-23 was Uttar Pradesh with a share of 15.72 % of total milk production

Egg production in the country has estimated as 138.38 billion nos. during 2022-23 registered a growth of 33.31% growth over the past 5 years: Shri Rupala

Union Minister Shri Rupala informed that Major contribution in the total Egg production comes from Andhra Pradesh with a share of 20.13 % of total Egg production

Meat production in the country is estimated as 9.77million tonnes during 2022-23: Shri Parshottam Rupala

Union Minister for Fisheries, Animal Husbandry & Dairying Shri Parshottam Rupala released the Basic Animal Husbandry Statistics 2023 (milk, egg, meat and wool production 2022-23) based on Animal Integrated Sample Survey (March 2022-February 2023) during the National Milk Day event at Guwahati today. The main features of the Basic Animal Husbandry Statistics are:

Milk, Egg, Meat and Wool Production 2022-23

Union Minister Shri Parshottam Rupala informed that the Production of Milk, Egg, Meat and wool in the country is estimated annually based on the results of Integrated Sample Survey (ISS) which is conducted across the country in three seasons i.e., Summer (March-June), Rainy (July-October) and Winter (November-February). The estimates of milk, egg, meat and wool for the year 2022-23 have been brought out and the outcomes of this survey are summarised below:

Milk Production:

Union Minister Shri Rupala informed that the total Milk production in the country is estimated as 230.58 million tonnes during 2022-23 registered a growth of 22.81% over the past 5

years which was 187.75 million tonnes in 2018-19. Further, the production has increased by 3.83% during 2022-23 over the estimates of 2021-22. In past, the annual growth rates were 6.47% in 2018-19; 5.69% in 2019-20; 5.81% in 2020-21 and 5.77% in 2021-22.

Minister stated that the highest milk producing State during 2022-23 was Uttar Pradesh with a share of 15.72 % of total milk production followed by Rajasthan (14.44 %), Madhya Pradesh (8.73 %), Gujarat (7.49 %), and Andhra Pradesh (6.70 %). In terms of annual growth rate (AGR), the highest AGR recorded by Karnataka (8.76%) followed by West Bengal (8.65%) and Uttar Pradesh (6.99%) over the previous year.

Egg Production:

Shri Parshottam Rupala stated that the total Egg production in the country has estimated as 138.38 billion nos. during 2022-23 registered a growth of 33.31% growth over the past 5 years as compared to the estimates of 103.80 billion numbers during 2018-19. Further, the production has increased annually by 6.77% during 2022-23 over 2021-22. In past the annual growth rate was 9.02% in 2018-19; 10.19% in 2019-20; 6.70% in 2020-21 and 6.19% in 2021-22.

Shri Rupala informed that the Major contribution in the total Egg production comes from Andhra Pradesh with a share of 20.13 % of total Egg production followed by Tamil Nadu (15.58 %), Telangana (12.77 %), West Bengal (9.94%) and Karnataka (6.51 %). In terms of AGR, the highest growth rate was recorded by West Bengal (20.10%) and followed by Sikkim (18.93%) and Uttar Pradesh (12.80%).

Meat Production:

Union Minister stated that the total Meat production in the country is estimated as 9.77 million tonnes during 2022-23 registered a growth of 20.39 % over the past 5 years as compared to the estimates of 8.11 million tonnes in 2018-

19. Further, the production was increased by 5.13 % in 2022-23 over 2021-22. In the past the growth rate was 5.99 % in 2018-19; 5.98 % in 2019-20; 2.30% in 2020-21 and 5.62 % in 2021-22.

He further stated that the Major contribution in the total meat production comes from Uttar Pradesh with 12.20 % share and followed by West Bengal (11.93 %), Maharashtra (11.50 %), Andhra Pradesh (11.20 %) and Telangana (11.06 %). In terms of annual growth rate, the highest Annual Growth Rate (AGR) has recorded in Sikkim (63.08%) followed by Meghalaya (38.34%) and Goa (22.98%).

Wool Production:

Shri Rupala informed that the total Wool production in the country is estimated as 33.61 million kg during 2022-23 registered a negative growth of 16.84% over the past 5 years as compared to the estimates of 40.42 million kg during 2018-19. However, the production has increased by 2.12% in 2022-23 over 2021-22. In past the growth rates were -2.51% in 2018-19; -9.05% in 2019-20, - 0.46% in 2020-21 and 10.87% in 2021-22.

He informed that the Major contribution in the total Wool production comes from Rajasthan with a share of 47.98% followed by Jammu & Kashmir (22.55%), Gujarat (6.01%), Maharashtra (4.73%) and Himachal Pradesh (4.27%). In terms of annual growth rate, the highest AGR has recorded by Arunachal Pradesh (35.75%) followed by Rajasthan (6.06%) and Jharkhand (2.36%).

Dr JPS Gill, Director of Research, congratulated the team led by Dr Sethi and opined that by providing a supportive ecosystem for budding entrepreneurs, the University will nurture their ideas and help them transform into successful businesses, contributing to the growth and development of the livestock sector.

GADVASU WILL ESTABLISH MAIDEN DAIRY BASED INCUBATION CENTRE

NOV 24, 2023

<https://dairynews7x7.com/vet-varsity-will-establish-punjab-maiden-dairy-based-incubation-centre-with-rs-4-23-crores/>



Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana is gearing up to establish Punjab's maiden Dairy-Based Inclusive Technology Business Incubation (i-TBI) Centre at university campus with project cost of Rs. 4.23 crores. The endeavor is set to receive significant financial backing from the Department of Science and Technology (DST). Dr Inderjeet Singh, Vice Chancellor said that this would be the first of its kind Dairy Innovation & Incubation Centre in the region which would boost innovations leading to entrepreneurship and self-employment in the livestock sector. This initiative aligns with our vision of creating a sustainable and technologically advanced dairy ecosystem.

As Punjab takes a significant stride towards a tech-driven dairy future, the establishment of this incubation center marks a pivotal moment in the state's agricultural history. With Vet Varsity at the helm and DST's financial backing, the center is poised to emerge as a catalyst for transformative change, propelling Punjab to

the forefront of the dairy industry's technological revolution.

Dr R S Sethi, Additional Director of Research cum Principle Investigator, informed that (i-TBI) is a three-year initiative supported by DST for educational institutions, idea-generators, innovators and entrepreneurs to support the innovative ideas, startup initiatives and promote self-employment and job creation through incubation. Dr Sethi said that DST will provide Rs 4.23 crores to establish this Centre which will support startups by providing maker space, conference spaces, and other amenities. In addition, financial support in the form of seed money would also be provided on an individual basis in accordance with DST criteria.

Dr JPS Gill, Director of Research, congratulated the team led by Dr Sethi and opined that by providing a supportive ecosystem for budding entrepreneurs, the University will nurture their ideas and help them transform into successful businesses, contributing to the growth and development of the livestock sector.

AMUL CONTINUES TO RUN BECAUSE OF THE 1.4BILLION PEOPLE: JAYEN MEHTA

NOV 24, 2023

<https://dairynews7x7.com/amul-is-one-engine-that-continues-to-run-because-of-the-1-4-billion-people-jayen-mehta/>



The Managing Director of Amul India spoke at the Pitch Brand Talk summit about the brand continuing to stay relevant for the Indian consumer.

The Pitch Brand Talk summit held in Delhi on November 22 saw an enviable collective of industry leaders from across the country for a day of conversations and networking. The event was crowned by a keynote address by Jayen Mehta, Managing Director, Amul India, on 'How Amul Continues To Stay Relevant To The Changing Tastes Of The Indian Consumer'.

In a powerful speech delivered over half an hour, Mehta retraced Amul's brand journey for the last 77 years, as well as what the company is trying to achieve over the next couple of decades. "This is a story which has actually made the country proud. From being a milk-deficient nation to becoming the largest producer of milk in the world, to becoming a dairy to the world is a very, very logical journey that Amul is looking at taking on further in the decades to come. But more importantly, now is the power of cooperatives as a model for development. This has been demonstrated amply by this model now recognized by the government and the policymakers," said Mehta.

For instance, he noted that Amul has been rated as the strongest dairy brand in the world and the second strongest food brand in the world, and also among the top five brands in India with the consumers' trust. "We do close to 300 lakh litres of milk every day, which is about 10 billion litres. Our turnover last year was about \$9 billion, about Rs 72,000 crore. And in terms of the volume of milk handled, we would be the eighth-largest dairy company in the world. India is a large country but Amul operates within one geography, which is largely Gujarat. So, the company from one province of a country trying to be in the top 10 to being in the top-10 and then going into the top five in the next few years is a journey which is quite remarkable and also a source of livelihood for the millions of farmers who are attached to it."

Mehta went on to describe the impact that Amul has had on farmers' lives and the indelible connection between Amul's growth trajectory and India's successes over their shared histories. And it is that connection that has helped that success. He also spoke about Amul's role in empowering women and their increasing role in financial decision-making and independence.

“So, the largest food company, largest FMCG brand in the country is not owned by a corporation. It’s not owned by the government. It is owned by 3.6 million farmers and it is the farmers who get the pride of ownership as not just a supplier of milk and getting the best price of milk, but also as a owner of a large organization, a large brand, a trusted brand. And no other model can do this, but for a cooperative, and we started as a farmers’ movement. And for every Rs 100 you spend on Amul, 80 per cent of that goes back to the farmers, something that happens nowhere else in the world,” pointed out Mehta.

Saying that Amul was committed to women-led development rather than women’s development, Mehta pointed out that dairy is an industry which is largely done by women and their role is getting recognized and more importantly the collective effort has made milk the largest agricultural crop of India, the value of output of milk is more than Rs 10 lakh crore rupees, and it is about a fifth of India’s GDP and a third of India’s agricultural GDP. Wheat, paddy, oil seeds put together is actually less than milk.”

And that naturally brought the focus around the front end of the business and the growing appetite and palate of Indian consumers, and how Amul plans to fill that void.

“As consumers, we all want products to enjoy, nutrition, and more importantly, products which you can enjoy and can afford and continue to consume down the years. The challenge lies in the brand now to create a portfolio of the products, which each of us want in our daily lives. So, if we say instead of just drinking milk, how do we eat milk with every meal and that is the motto under which we work and try to create a diverse range of product portfolio.”

“Sometimes consumers pick out what they want. Sometimes they don’t, but we have to anticipate what the changing customer wants and try to create a portfolio as we do this. The

new product development is a very strong part of our entire business. There are about 120 products in the pipeline under incubation. Every year, we launch 40-50 different types of product extensions and so on and so forth. This is one engine that continues to run because of the 1.4-billion people that we have and their changing tastes and aspirations,” said Mehta.

“But the success of the brand and the trust of the brand can be attributed to the umbrella branding strategy. We spent less than 1 per cent of our turnover on advertising. There’ll be no brand who will be spending such a low value because most of the brands spend five to 12 per cent of the turnover on advertising. But we have to do this because we have a mandate to pass on the largest share to the producer and to do things economically but the consistency is what is making the difference and that’s why the cost, despite spending low, it is very effective. And as an organization, I’ve been here for more than three decades, which has to be very consistent in strategy and execution. And if things are not broken, you don’t need to repair them. You need to build on it, refresh it, revive it, and that’s why since 1994, the Taste of India logo with the symbol and the thought is still in place as more importantly is the ‘utterly but-terly delicious’ messaging, which has been in place since the 1960s.”

“The umbrella brand gives a huge recall value that you see anywhere and your memory goes to the entire range of products that you’re used to consuming. And, of course, the credit goes to the little girl who has kept the brand, very young, very vibrant, very topical, and very happening in the four successive generations of time. This was the first topical that we did and we continue to build on it continuously,” beamed Mehta.

Mehta also spoke about the Amul of the future, from engaging with the metaverse via the Amul-verse and the importance of experiential offerings for consumers.

ASSAM GOVT IDENTIFIES LAND TO SET UP THREE MEGA MILK PLANTS

NOV 24, 2023

<https://dairynews7x7.com/assam-govt-identifies-land-to-set-up-three-mega-milk-plants/>



The Assam government on Thursday said it has identified land at three places to set up mega milk processing plants, with each having a capacity of one lakh litres per day.

Addressing a press conference here, Animal Husbandry and Veterinary Minister Atul Bora said a joint venture company of the National Dairy Development Board (NDDB) and the state government will set up these plants as part of the Assam Dairy Development Plan.

“The JV will establish a total of six mega plants, with each having a milk processing capacity of one lakh litre a day, at different places in Assam. Of these, land for three have been identified in Cachar, Dibrugarh and Jorhat. The process of identifying more land is underway... We are exploring sites in Biswanath as well,” Bora said.

“Simultaneously, we have already revived small defunct processing plants with a capacity of 5,000 litres per day in Guwahati, Bongaigaon and Dhemaji,” he said.

A total of 13 plants were defunct and 10 were not in a position for revival as those were very old, he said.

“The JV has been working since last year. In 2023-24 till now, artificial insemination has

been conducted on 3,74,438 cows, which is 43.37 per cent of our target this fiscal,” he added.

Bora said the Centre will celebrate National Milk Day on November 26 to commemorate the birth anniversary of Dr Verghese Kurien in Guwahati in association with the Assam government.

In January last year, the Assam government and NDDB signed an agreement to create a Rs 2,000-crore joint venture for holistic development of the dairy sector in the state.

As per the MoU, a joint venture company of NDDB and the Assam government would be set up with a target to process 10 lakh litres of milk through six new units in seven years.

Milk from more than 4,100 dairy cooperative societies would be processed, packed and marketed. This will benefit more than 1,75,000 dairy farmers of Assam and increase their earnings.

Two cattle-feed and organic manure manufacturing units will also be set up as per the agreement, while import of high-yielding cattle breeds and artificial insemination will also be taken up.

Furthermore, as part of this dairy development project, more than 15,000 high milk-yielding Gir cows would be inducted into Assam to ensure higher returns to the dairy farmers of Assam.

Under the MoU, the Assam government would be ensuring financial aid and support to the planned interventions of this JV through the departments concerned with the support of the Union government under various schemes.

This joint venture would be guided, mentored and managed by NDDB, wherein NDDB would also be bringing in tried-and-tested technological innovations like sex-sorted semen, Ration Balancing Programme, Ethno veterinary medicine and manure management projects to Assam.

The JV's operations shall be self-sustainable, wherein the initial infrastructure would be financially aided and supported under various schemes of the state and central governments for the development of cooperative dairying.

AAVIN HAS BEEN OPERATING AT A LOSS OF RS 700 CRORE SINCE MAY 2021

NOV 24, 2023

<https://dairynews7x7.com/aavin-has-been-operating-at-a-loss-of-rs-700-crore-since-may-2021/>



Aavin, the largest dairy co-operative of Tamil Nadu and a trusted brand among the households, is now facing a downfall in the market due to reduction in supply of its products, alleged sub-standard quality (with reduction in fat content) and lack of distribution.

It was May 7, 2021. Chief Minister MK Stalin signed an order reducing the price of milk supplied by Aavin by Rs 3 with effect from May 16. Insiders said that this was the first step of the dairy giant's downfall.

"Due to reduction in price of milk by Rs 3 per litre, Aavin's loss per year is Rs 280 crore. Aavin

has been operating at a loss of Rs 700 crore since May 2021," insiders noted.

Echoing this view was Natarajan Vaidyanathan, a major dealer of Aavin since 2005, who said, "To cope with the loss, the Tamil Nadu Cooperative Milk Producers Federation Limited (TNCMPFL), which owns Aavin, hiked the price of orange colour milk sachets containing 6% fat content to Rs 12/litre. But with the sale of orange sachets faltering, Aavin management reduced the 4.5% content in its green sachets to 3.5%. This is one of the main reasons for the deterioration of green sachets that are purchased by more than 40% of Aavin customers."

Further, he added that from September 1, the sale of green milk sachets was stopped in Aavin's own parlours but provided to wholesale dealers without any restriction. "As wholesale dealers sell to customers at higher prices than the MRP, Aavin incurs additional revenue losses," Vaidyanathan pointed out.

Speaking to DT Next, an official of Aavin said that till April 2021, the milk procurement of TNCMPFL was 44 lakh litres/day. Now, non-subsidy to farmers, inadequate supply of live-stock and fodder, delayed payment for buying milk and the entry of Karnataka Milk Federation's Nandini has led to the slump in the procurement of milk to Aavin to 26-28 lakh litres/day.

"For Aavin, there are many problems at the procurement stage itself. Karnataka's Nandini buys milk from TN farmers and producers by subsidising them up to Rs 6/litre. Since Nandini provides the price for the procured milk within 7-10 days, most farmers across the State have started supplying milk to Nandini. This is one of the many challenges Aavin faces," sources pointed out.

Insiders opined that the Dairy ministry and top Aavin authorities had failed to provide a permanent solution to the existing chaos in the Aavin administration. However, officials within Aavin said that the loss incurred by the management due to reduction in milk price can only be saved if the State government provides subsidy.

Meanwhile, pointing out "scientific" reasons, State Minister for Milk and Dairy Development

Mano Thangaraj, on Wednesday, said, "The quality of cow's milk is not altered in any way. Reducing the fat content in green sachets is an effort to keeping customers healthy."

He added that the processed cow's milk was sold with an additional 1% fat content in green sachets, and that the "fat is scientifically unnecessary for today's lifestyle. Moreover, many customers do not want to add solids including fat or protein to their diet. So for promoting a healthy Tamil Nadu, we're highlighting the violet delight sachets instead".

Fluctuations in the price of Aavin milk have burned a hole in the proverbial middle-class pockets. Considering the health benefits attached to consuming 2 glasses of milk and/or its related products every day, dairy is an essential item in an average Indian household.

"Milk provides a large amount of protein and is rich in calcium especially for people who are suffering from bone diseases," opines Dr Preethi Raj, a city-based dietician. Milk has all essential nutrients, which is why children must drink a minimum of 2 glasses milk/day (300 ml), and consume dairy in the form of paneer and other milk products."

For upper middle-class and above, a hike in prices does not pinch pockets as much as it does with the middle-class and lower. "An average middle-class family spends Rs 2,000/month on milk. Anything over and above would make a big dent in their budget as they would have to buy milk for their infants and senior citizens too," points out Prof Dilu Susan Kurian with a private varsity.

BAN ON EXPORT OF DORB A CATTLE FEED INGREDIENT MAY BE EXTENDED

NOV 24, 2023

<https://dairynews7x7.com/ban-on-export-of-dorb-a-cattle-feed-ingredient-may-be-extended/>

The government may extend its ban on exports of de-oiled rice bran (DORB)—a key ingredient of cattle feed—until March next year to keep milk prices in check, a senior official said.



DORB, which is derived when crude oil is extracted from rice bran, is commonly used in animal nutrition products catering to cattle, poultry, horse, pet care, aquaculture (aquafeed), and swine industries, with approximately 80% used in cattle feed.

The fear is that higher exports may hit milk supplies in the domestic market, driving prices further up.

All-India average retail milk prices in November went up by 6% to ₹58.4 a litre from ₹55 a litre during the corresponding period last year.

The Solvent Extractors' Association of India (SEA) wrote to the animal husbandry and dairying department, requesting to not extend the ban as "it could have far-reaching negative consequences for multiple sectors".

"Extension of restrictions could adversely affect paddy farmers, hindering them from realizing better returns on their produce. Moreover, the industry benefits from the export of DORB through enhanced raw material availability for processing, leading to better capacity

utilization, increased employment, and significant value addition," SEA wrote in the letter, a copy of which is available with Mint.

Additionally, by exporting DORB, India gains a measure of self-sufficiency in oil production.

"India, over the years' effort, has successfully developed an export market for DORB, primarily serving Vietnam, Thailand, Bangladesh and other Asian countries, positioning us as a reliable supplier in the international market. An abrupt change in export policy risks damaging this hard-earned market standing."

Since the export ban, rice bran processors in eastern India, a significant producer, have been contemplating shutting down operations, which would impact the rice milling industry and reduce rice bran oil production.

With the start of the new season, processing of rice bran has picked up and availability of de-oiled rice bran has improved, which can be seen from the price falling from ₹18,000 per tonne on 28 July to ₹13,500 per tonne now, said Ajay Jhunjhunwala, president of SEA.

"In view of these facts and the sharp fall in the price of DORB, we requested the government to lift the ban after 30 November."

Unpredictable weather conditions had also affected the availability of feed and fodder.

Queries sent to the animal husbandry and dairying department remained unanswered at press time. The government banned exports of DORB in July, which is in effect till November-end, amid concerns over increasing exports of the cattle feed amid poor paddy crop prospect, pushing domestic prices up.

CID-CB TO PROBE SPURIOUS MILK CASE, DAIRY OFFICIALS UNDER LENS

NOV 23, 2023

<https://dairynews7x7.com/cid-cb-to-probe-spurious-milk-case-dairy-officials-under-lens/>

The Crime Branch (CID-CB) of the Rajasthan Police has taken over the investigation into the adulterated milk case discovered on November 17 at Kaithun near Chaksu in Jaipur.



Orders for the case being shifted from Chaksu police station of Jaipur to the Crime Branch were issued on Wednesday.

The decision to transfer the case was influenced by suspicions surrounding the involvement of several senior officials, including the managing director, quality controller, and vigilance officer of the dairy.

ADGP (Crime) Dinesh MN emphasised the seriousness of the issue saying, "Hazardous synthetic milk products pose a very serious threat to public health. We are intensively investigating to uncover a larger conspiracy

behind the facilitation of numerous spurious milk products."

Police stated that their probe includes a thorough examination of the roles played by senior officials. "The investigation aims to shed light on the reasons and modus operandi behind the production and distribution of adulterated milk products and ensure accountability for those involved in compromising the quality of dairy products because kids also consume these products," said an official.

Preliminary investigations by the police revealed that the role of dairy employees was suspected in the irregularities in bringing milk. "Only local farmers registered at the BMC centre can give the milk. Whereas milk was being ordered from another district at that particular centre which raises questions about how it was being operated," said an official.

He added that the police have not ruled out the possibility of there being a major racket behind the spurious milk distribution in the region.

GOPALAN CONFERENCE HELD IN WEST ODISHA WITH 5000 DAIRY FARMERS

NOV 21, 2023

<https://dairynews7x7.com/the-gopalan-conference-was-held-in-west-odisha-5000-dairy-farmers-attended/>



The Gopalan conference has been organized in West Odisha. In the two-day conference, the participation of dairy farmers was recorded. A total of 6,000 people joined with 5,000 dairy farmers from various districts of West Odisha. District Administration, Department of Fisheries and Wildlife, The conference, which was held at the PhD campus under the auspices of Samul and West Odisha Development Council, was successfully completed. RDC Suresh Chandra Dalai, District Collector Ananya Das, SMC Commissioner Ved Bhushan attended the function organized in the evening.

Appreciated the efforts of all who participated in the conference with the dairy farmers as the two-day conference was a success they said that the conference has increased the interest of dairy farmers to go further in the field of milk production in West Odisha including Sambalpur district in the coming days. On this occasion, successful dairy farmers and successful entrepreneurs were engaged in the conference. 30 companies from outside the state participated in the fair and 22 SHGs also participated in the fair. The conference concluded after a cultural program in the evening.

SUZUKI PLANNING TO SETUP 4 BIO-CNG PLANTS JOINTLY WITH AMUL

NOV 21, 2023

<https://dairynews7x7.com/suzuki-planning-to-setup-4-bio-cng-plants-jointly-with-amul-affiliated-dairy/>

Suzuki is planning to setup 4 Bio-CNG plants jointly with Amul affiliated dairy (Banas Dairy in North Gujarat).



Mr Kenichiro Toyofuku, Director (Sustainability), Maruti Suzuki India Ltd said this on the occasion of Amul Clean Fuel BioCNG Car rally which was flagged off from Pune on Monday.

Mr. Kenichiro said – "Bio -CNG is a highly sustainable mobility fuel option in India, which has a remarkable effect on reducing global warming. According to TERI research, the life cycle CO2 emission per km running of Petrol vehicle, EV and Bio-CNG vehicles are 184g, 150g, and -1,097g respectively. Clearly Bio- CNG is the best carbon minus fuel with a net-zero carbon emission on environment. Suzuki is promoting Bio-CNG and planning to setup 4 Bio-CNG plants jointly with Amul affiliated dairy."

The 1,400-km rally will have 12 BioCNG cars. It started at Khed near Pune, as Amul is putting up a Rs. 500 crore plant having milk processing capacity of 5 Lakh Litre per day and icecream production capacity of 1 lakh litre per day. Milk procurement for this plant will be done from Maharashtra.

The new initiative to convert cow dung into organic manure and biogas has the potential to create a self-sustaining circular economy for dairy farmers. The Amul Clean Fuel BioCNG Car Rally will reach Mumbai on Tuesday. It will travel to Valsad, Surat, Bharuch, Vadodara, Statue of Unity, Godhra, Himmatnagar, Palanpur, Mehsana, and Ahmedabad before reaching Anand on November 26 after covering a distance of more than 1,400 km.

Amul, India's largest FMCG brand valued at Rs. 72,000 crore (\$ 9 billion), is owned by 36 lac farmers contributing over 300 lac litres of milk daily. With a network of 100 dairies, 85 sales teams, 15,000 distributors and 1 million retailers, Amul distributes over 20 billion packs of dairy products annually in over 50+ countries.

DS GROUP STARTS LÄDERACH'S LUXURY CHOCOLATES ONLINE OPERATIONS

NOV 21, 2023

<https://dairynews7x7.com/ds-group-expands-laderachs-luxury-chocolates-online-operations-in-mumbai/>

The Dharampal Satyapal Group (DS Group), a prominent multi-business corporation and leading FMCG conglomerate, has strategically launched Läderach's online operations in Mumbai, reinforcing Läderach India's presence in the luxury retail sector and bringing the renowned Swiss chocolate brand closer to consumers.



With this move, customers in Mumbai and Navi Mumbai gain online access to Läderach's extensive array of premium chocolate products, including FrischSchoggi, tablets, pralines, truffles, and exquisite gift collections.

The decision to expand Läderach's availability in Mumbai stems from the encouraging responses and growing demand in the city, celebrated for its vibrant luxury market and influential community. The DS Group, recognizing the potential in Mumbai, has invested in enhancing its cold chain capabilities to maintain the exceptional quality of Läderach products.

Sanskriti Gupta, Läderach India said, "We are thrilled to introduce Läderach's exceptional Swiss chocolates in Mumbai. The resounding success of Läderach's online and offline presence in Delhi has warmed our hearts, reaffirming customers' deep love and appreciation for Läderach. The Mumbai market, with its evolving consumer demographics, holds immense potential for the brand. We have been inundated with inquiries from enthusiastic chocolate connoisseurs in Mumbai, and the excitement surrounding our arrival in the city is palpable. We take great pride in providing the same extensive range of premium chocolates online, mirroring our offerings in Delhi, to ensure that our customers in Mumbai can savor the complete Läderach experience."

Earlier this year, DS Group announced an exclusive partnership with Läderach, marking the Swiss chocolate brand's debut in the Indian market. The collaboration witnessed the successful inauguration of a Läderach store in the Delhi NCR region, situated in DLF Emporio Mall, offering an immersive in-store experience tailored to the discerning tastes of customers.

AAVIN TO STOP SALE OF STANDARDISED MILK PACKS THROUGHOUT TN

NOV 21, 2023

<https://dairynews7x7.com/as-a-part-of-cost-cutting-measures-aavin-to-stop-sale-of-standardised-milk-packs-throughout-tamil-nadu/>

State-owned Aavin has decided to cease the sale of standardised milk (green packets) throughout the state starting from November 25 (Saturday) as part of cost-cutting measures. The green pack has been a much sought-after variant of Aavin for more than 40 years as its market share stands at 40% in Chennai out of 14.75 lakh litres supplied by Aavin.



Retail consumers and cardholders will be supplied Delite milk (purple pack), which has a lower fat content of 3.5% compared to 4.5% in the Green Magic category, said an official directive issued on Friday. The maximum retail price of Delite and green magic variants is Rs 44 per litre, while of other private brands in this category ranges from Rs 54 – Rs 56 per litre.

V Alin Suneja, GM (marketing), Aavin, said milk cardholders will be supplied Delite milk at the same price (Rs 42/litre) as Green Magic, effective from December 1.

“It has also been decided to implement Delite milk card sales from December 1 and commence distribution from December 16. Those holding standardised milk (SM) milk cards will have to migrate to one of the three other variants – toned, delite and full cream milk offered by Aavin from December 1,” said an official quoting the communication from Aavin.

Aavin milk cards are sold between the 1st and 15th of each month, facilitating supply of milk from the 16th to the 15th of the following

month. “While retail market sales will cease from November 25 onwards, current SM cardholders will continue to receive Green Magic packets until December 15,” said an official.



	Price (₹) of 500 ml packets	Fat (%)	Protein (g)
Green magic	22	4.5	3.2
Delite	22	3.5	3.2

Image courtesy Times of India 20th Nov 2023 Chennai edition

Official documents accessed by the TNIE revealed that Aavin incurs monthly expenditure from `65-`70 crore to purchase butter for reconstituting its milk, as it has a lower fat content in comparison to private brands. This measure is taken to meet the specified fat levels mandated by FSSAI standards – toned milk should contain 3 % fat, standardised milk 4.5 % and full cream milk 6 %.

According to industry insiders, Aavin, which holds about 20% of the dairy market share in the state, should not stop the sale of milk variants that have existed for several years. “The government hesitates to raise the procurement and selling price of milk, fearing potential political repercussions. The complete withdrawal of SM will compel consumers to opt for

full cream milk or private brands, which are pricier by Rs 10-Rs 12 per litre,” said a wholesale dealer.

“Selling delite milk at the same price as green magic is essentially an indirect method of increasing price. In Korattur and its vicinity, a lot of people buy milk through cards. At the very least, the sale of SM for cardholders should continue,” said S Ravi, a resident of Korattur.

UAS-BENGALURU DEVELOPS LOW-COST, ECO-FRIENDLY RAW MILK COOLING UNIT

NOV 21, 2023

<https://dairynews7x7.com/uas-bengaluru-develops-low-cost-eco-friendly-raw-milk-cooling-unit/>

It has been developed under a World Bank-funded project and is ready for commercialisation

The University of Agricultural Sciences-[Bengaluru](#) (UAS-B) has developed a low-cost, eco-friendly mini refrigerator for cooling of raw milk, which can be used by small dairy farmers to maintain the quality of milk before pouring it at the collection centres.



CT Ramachandra, Prof and Head, Department of Processing and Food Engineering, UAS-B said the solid-state cooling module or the mini-cooling unit has been developed under a World Bank-funded project and is ready for commercialisation.

Peltier Effect

The mini cooling unit has a capacity of five litres and runs on electricity. It can also be operated using a 12 volt battery. The solid state cooling module is an alternative to the conventional cooling system and works on the principle of Peltier Effect, Ramachandra said. “Unlike the conventional refrigeration system, which releases CFC gases due to the use of refrigerants as cooling media, this solid state cooling

module does not emit any harmful gases and is an eco-friendly green technology,” Ramachandra said. However, the cooling efficiency of this solid state refrigeration unit is marginally lower than the conventional refrigeration systems.

Small dairy farmers in villages and remote areas can use this mini cooling unit to bring down the temperature of the milk, before pouring it at the local collection centres. When milked, the temperature of the milk that flows from the cow’s udder ranges around 35-37° C and has to be cooled to less than 10 degrees to reduce microbial activity. The developed refrigerator module will help bring down the temperature and maintain it less than 10° C, Ramachandra said.

Ramachandra said the cost of the mini refrigerator module works out to around ₹10,000 per unit and that the university has been getting enquiries for commercialisation of the technology.

Though India is the largest producer of milk in the world, a large portion of the milk is lost due to the spoilage due to the microorganism activity and lack of transportation facilities in the rural areas. Raw milk has to be stored under less than 10 degrees to prevent the microbial growth and reduce spoilage and cost-effective cooling units at the farm level would go a long way in reducing the wastage.

CBI ARRESTS VERKA DAIRY & CANTONMENT BOARD STAFF IN BRIBERY CASES

NOV 21, 2023

<https://dairynews7x7.com/cbi-arrests-verka-dairy-plant-deputy-manager-cantonment-board-sanitary-inspector-in-2-separate-bribery-cases/>

The Central Bureau of Investigation has arrested a Deputy Manager (Production) Verka Dairy Plant, Mohali (Punjab) for demanding and accepting bribe of ₹30,000/- from the Complainant.



A case was registered on complaint against Deputy Manager (Production), Verka Dairy Plant, Mohali. It was alleged that the Complainant was running a firm in Chandigarh in the name of his wife and the firm was awarded a contract for providing manpower & security to the Verka Plant (Milkfed), Mohali. It was further alleged that the Deputy Manager (Production), Verka Dairy Plant, Mohali had been harassing the Complainant and threatening him to cancel the contract. The Complainant met the accused during which the accused allegedly demanded bribe at a rate of ₹15000/- per month for the next 4-5 months. It was also alleged that the accused further told the Complainant that if the said bribe was not paid, then the contract will be willed. After negotiation, the accused agreed to accept ₹30,000/-.

CBI lays trap and nabs all accused

CBI laid a trap and caught the accused while demanding & accepting the bribe of ₹30,000/-. Searches were conducted at the premises of the accused in Mohali & Patiala (Punjab) which

led to the recovery of incriminating documents.

The accused was produced in the Court of Special Judge, CBI Cases, Chandigarh, and was remanded to 14 days of Judicial Custody.

In another case, CBI has arrested a Sanitary Inspector, Cantonment Board, Meerut (Uttar Pradesh) for demanding & accepting a bribe of ₹15,000/- from the Complainant.

Second bribery case

A case was registered on complaint against two Sanitary Inspectors Cantonment Board, Meerut on the allegations of demanding bribe of ₹25,000/- from the Complainant to allow the continuation of reconstruction of Complainant's three shops in Cantonment Board, Meerut. It was further alleged that three shops were under construction in Lal Kurti, Meerut Cantonment and the owner of the said three shops had given the responsibility of construction to Complainant. For continuing the construction of the said three shops, both the accused working at the office of CEO, Cantonment Board, Meerut, demanded bribe of ₹25,000/- from the Complainant.

CBI laid a trap and caught a Sanitary Inspector red handed while demanding & accepting undue advantage/bribe amount of ₹15,000/- from the Complainant. Searches were conducted at the premises of both the accused.

The arrested accused was produced before the Court of Special Judge, CBI Cases at Ghaziabad and was sent to Judicial Custody till 30.11.2023.

Investigation into both the cases is continuing.

HI-TECH DAIRY TO COME UP IN NAMAKKAL AAVIN AT ₹89.28 CRORE: MP

NOV 21, 2023

<https://dairynews7x7.com/hi-tech-dairy-to-come-up-in-namakkal-at-%e2%82%b989-28-crore-mp/>

Rajya Sabha member K.R.N. Rajeshkumar said that a government order (GO) had been issued to set up a hi-tech dairy in Namakkal at ₹89.28 crore.

On Monday, Minister for Forests M. Mathiventhana, handed over the GO to Mr. Rajeshkumar in the presence of District Collector S. Uma and MLAs P. Ramalingam and K. Ponnusamy.



Mr. Rajeshkumar told reporters there were 500 primary milk producer cooperative societies in Namakkal, and 72,000 milk producers were members of these societies. As many as 12,500 members provided milk to the societies daily in the morning and evening. Through them, 1.15 lakh litres of milk was procured every day, of which 85,000 litres were processed and sold to consumers in Namakkal district.

At present, four milk procurement offices and three milk sales offices were functioning under the control of Namakkal Aavin. The procured milk was sent to 16 milk chilling centres at the village level and to the chilling centres at Namakkal and Paramathi Velur on a daily basis. Now, the milk and its by-products were procured from Aavin in Salem and nearby districts, Mr. Rajeshkumar added.

In Namakkal district, 6.5 lakh litres of milk was produced a day, and in that, Namakkal Aavin procured around 1.5 lakh litres (17.6%). Taking this into consideration, the State government announced in the Assembly that a hi-tech dairy with a handling capacity of two lakh litres would be set up in Namakkal through the National Dairy Development Board.

The GO was issued on November 16. The Ministry of Food Processing Industries provided a ₹8-crore grant for the dairy, Mr. Rajeshkumar added.

NO GOVT SUPPORT, CHAMBA'S GUJJARS STRUGGLE TO SELL MILK

NOV 20, 2023

<https://dairynews7x7.com/no-govt-support-chambas-gujjars-struggle-to-sell-milk/>

Thanks to a lack of government support, the Gujjars living in Chamba district are struggling to sell milk produced by their cattle. They are left with no choice but to sell milk at throwaway prices or its byproducts, like khoa, in the local market.



Uppinder Kumar, Assistant Director in the Department of Animal Husbandry in Una, told The Tribune that he had collected milk samples from Gujjars in the Chowari area of Chamba district and got them tested at an IDMA lab in Panchkula. The test results indicated that buffalo milk was free of all kinds of antibiotics and pesticides.

He said, "Chamba district is home to nearly 40,000 tribal Gujjars, an ethnic group rearing buffaloes. As Gujjars lead a nomadic life, the community remains mostly uncovered by government development schemes. Gujjars

mostly depend on the sale of milk and other dairy products to earn their daily bread. They go door to door every morning to sell their products. But since the prices of their products are not fixed, they end up incurring losses."

Uppinder said, "As the quality of milk produced by buffalos owned by the Gujjars is good, it could fetch high prices if an agency procures and markets it. Their milk products are also free of antibiotics and pesticides."

Since the Gujjars in Chamba district often struggle to sell milk, many of them convert it into khoa, which is used as an ingredient in many India sweets, and sell it to tourists. A communal conflict involving Gujjars recently has also affected their milk sales.

Animal Husbandry Department experts say that buffalo milk of local Gujjars is organic in nature but they do not get good prices for it in the absence of a government scheme to support them.

Meanwhile, the government has announced a scheme to purchase buffalo milk for Rs 100 per litre and cow milk for Rs 80 per litre.

NON-DAIRY MILLET ICE-CREAM RELEASED

NOV 20, 2023

<https://dairynews7x7.com/non-dairy-millet-ice-cream-released/>

The National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T) released a non-dairy millet ice-cream at the Krishi Mela-2023 organised by the University of Agricultural Sciences, Bangalore.



Millet is the primary ingredient of non-dairy millet ice-cream, which is suitable for the population with lactose intolerance and people who are vegan. It is farm fresh, highly nutrient, rich in iron and vitamin B1, health friendly with a wide range of phyto-nutrients, as per a statement released by UAS.

The ice-cream contains 35.7 grams of carbohydrates, 3.1 grams of protein, 9.1 grams fat, 0.6 crude fibre and 183 kcal energy, according to the release.

V. Palanimuthu, Director, National Institute of Food Technology, Entrepreneurship and Management, Thanjavur, released the millet ice-cream at Krishi Mela here on Sunday.

UP GOVT IMPOSES STATEWIDE BAN ON HALAL PRODUCTS AFTER FIR AGAINST SEVERAL FIRMS

NOV 19, 2023

<https://dairynews7x7.com/up-govt-imposes-statewide-ban-on-halal-products-after-fir-against-several-firms/>



The Uttar Pradesh government led by Chief Minister Yogi Adityanath on Saturday banned the sale of halal-certified products after Lucknow police booked some organisations for providing forged certificates to retailers.

“In the interest of public health, production, storing, distribution and sale of halal certified edible items banned in Uttar Pradesh with immediate effect,” the official order stated.

कार्यालय आयुक्त, खाद्य सुरक्षा एवं औषधि प्रशासन, उ०प्र०
सेक्टर-बी, अलीगंज, लखनऊ - 226024

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अधिसूचना

संख्या- एफ०एस०डी०ए०/खाद्य / 2023 /6145

दिनांक-18.11.2023

कतिपय खाद्य उत्पादों तथा डेरी उत्पाद, चीनी, बेकरी उत्पाद, विपरमिट ऑयल, मक्कीन रेडी टू ईट सेयरीज व खाद्य तेल आदि के लेबल पर हलाल प्रमाण का उल्लेख किया जा रहा है। खाद्य पदार्थों के सम्बन्ध में वर्ष 2006 में 8 खाद्य विधियों को निरस्त करते हुए समेकित खाद्य विधि खाद्य सुरक्षा एवं मानक अधिनियम 2006 प्रतिपादित हुई जिसके अन्तर्गत खाद्य पदार्थों के लिए शीर्षक संस्था भारतीय खाद्य संस्था एवं मानक प्राधिकरण द्वारा उक्त अधिनियम में दी गयी व्यवस्था एवं शक्तियों के अन्तर्गत खाद्य पदार्थों के मानकों का निर्धारण किया गया है जिसके आधार पर खाद्य पदार्थों की गुणवत्ता सुनिश्चित की जाती है। उक्त अधिनियम तथा उसके अन्तर्गत प्रतिपादित विनियम धारा - 89 के अन्तर्गत अन्य सभी खाद्य विधियों पर अधिनामी प्रभाव धारित करते हैं।

खाद्य पदार्थ की गुणवत्ता विनिश्चित किये जाने का अधिकार उक्त अधिनियम की धारा 29 में दिये गये प्राधिकारियों / संस्थाओं में ही है जो अधिनियम में दी गयी व्यवस्था के अनुसार ही सम्बन्धित मानक की जाँच करते हैं। इस प्रकार खाद्य उत्पादों का हलाल प्रमाण एक समतान्तर व्यवस्था है जो खाद्य पदार्थ की गुणवत्ता के विषय में भ्रम की स्थिति उत्पन्न करता है एवं उक्त अधिनियम की मूल मंशा के सर्वथा विरुद्ध है तथा उक्त अधिनियम की धारा -89 के अन्तर्गत पोषणहीन नहीं है। उक्त स्थिति खाद्य सुरक्षा एवं मानक अधिनियम की धारा 3(1)(x) f(X)(i) में निष्पादन की परिभाषा से आच्छादित होती है जो उक्त अधिनियम की धारा- 52 के अन्तर्गत अर्धदण्ड से दण्डनीय अपराध की श्रेणी में आता है।

अतः एतद्वारा खाद्य सुरक्षा एवं मानक अधिनियम की धारा - 30(2)(d) के अनुपालन हेतु उक्त अधिनियम की धारा - 30(2) (a) में विहित अधिकार का प्रयोग करते हुए जन स्वास्थ्य के दृष्टिगत उ०प्र० राज्य की सीमा में हलाल प्रमाण युक्त खाद्य उत्पादों के निर्माण, मण्डारन, वितरण एवं विक्रय पर (निर्माता के लिए निर्वात हेतु उत्पादित खाद्य पदार्थ को छोड़कर) तत्काल प्रभाव से प्रतिबन्ध लगाया जाता है।


(अनीता सिंह)
अयुक्त

According to a separate UP government decree, pharmaceuticals, medical gadgets, and cosmetic items bearing halal-certified labelling would face legal action.

This comes after Lucknow police on Friday registered a case against a company and a few other organisations for allegedly exploiting people's religious sentiments to boost sales by providing forged halal certificates.

The case has been lodged against Halal India Private Limited, Chennai; Jamiat Ullema Hind Halal Trust, New Delhi; Halal Council of India, Mumbai; and Jamiat Ullema, Mumbai.

The said case was registered at the Hazratganj police station based on a complaint lodged by Shailendra Kumar Sharma, a resident of Motijheel Colony in Aishbagh.

The complainant has raised concerns over a potential large-scale conspiracy, indicating attempts to decrease the sale of products from companies lacking the halal certificate, which is illegal.

There is an apprehension that this unfair advantage is being passed on to anti-social and anti-national elements, the complaint added.

The complaint further alleged that the issuance of halal certificates for vegetarian products like oil, soap, toothpaste, and honey, where no such certification is necessary, suggests a deliberate criminal conspiracy targeting a specific community and its products.

The complainant also alleged that, under the guise of religion, “unrestrained propaganda” is being pursued within a particular section of society to discourage the use of products lacking a halal certificate.

Kumar also expressed concern over these individuals amassing disproportionate profits and potentially channelling funds towards supporting terrorist organisations and anti-national endeavours, the statement said.

As far as the charges are concerned, the case has been registered under sections 120B (criminal conspiracy), 153A (promoting enmity between different groups), 298 (uttering words, etc, with deliberate intent to wound the religious feelings), 384 (extortion), 420 (cheating and dishonestly inducing delivery of property), 467 (forgery of valuable security, will, etc), 468 (forgery for purpose of cheating), 471 (using as genuine a forged document or electronic record) and 505 (statements conducing to public mischief) of the IPC.

NO PROPOSAL BEFORE KARNATAKA GOVT. TO FURTHER INCREASE MILK PRICES

NOV 18, 2023

<https://dairynews7x7.com/no-proposal-before-karnataka-govt-to-further-increase-milk-prices-says-rajana/>

Minister for Cooperation K.N. Rajanna on Friday, November 17, said there is no proposal before the State government for a further increase in the price of milk.



Talking to reporters in Mangaluru, Mr. Rajanna said the milk price was recently increased by ₹3 per litre. The government will not burden consumers by further increasing the price. “The government is looking at other ways on increasing revenue of dairy farmers,” Mr. Rajanna said.

The Minister said the State government has to pay nearly ₹350 crores to district central cooperative (DCC) banks towards the waiver of farm

loans. Of this, ₹14 crore pertained to Dakshina Kannada and ₹4 crore to Udupi districts. Delay in paying the amount is affecting the DCC banks. “I have appraised the issue to Chief Minister Siddaramaiah, who will shortly be reviewing the functioning of DCC banks. The issue is likely to be solved by the end of this month,” he said.

Service rules

The Minister said the State government will shortly come out with rules that will prevent the arbitrary removal of employees of cooperative societies, including milk producers’ cooperative societies, and provide them with other social security benefits. The rules are being framed following a recent amendment to Section 128(A) of the Karnataka Cooperative Societies Act. A common care authority will be formed at the district-level, which will be headed by the president of the DCC Bank concerned, that will look into issues related to employees of cooperative societies, he said.

Mr. Rajanna said the State government is working towards revising the treatment rates under Yashasvini health insurance scheme.

Appreciates Shah

The Minister said he is hopeful of positive changes in the cooperative sector with Union Cooperation Minister Amit Shah at the helm of

affairs of the cooperative sector. "He (Amit Shah) is a true cooperative member and he understands issues related to the sector. I was the first to welcome him as the Cooperation Minister. If any positive suggestions are made for the development of the sector, there is no harm in State government bringing those changes," Mr. Rajanna said.

KERALA TO BE SELF-SUFFICIENT IN MILK PRODUCTION IN A YEAR

NOV 18, 2023

<https://dairynews7x7.com/kerala-to-be-self-sufficient-in-milk-production-in-a-year/>

Minister for Animal Husbandry and Dairy Development J. Chinchurani has said the State will attain self-sufficiency in milk production in a year.



Speaking after inaugurating the 15th edition of the Kerala Veterinary Science Congress and a three-day international seminar at the College of Veterinary Sciences at Pookode here on Friday, Ms. Chinchurani said dairy farmers would be given subsidy in cattle feeds and it would make a significant improvement in milk production.

The State stood second in milk productivity in the country and a collective effort of dairy farmers, veterinary doctors, and livestock inspectors was the need of the hour for the overall progress of the sector. The role of the Indian Veterinary Association in the research sector of the country was unique, and hence a meet of researchers, veterinary experts, policymakers, students, and farmers in the congress

would open new vistas to the animal husbandry sector, she observed.

As the sector had a deep influence in determining the economy of the rural areas and marginal farmers and women folk depending on the sector, the government had given special attention to animal husbandry, Ms. Chinchurani said.

The doorstep services of veterinary experts would be ensured to the community round the clock. 'Gomithra puraskar', instituted by the Kerala Feeds Limited (KFL), would be awarded to the veterinary doctors who would provide better services to dairy farmers in the State.

Ms. Chinchurani gave away awards, instituted by the KFL, to three farmers for topping the Statewide list of dairy farmers from whom cooperative societies procured the highest quantity of milk during 2022-23.

The Minister also released the compendium of the Science Congress on the occasion. Indian Veterinary Association president N. Mohanan presided over the function. Kerala Veterinary and Animal Sciences University Chancellor M.R. Saseendranath was the chief guest.

The three-day congress would conclude on Sunday.

HAPPY NATURE RAISES \$300K FROM INFLECTION POINT VENTURES

NOV 17, 2023

<https://dairynews7x7.com/d2c-dairy-startup-raises-300k-in-pre-series-a-from-inflection-point-ventures/>



Company will use funds to strategically expand sales through impactful above the line and below the line activations.

- Happy Nature currently serves more than 1,00,000 customers with over 15,000 orders processed daily.
- The company addresses the challenges faced by small farmers by providing them access to resources and markets.

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Happy Nature, a direct to consumer breakfast brand, has recently secured \$300,000 in a Pre-Series A funding round led by Inflection Point Ventures (IPV). This investment will enable Happy Nature to further expand its mission of providing high-quality, ethically sourced milk, dairy, and breakfast essential products to its customers. Vikas Singh, CEO of Happy Nature, says that with this infusion, the company will strategically expand sales through impactful ATL and BTL activations.

The funds raised in this round will be utilized for various purposes, including branding, technology upgrades, processing plant enhancements, and geographical expansion. Happy Nature aims to strengthen its sales, marketing, and branding efforts, accelerate sales growth, and enhance customer engagement initiatives.

Commenting on the deal, Rahul Wagh, Managing Director, Inflection Point Ventures, says, "Happy Nature is emerging as a preferred D2C brand for thousands of consumers as it is using a tech-enabled platform to help farmers sell their products to newer catchment areas." Happy Nature currently has business operations in Delhi, Noida, Gurgaon, Karnal, Panipat, Ludhiana, Ambala, Zirakhpur, Panchkula, Chandigarh and Mohali serving more than 1,00,000 customers with over 15,000 orders processed daily.

Happy Nature is a tech-enabled company operating in India's dairy industry, which is the largest milk producer in the world. The company addresses the challenges faced by small farmers by providing them access to resources and markets. It also caters to consumer concerns by offering 100% clean label and preservative-free milk, dairy, and breakfast products through a convenient subscription and delivery

model. Happy Nature aims to preserve the dairy way of life while ensuring the mutual benefit of farmers and consumers through its innovative approach.

Inflection Point Ventures (IPV), the lead investor in this funding round, has a track record of investing over Rs 600 crore across 190+ deals. IPV is an angel investing platform that supports new-age entrepreneurs by providing them with monetary and experiential capital. The firm connects entrepreneurs with a diverse group of investors and has recently launched a \$50 million CAT 2 AIF Physis Capital to invest in pre-Series A to Series B growth-stage start-ups.

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Happy Nature currently operates in multiple cities, including Delhi, Noida, Gurgaon, Karnal, Panipat, Ludhiana, Ambala, Zirakhpur, Panchkula, Chandigarh, and Mohali. The company serves over 1,00,000 customers and processes

more than 15,000 orders daily. Happy Nature's strengths lie in its own dairy farm ecosystem, ensuring fresh, high-quality products, tamper-proof packaging for food safety, and an in-house last mile delivery system for seamless and reliable service.

Happy Nature aims to achieve an annual revenue of Rs 1,500 crore in the next five years by targeting a Serviceable Addressable Market of 55 million households and capturing a Serviceable Obtainable Market of 3,00,000 households.

Happy Nature's recent funding round led by Inflection Point Ventures will fuel the company's growth and enable it to expand its reach in the milk, dairy, and breakfast essential industry. With its commitment to quality, sustainability, and customer-centricity, Happy Nature is redefining the breakfast experience for consumers across India.

NEED FARMERS' SUPPORT TO UP MILK PRODUCTION:

SAWANT

NOV 16, 2023

<https://dairynews7x7.com/need-farmers-support-to-up-milk-production-sawant/>

Chief minister Pramod Sawant on Tuesday said that the government is making efforts to increase milk production in the state, but it is necessary that local milk producers should also cooperate.

He said Goa consumes 44 lakh litres of milk every day, out of which Goa has to purchase several lakhs of litres of milk from outside.

"For this, it is necessary to increase cow breeding and milk production.



Dalljiet Kaur's husband Nikhil Patel pens a heartwarming note on wife's birthday; says

'Thank you for being a breath of fresh air in our lives and holding us down during the highs & lows'

With other varieties of cows, it is also necessary to conserve local breeds of cows that are presently looked after by gaushalas across the state. Products made from local breeds of cattle will benefit the people," Sawant said.

He was speaking on the occasion of Balipratipada, during which he visited the Gomanchal Dairy Farm in Kudne and worshipped a cow.

Every year, the chief minister visits this place and worships the cow on the day to mark what is locally known as 'gorvancho padvo'.

On this occasion, milk producers supplying milk to Gomanchal Dairy were felicitated by Sawant.

STALIN INAUGURATES WAREHOUSE FOR 1500 T OF SMP IN TIRUVANNAMALAI

NOV 16, 2023

<https://dairynews7x7.com/stalin-inaugurates-new-warehouse-to-store-additional-1500-tonnes-of-skimmed-milk-powder-in-tiruvannamalai/>

Chief Minister M. K. Stalin on Tuesday virtually inaugurated the new warehouse facility in the existing Dairy-cum-Powder Plant (DCPP) at Ammapalayam village near Chengam town in Tiruvannamalai to store additional 1,500 tonnes of skimmed milk powder.

Officials



of the Tamil Nadu Cooperative Milk Producers' Federation (TNCMPF), said that the existing DCP plant, which was established by the National Bank for Agriculture and Rural Development (NABARD) in November 2014, has the capacity to handle two lakh litres of milk per day (LLPD) and to produce 20 tonnes of Skimmed Milk Powder (SMP) per day. It also manufactures 100 tonnes of ghee every day.

The plant also has the capacity to store 500 tonnes of butter and 1,500 tonnes of SMP. The main purpose of the dairy plant is to handle the surplus milk by converting it into butter and

SMP to enhance the shelf life of the milk products. "Additional warehouse facilities in the plant will help to store more milk powder for a longer period. Such a facility will help especially during emergencies when the requirement of milk powder increases," U. Mani, Deputy General Manager In-Charge, DCP, told The Hindu.

Spread over 18,400 sq.ft, the new warehouse has been built at a cost of ₹29.32 crore with joint funds from the TNCMPF. The new facility will store 1,500 tonnes of SMP. In other words, the DCP plant will now have a total storage capacity of 3,000 tonnes of SMP. The initiative will help over 15 lakh milk producers in 27 districts from whom milk is procured by Aavin, the popular brand of TNCMPF, for DCP plant.

During emergencies like floods, such additional storage of SMP will help in easy distribution for affected families in the State. The new warehouse facility in Tiruvannamalai is the fifth such facility in the State after similar facilities in Erode, Madurai, Krishangiri and Salem.

Deputy Speaker of Tamil Nadu Legislative Assembly K. Pitchandi, Tiruvannamalai Collector B. Muruges, C.N. Annadurai, MP (Tiruvannamalai) and M. P. Giri, MLA (Chengam), were present on the occasion at the plant.

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Global News

RESEARCHERS LOOK TO TRANSFORM MANURE INTO PROTEIN

NOV 28, 2023

<https://dairynews7x7.com/researchers-look-to-transform-manure-into-protein/>

Can you turn manure into a cow, chicken or fish?

Texas A&M AgriLife Research scientists are looking to do just that, in a roundabout, circular economy, kind of way.



A three-year, \$618,000 grant from the U.S. Department of Agriculture National Institute for Food and Agriculture is funding a study by scientists in the Texas A&M College of Agriculture and Life Science Department of Entomology and Mississippi State University to explore dairy manure clean-up via black soldier flies. The team would then examine the flies' value as a potential ingredient in livestock, poultry and aquaculture feed.

The project will concentrate on both environmental health and economic benefits of converting dairy waste into protein that could be used for feed. Early data indicate probiotics could be used to accelerate the digestive process in fed animals, increase conversion of waste to insect biomass, decrease greenhouse gases and noxious odors, and reduce concerns about pathogens that might be present in the manure.

The study will be led by Jeff Tomberlin, Ph.D., professor, AgriLife Research Fellow, Presidential Impact Fellow and Center for Environmen-

tal Sustainability through Insect Farming director, and Anjel Helms, Ph.D., an assistant professor and chemical ecologist, both in the Department of Entomology.

Heather Jordan, Ph.D., associate professor and microbiologist at Mississippi State University, will examine the resulting larvae and frass, which is the material remaining after larvae digest manure, for microbial diversity and feed safety. Helms' postdoctoral research associate Amber MacInnis, Ph.D., will lead the day-to-day data collection with the help of students.

"We're testing the limits of black soldier fly production in conjunction with probiotics to see how efficient they could be for large animal production facilities, in this case dairies," Helms said. "Manure management is an expense to these producers, and we are testing to see if this is a way to manage that waste and turn it into a productive feed source."

TURNING AN EXPENSE INTO A RESOURCE

Black soldier fly larvae consume their weight in organic waste daily for a two-week period – around 1 gram or the weight of a single raisin per larva. That may sound insignificant, but those amounts add up when multiplied by millions of black soldier fly larvae.

For example, existing facilities in Europe, Asia and North America can digest 100 tons of waste daily using black soldier fly larvae.

MacInnis' experiments are done in plastic containers filled with around 18 pounds of manure where 10,000 black soldier fly eggs are placed. The larvae hatch, consume the dairy manure for two weeks and then are harvested, and then the process is repeated.

An important part of the project is to determine how safe harvested larvae are when converted into ingredients for feed. Little is known about pathogen diversity in larvae that consume manure that in turn could impact feed safety. Helms suspects larvae consuming manure are safe for livestock consumption, but the end-product must be certified.

“This is an exciting study to be a part of because it is problem-solving at its core,” MacInnis said. “These dairies produce an enormous amount of waste. If black soldier flies can be an efficient part of their management process and provide other benefits, that could be a big breakthrough across the industry.”

LAYERS OF POTENTIAL BENEFITS FROM WASTE CONVERSION

Black soldier flies consume organic waste, including manure, but the process of waste conversion leaves room for efficiency improvements.

The study will utilize probiotics to enhance black soldier fly waste conversion of dairy manure and remove more than 50% of nitrogen and potassium from the waste. Helms said the team is working with Jordan to study the probiotic impacts.

Manure conversion by black soldier flies is also expected to provide an environmental benefit beyond reducing reliance on traditional manure management methods like waste storage lagoons.

“There is potential for layers of economic and environmental benefits to incorporating black soldier flies in manure management,” Helms said. “Turning waste into a resource sounds too good to be true, but we are understanding more and more about the ways black soldier flies can solve a lot of problems.”

IS IT OKAY TO FREEZE CHEESE?

NOV 23, 2023

<https://dairynews7x7.com/is-it-okay-to-freeze-cheese/>

There are a ton of different ways to store cheese in your fridge. Some folks will toss a wedge in a plastic baggie, while others prefer to use cheese paper or handsome wooden boxes. But for longer storage, is it ever okay to store cheese in your freezer?



Maybe there was a big sale on your go-to supermarket cheddar and you decided to stock up. Or you went a little overboard at the cheese counter and won't finish that fresh chèvre before leaving town for a week. Or you're serving your famous macaroni and cheese recipe at Thanksgiving and hope to pre-shred the sharp cheddar and Parmesan to save last-minute prep.

Is it a good idea to pop any of the above—or a hunk of smoked Gouda or a wheel of Brie—into your freezer? I talked to a few experts to find out when it's okay to freeze cheese, which types of cheese are best for freezing, and how to make sure your cheese is as tasty as possible after you thaw it out.

What happens when you freeze cheese?

"When you freeze something, you're breaking its cellular structure," says Ali Rosen, author of the cookbook *Modern Freezer Meals* and the forthcoming *15 Minute Meals*. Before freezing, the moisture in a cheese is distributed evenly throughout its interior, along with fat, protein, and minerals. Freezing turns that moisture into ice crystals, which damages the cheese's structure and can affect whether its texture is crumbly or pliable, firm or pasty after thawing.

How quickly the cheese freezes determines the size of those crystals. Faster freezing equals smaller ice crystals, which will have less of an impact on the texture of the cheese once it's thawed. Pieces of cheese with smaller surface area, like shreds or small blocks, will freeze more quickly than large blocks.

Freezing can affect a cheese's flavor too. The enzymes and living cultures in cheese that develop flavor over time are deactivated by freezing, and no amount of careful thawing will change that. "We always recommend not to freeze our natural cheddars because it's going to halt that aging process," says Jill Allen, director of product excellence at the Tillamook County Creamery Association.

Does it matter which cheese you freeze?

Salt content, moisture content, pH level, ripening method, and texture can all influence how well a certain cheese will fare in the freezer, Allen says. Generally, semi-firm and firm cheeses with a relatively low moisture content—think cheddar, Colby, provolone, low-moisture mozzarella, and hard Italian styles like Parmesan and Pecorino Romano—all freeze well, according to the Center for Dairy Research. "The less moisture you have in something, the less those cells are punctured," Rosen says.

With the proper packaging and careful thawing (more on that in a minute), though, freezing shouldn't impact the performance of those styles too much, especially if you're planning on cooking or baking with them.

"Keep in mind how you're going to use it later," Rosen says. "I personally would not freeze most cheeses to eat raw, because even the hardest cheese still has a fair amount of moisture." Cheeses that will be heated in a recipe should be okay, but if you're hoping to preserve a wedge of Manchego to shave on a salad

later, you may find it's less flavorful than usual, or that it's crumbly or gritty rather than supple and smooth.

Which types of cheese should you never freeze?

Expose a ripe, pillowy round of Camembert or a piquant wedge of Bayley Hazen Blue to sub-zero temps, and you won't want them anywhere near your cheese board once they're thawed. Freezing delicate specialty cheeses like these can significantly impact their texture and flavor.

"In the world of fine cheese, everybody freaks out as soon as you talk about freezing cheese," says Erin Harris, a recipe developer and cheese specialist with Montreal-based distributor Aux Terroirs. But she acknowledges the practical reasons for doing so, like avoiding waste. "You have to go into it knowing that you're saving that product, but you may lose a little bit of quality in the process."

Harris offers one rule of thumb: the more processed a cheese is, the more likely it is to freeze

well. In this case, processing could mean added stabilizers in the recipe as well as additional steps the milk may undergo during the cheese-making process, such as standardization (balancing protein and fat content) and pasteurization. On the other hand, Harris says, most smaller-production, handmade cheeses are best enjoyed ASAP after you bring them home.

It's worth noting that there are exceptions to every rule. Some consider it sacrilege to freeze soft-ripened cheeses, with their bloomy rinds and delicate textures—but Harris has seen some larger-production French bloomies, like Fromager d'Affinois and Crèmeux De Bourgogne, stand up surprisingly well to freezing and thawing.

When is freezing cheese a good idea?

Even if there are lots of reasons not to freeze cheese, there are some good reasons to do it—like staving off spoilage, preventing waste, and saving money. And some artisan cheesemakers have discovered an advantage in freezing their own products.

BUNGE'S BELEAF PLANTBETTER: ELEVATING PLANT-BASED ALTERNATIVES TO MATCH DAIRY BUTTER

NOV 21, 2023

<https://dairynews7x7.com/bunges-beleaf-plantbetter-elevating-plant-based-alternatives-to-match-dairy-butter/>

Bunge introduces Beleaf PlantBetter, a groundbreaking plant-based alternative crafted to satisfy the growing demand for superior-tasting and environmentally responsible dairy butter replacements.

As demand for dairy alternatives surges, Bunge's Beleaf PlantBetter emerges as the answer to the complexities faced by food manufacturers and bakers seeking plant-based alternatives that match the sensory qualities and versatile functionality of traditional dairy butter and can easily be integrated in their current production process.



Achieving the precise aeration, volume and taste required for products such as croissants, cakes, etc., has proven to be challenging for most butter substitutes. These obstacles have been further amplified by the escalating volatility in butter pricing, driving the need for innovative solutions.

“Beleaf PlantBetter is a game-changing innovation developed by Bunge that brings together the sustainability attributes of plant-based with the uncompromising sensory and performance of dairy butter—all while delivering a lower cost-in-use compared with butter,” explains Aaron Buettner, President of Food Solutions at Bunge.

Beleaf PlantBetter: sensory excellence and functionality

Beleaf PlantBetter captures the distinctive aroma, taste and texture of traditional butter

and is a blend of primarily coconut, cocoa butter, rapeseed and lecithins.

It has the same melting characteristics as dairy fat and is initially designed for bakery applications, with future plans to extend to other dairy and confectionery applications. The solution offers food manufacturers and bakers the following advantages.

Sensory excellence: a series of blind sensory panel studies conducted by Bunge across three countries demonstrate that Beleaf PlantBetter is on par with premium national butter brands.

Cost savings and reduced input price volatility: manufacturers can reduce costs while gaining stability in the face of volatile dairy butter prices.

Easy processing: Beleaf PlantBetter offers the convenience of the same processing method as dairy butter, allowing for seamless integration into the production process.

Carbon-reduced and label-friendly

As a conscientious choice for both manufacturers and consumers, Beleaf PlantBetter offers an environmentally responsible alternative to dairy butter as it reduces carbon emissions by 50% compared with standard dairy butter.

This achievement has been independently verified through a third-party study conducted by the Terra institute.

In addition, Beleaf PlantBetter is composed of easily recognizable ingredients from all-natural sources. It aligns with the growing consumer desire for transparency in food products, delivering an ingredient list that consumers can understand and feel good about.

CHINESE DEMAND FOR DAIRY PRODUCTS IS PICKING UP- EARLY SIGNS

NOV 21, 2023

<https://dairynews7x7.com/chinese-demand-for-dairy-products-is-picking-up-early-signs/>

Each month the Milk Monitor delves into the dairy industry and gives us the lowdown on the good, the bad, the ugly and everything in between.



The year is winding down, with three more Global Dairy Trade auctions left for 2023 at the time of going to press.

Prices dipped 0.7% following the November 8 auction and 2.7% for whole milk powder, ending the run of four consecutive lifts.

Westpac senior agri economist Nathan Penny says from that perspective, prices were due for a break.

WMP prices had lifted 20% over that period, albeit off a steep fall. Following the November 8 fall, they tempered that lift to 17%.

Penny says there are signs that demand in China is picking up.

Recent economic data has been more positive than expected so this may translate into higher demand over time. Also, WMP Contracts 4 and 5 (for delivery in four and five months' time) were 8% and 9% higher, respectively, than Contract 1.

"This is the clearest sign to date that the removal of the 10% tariff from January will boost Chinese demand," he says in the bank's Agri Update.

Fonterra left its 2023-2024 forecast unchanged at its mid-November annual meeting – \$6.50-\$8/kg MS with a midpoint of \$7.25/kg MS.

This reflects ongoing reduced demand for whole milk powder, although there has been a strengthening in prices recently as supply and demand dynamics improve, Fonterra chief executive Miles Hurrell said in his speech at the meeting.

"New Zealand's milk collections are forecast to be slightly lower than last season, while aggregate milk growth in key export markets is also expected to be below average. On the demand side, it is not yet clear whether the stronger demand seen in recent Global Dairy Trade events will be sustained so we are cautious in our outlook."

He acknowledged that the strong financial result posted by the co-op was on the back of a falling milk price due to reduced demand and that farmers are facing pressure from continuous high input costs.

"On the demand side, it is not yet clear whether the stronger demand seen in recent Global Dairy Trade events will be sustained so we are cautious in our outlook," he said.

Eyes will be now turning to how dry the country will get through December. It's been a reasonably decent latish spring so far, with rain coming along at the right moments to keep the grass growing after the cold and wet winter.

Penny says spring production started on a firm note, indicating it may explain the recent price fall with production up 1.3% compared to September last year.

"Dairy markets previously had been factoring in drought risk on the back of the El Niño weather pattern. In our view, this has been

overdone as New Zealand water tables are generally very high and most farmers have ample feed on hand. This will help mitigate or dampen any drought impact. Moreover, we expect ongoing firm production in annual change terms over the remainder of spring,” he says.

There’s also a positive sign for fertiliser prices with price stability expected into the early New Year, albeit with a warning about the conflict in Israel.

Rabobank agricultural analyst for farm inputs Vitor Pistóia says in the bank’s November update that there is small bearish potential in this market, assuming there is no disruption of supply chains or crude oil prices from the Israel-Hamas war.

“For the next five months we forecast international urea prices to be down 11% in US dollar

terms compared to the period between November 2022 and March 2023, with DAP prices down 26% and potash down 41%.”

In NZ dollar terms that amounts to 4%, 19% and 35% for urea, DAP and potash respectively, he says.

But critical to these prices staying low is what will happen in the Israel-Hamas war. The conflict is far from where Israel mines phosphate and potash and there has been no suspension of port activity so far, he said.

“Not only is the fertiliser supply under threat but also crude oil and natural gas and thus nitrogenous fertilisers. Egypt is a heavy player in this sector. A conflict escalation involving Egypt would flip the market.”

DAIRY PROTEIN FOR LONG LASTING RELIEF FROM DRY MOUTH CONDITIONS

NOV 21, 2023

<https://dairynews7x7.com/proof-of-concept-of-new-material-for-long-lasting-relief-from-dry-mouth-conditions/>



Proof of concept of new material for long lasting relief from dry mouth conditions

Lactoferrin which is a protein found in milk – coloured dark blue – forms the mesh-like architecture of the hydrated microgel, partially coated by a hydrogel made by a polysaccharide κ -carrageenan, coloured light blue.

A novel aqueous lubricant technology designed to help people who suffer from a dry mouth is between four and five times more effective than existing commercially available products, according to laboratory tests.

Developed by scientists at the University of Leeds, the saliva substitute is described as comparable to natural saliva in the way it hydrates the mouth and acts as a lubricant when food is chewed.

Under a powerful microscope, the molecules in the substance – known as a microgel – appear as a lattice-like network or sponge which bind onto the surface of the mouth. Surrounding the microgel is a polysaccharide-based hydrogel which traps water. This dual function will keep the mouth feeling hydrated for longer.

Professor Anwasha Sarkar, who has led the development of the saliva substitute, said: “Our

laboratory benchmarking reveals that this substance will have a longer-lasting effect.

“The problem with many of the existing commercial products is they are only effective for short periods because they do not bind to the surface of the mouth, with people having to frequently reapply the substance, sometimes while they are talking or as they eat.

“That affects people’s quality of life.”

Results from the laboratory evaluation – “Benchmarking of a microgel-reinforced hydrogel-based aqueous lubricant against commercial saliva substitutes” – are reported today (Monday, November 20) in the journal Scientific Reports.

The performance of the newly developed substance in comparison to existing products is due to a process called adsorption. Adsorption is the ability of a molecule to bind to something, in this case the surface of the inside of the mouth.

Benchmark results

The novel microgel comes in two forms: one made with a dairy protein and the other a vegan version using a potato protein.

The new substance was benchmarked against eight commercially available saliva substitutes

including Boots own brand product – Biotene; Oralieve; Saliveze; and Glandosane. All the benchmarking was done in a laboratory on an artificial tongue-like surface and did not involve human subjects.

The testing revealed the Leeds product had a lower level of desorption – the opposite of adsorption – which is how much lubricant was lost from the surface of the synthetic tongue.

With the commercially available products, between 23% to 58% percent of the lubricant was lost. With the saliva substitute developed at Leeds, the figure was just 7%. The dairy version slightly outperformed the vegan version.

Dr Olivia Pabois, a Research Fellow at Leeds and first author in the paper, said: “The test results provide a robust proof of concept that that our material is likely to be more effective under real-world conditions and could offer relief up to five times longer than the existing products.

“The results of the benchmarking show favourable results in three key area. Our microgel provides high moisturisation, it binds strongly with the surfaces of the mouth and is an effective lubricant, making it more comfortable for people to eat and talk.”

The substances used in the production of the saliva substitute – dairy and plant proteins and carbohydrates – are non-toxic to humans and non-caloric.

Although testing of the new product has involved just laboratory analysis, the scientific team believe the results will be replicated in human trials.

The authors of the study are looking to translate the lubricant technology into commercially available products, to improve the quality of life of people who experience debilitating dry mouth conditions.

Xerostomia – healthcare burden

A dry mouth or xerostomia, to give it its medical name, is a common condition which affects around one in ten of the population, and is prevalent among older people and people who have had cancer treatment or need to take a mix of medicines.

In severe cases, a dry mouth results in people having discomfort swallowing and leads to malnutrition and dental problems, all of which increase the burden on healthcare systems.

The paper – “Benchmarking of a microgel-reinforced hydrogel-based aqueous lubricant against commercial saliva substitutes” – can be downloaded from the Scientific Reports website when the embargo lifts – <https://doi.org/10.1038/s41598-023-46108-w>. The authors are Olivia Pabois, Alejandro Avila-Sierra, Marco Ramaioli, Mingduo Mu, Yasmin Message, Kwan-Mo You, Evangelos Liamas, Ben Kew, Kalpana Durga, Lisa Doherty and Anwesha Sarkar

MILK PRODUCTION GROWTH COMES TO A STANDSTILL IN 2022

NOV 21, 2023

[HTTPS://DAIRYNEWS7X7.COM/MILK-PRODUCTION-GROWTH-COMES-TO-A-STANDSTILL-IN-2022/](https://dairynews7x7.com/milk-production-growth-comes-to-a-standstill-in-2022/)

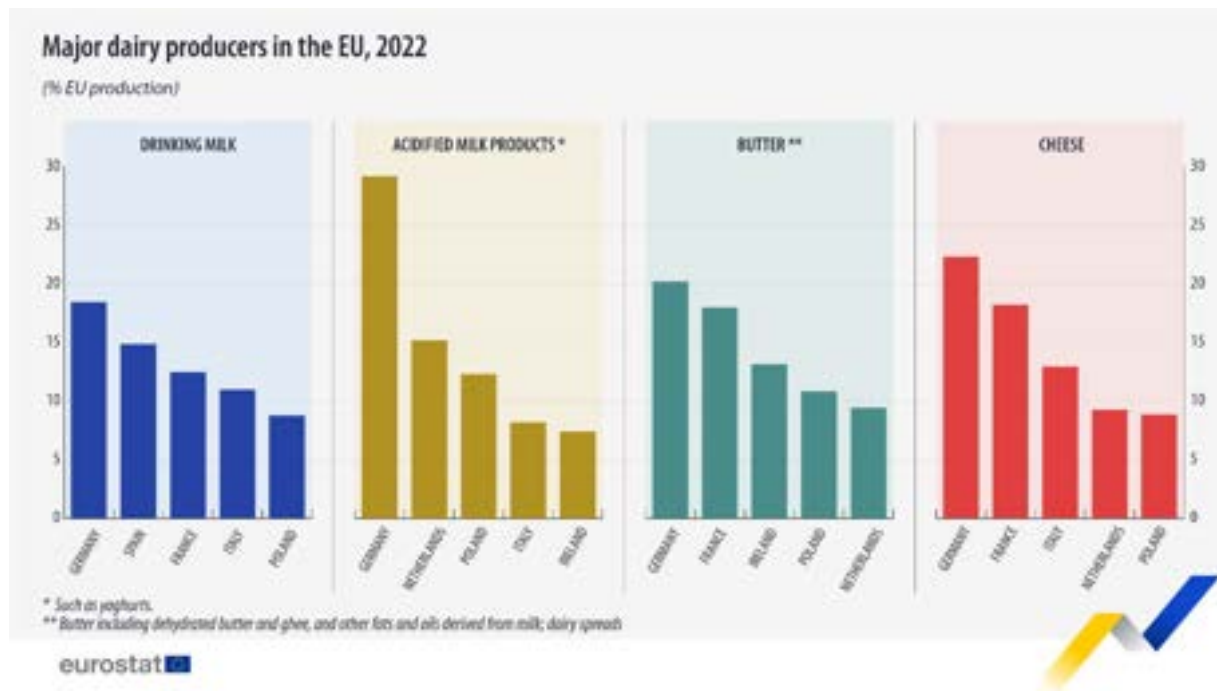


EU farms produced an estimated 160.0 million tonnes of raw milk in 2022, indicating a year-on-year decrease of 0.3 million tonnes. This relative stability contrasted with the steady growth in production since 2010.

The vast majority of raw milk (149.9 million tonnes) was delivered to dairies, the rest being used directly on farms. It was used to produce a range of fresh and manufactured dairy products.

This information comes from data on milk and milk products just published by Eurostat. The article presents a handful of findings from the more detailed Statistics Explained article on milk and milk products.

Among other products, dairies produced 22.5 million tonnes of drinking milk in 2022; 7.7 million tonnes of acidified milk products from 6.0 million tonnes of whole milk and 1.7 million tonnes of skimmed milk; 2.3 million tonnes of butter from 46.4 million tonnes of whole milk; and 10.4 million tonnes of cheese from 59.2 million tonnes of whole milk and 16.9 million tonnes of skimmed milk. Together, the production of cheese and butter used 70% of all the whole milk available to dairies in the EU.



Among EU countries, Germany was the biggest producer of drinking milk (19% of the EU total), butter (20%), acidified milk products like yoghurts (29%) and cheese (22%). France was the second largest producer of both butter and cheese (18% of the total in each product).

Germany, together with Spain (15% of the EU total), France (13%), Italy (11%) and Poland (9%) accounted for two thirds of the drinking milk produced in the EU in 2022.

Other EU countries were key producers of other fresh and manufactured dairy products: the Netherlands was the second largest producer of acidified milk products in the EU (15% of the total), the fourth largest of cheese (9%), and the fifth of butter (10%), while Ireland was the third largest producer of butter (13% of the EU total) and fifth largest of acidified milk products (7%).

INVESTMENT OPPORTUNITIES IN VIETNAM'S DAIRY SECTOR

NOV 18, 2023

<https://dairynews7x7.com/investment-opportunities-in-vietnams-dairy-sector/>

Vietnam's dairy sector is experiencing strong sales growth on the back of a middle-class that is expanding by the day. In this article, Vietnam Briefing examines opportunities in the sector for foreign firms but also the hurdles they may face.



Vietnam's growing population and the increasing wealth of its middle class is seeing demand for milk and dairy products in the country boom. In fact, per capita milk consumption is expected to increase by around 40 percent, from 28 liters in 2021 to 40 liters per year by 2030, according to Research and Markets.

However, Vietnam's domestic milk production falls short of meeting the country's demand. According to the Food and Agriculture Organization (FAO), in 2021, Vietnam produced 1,097 tons of milk domestically but had to import more than 3,705 tons. This stark contrast between supply and demand highlights the need for increased milk production and the growing importance of dairy imports to meet consumer needs.

Furthermore, the Vietnamese government is also actively promoting dairy as an important part of a balanced diet. In 2016, for example, the government approved the School Milk Program, which aims to provide daily milk to children in kindergartens and elementary schools.

There is also the 'Stand Tall Vietnam Milk Fund', operated by Vinamilk. Since 2007, this program has contributed significantly to boosting dairy consumption by donating over 42 mil-

lion boxes of milk to more than 500,000 children across the country. This collective effort reflects a broader desire to ensure children have an adequate supply of milk.

Apart from liquid milk, there is also a shifting consumer preference for other dairy products in Vietnam. The growing influence of Western cuisine, with dishes like burgers, pizzas, and burritos is gaining traction and has contributed to an increased demand for cheese, butter, and yogurt.

With this in mind, many investors are eager to explore opportunities in Vietnam's dairy industry. So how can investors most effectively enter Vietnam's dairy market?

Investment opportunities

Dairy processing companies

One approach is to invest in established dairy processing companies that already have a presence in the market. These companies have often been involved in the production and distribution of dairy products for a long time, and this grants them valuable market knowledge. Investing in these companies can save investors time and effort that would otherwise be spent on extensive market research and developing market-entry strategies.

An example of this investment approach can be seen in the case of Growthem Capital Partners. The investment firm has committed to investing approximately US\$100 million to acquire a 15 percent stake in the Vietnam International Dairy Joint Stock Company (IDP).

"IDP is a unique opportunity for us to participate in Vietnam's rising consumption story," Trang Tran, the managing director at Growthem Capital, told Bloomberg back in April.

Another foreign company that has recognized the potential of the Vietnamese market is the Morinaga Milk Industry Group, a leading milk producer from Japan. The group has taken steps to expand its presence in Vietnam, starting with its acquisition of all shares in Elovi Vietnam in 2021. Furthermore, In May 2023, Morinaga Milk Industry paid VND 106 billion (approximately US\$4.5 million) to acquire a 51 percent stake in a joint venture with Hoa Sen Group's Le May, a domestic dairy producer, forming the Morinaga Le May Vietnam Joint Stock Company.

Dairy farming

Investing in dairy farms is another option for dairy investors. However, it's worth noting that effective dairy farming often requires expertise in animal husbandry whereas Vietnamese farmers tend to favor less predictable spontaneous breeding.

Interestingly, several domestic dairy companies in Vietnam have sought to address this shortage of expertise by establishing farms abroad. For example, VitaDairy has invested in a US\$10 million farm with 1,000 cows in Tasmania, Australia.

On that note, Vinamilk, a prominent dairy company in Vietnam, has also expanded its dairy herd overseas by starting work on phase 1 of a dairy complex in Xieng Khouang, Laos, housing a herd of 24,000 organic dairy cows.

A robust dairy farm system is seen as crucial by dairy companies in Vietnam to ensure a stable supply of milk. Therefore, it is essential to have farms that meet international standards and to leverage livestock expertise and technology to maximize livestock productivity. This, however, will require skills and investment two areas in which foreign firms may be able to assist and profit.

Other dairy products

Foreign investors also have the opportunity to explore investments in companies specializing

in the production of various dairy products beyond traditional milk. By capitalizing on specific consumer demands, companies can tap into niche markets within the dairy industry.

A notable success story in this regard is the Laughing Cow cheese brand, owned by Bel Group from France. In 2015, Bel Group invested approximately US\$17 million to establish a factory in Vietnam. This strategic move increased production output specifically for the Southeast Asian market and proved to be very profitable.

Similarly, in recent times, Orion Food Vina (OFV), a subsidiary of Orion Korea, entered into a collaboration with Dutch Mill, a renowned dairy company with a 70 percent market share in Thailand. The objective of this partnership was to introduce new products to the Vietnamese market. As a result of this joint venture, two new product lines were launched: Choco IQ, a combination of barley milk and barley flour, and ProYo, a drinking yogurt, both showing promise among Vietnamese consumers.

Technology and equipment

To increase productivity and enhance efficiency within the dairy industry, the integration of technology becomes crucial. Investors can explore opportunities in technologies such as automated milking systems, feeding systems, storage equipment, and other innovative solutions. Providing these technological solutions not only addresses the challenges faced by the dairy industry in Vietnam but also presents a profitable venture for foreign farm equipment firms.

Challenges

Market competition

Statista's data from 2021 reveals that Vinamilk, a domestic brand, held an impressive 43.7 percent market share Vietnam's dairy market. Following closely behind were TH Food with a 14.1 percent market share and Friesland with 9.4 percent. The strong presence of well-established domestic brands indicates that they

have already secured a firm foothold and enjoy widespread brand recognition among Vietnamese consumers. As a result, new entrants or foreign investors must carefully develop strategies to effectively compete against these local firms.

However, while the dominance of domestic brands in the Vietnamese dairy market presents hurdles for new entrants, it also underscores the potential of the market. Investors willing to invest the time and resources, and to do the careful planning required can tap into the growing demand for dairy products in Vietnam and establish a successful presence alongside these well-established domestic players.

Regulations

The market competition for dairy products in Vietnam can be significantly influenced by free trade agreements and regulations. One such agreement is the European Union-Vietnam Free Trade Agreement (EVFTA). Under this agreement, import taxes on dairy products from the EU will gradually decrease. For many products, such as milk and cream without added sugar or products containing natural milk ingredients, the import tax will be reduced from 5 to 5 percent to 3.5 to 0 percent. This reduction in import tariffs will make European dairy products more competitive in the Vietnamese market.

Another trade agreement that may impact the dairy industry in Vietnam is the CPTPP. This agreement aims to gradually eliminate import tariffs on various goods, including milk and dairy products. As the tax rates approach 0 percent, it will create a favorable environment for foreign dairy products entering the Vietnamese market. Notably, countries like New Zealand, Australia, and Japan, which are major exporters of milk, stand to benefit immensely from this agreement.

While the reduced import taxes may pose challenges for domestic businesses, they also present opportunities for enhancing competitiveness. The availability of foreign products encourages domestic businesses to improve their production processes and foster higher quality standards.

Climate change risks

Vietnam's agricultural sector, including dairy farming, is vulnerable to the effects of extreme weather events, changing rainfall patterns, and rising temperatures. These climate-related factors can have significant implications for feed availability, animal health, and overall farm productivity.

According to research conducted by the United States Department of Agriculture (USDA), when the temperature-humidity index (THI) exceeds 70, cattle are prone to heat stress. In Vietnam, where temperatures can exceed 25 degrees Celsius and relative humidity often surpasses 80 percent, THI goes over 75 regularly. These conditions can have adverse effects on the production capacity of dairy cows, ultimately reducing the overall milk output of the industry.

Moving forward

Vietnam's dairy industry presents numerous opportunities for investors to explore and profit. Beyond traditional milk products, there is scope for investment in various sectors of the dairy industry including dairy products, farming, and the provision of farm equipment and technology.

However, it is important to note that along with the opportunities, there are also risks and challenges to navigate. In this light, firms looking to enter Vietnam's dairy market should contact the market entry experts at Dezan Shira and Associates.

LEE MIELKE: MILK ESTIMATES LOWERED IN USA FOR 2024

NOV 16, 2023

<https://dairynews7x7.com/lee-mielke-milk-estimates-lowered-in-usa-for-2024/>

The Agriculture Department lowered its milk production forecasts for 2023 and 2024 in the latest World Agriculture Supply and Demand Estimates report.



The 2023 forecast was reduced from last month as milk cow numbers were revised lower in the latest Milk Production report, and the lower estimated numbers were carried into the fourth quarter forecast. Growth in milk per cow was also slowed in the fourth quarter with slower-than-expected growth for third quarter.

The 2024 milk forecast was reduced as the lower forecasts of milk cows and milk per cow for late 2023 are carried into 2024, according to the USDA.

2023 production and marketings were estimated at 227.1 billion and 226.1 billion pounds, respectively, down 500 million pounds on both from a month ago. If realized, both would be up 600 million pounds or 0.3% from 2022.

2024 production and marketings were projected at 230.0 billion and 229.1 billion pounds respectively, down 400 million pounds on production and 300 million on marketings. If realized, 2024 production would be up 2.9 billion pounds or 1.3% from 2023.

The 2023 Class III milk price forecast was raised on a higher expected whey price, but the Class IV price was lowered as a weaker butter price more than offset slightly higher NDM. The

Class III is projected to average \$17.10 per hundredweight, up a nickel from last month's estimate, and compares to \$21.96 in 2022 and \$17.08 in 2021. The 2024 average was estimated at \$17.70, up 50 cents from last month's estimate.

The 2023 Class IV price was projected to average \$19.20, down a nickel from a month ago, and compares to \$24.47 in 2022 and \$16.09 in 2021. The 2024 average, at \$18.85, was raised a nickel from last month's projection.

Corn, soybean outlook

The U.S. corn outlook is for larger production, domestic use, exports, and ending stocks. Corn production was forecast at a record 15.2 billion bushels, up 170 million or 1% from last month, and up 11% from 2022, on a 1.9-bushel increase in yield to 174.9 bushels per acre. Feed and residual use was raised 50 million bushels to 5.7 billion and corn for ethanol was raised 25 million bushels to 5.3 billion. Exports were raised 50 million bushels to 2.1 billion. Corn ending stocks were up 45 million bushels to 2.2 billion. The season-average corn price was lowered a dime to \$4.85 per bushel.

The soybean outlook called for increased production and ending stocks. Soybean production was forecast at 4.13 billion bushels, up 25 million or 1% from last month's estimate, but down 3% from a year ago. Yields are expected to average 49.9 bushels per acre, up 0.3 bushel from both the previous forecast and 2022. Soybean ending stocks were raised to 245 million bushels. The season-average soybean price was forecast at \$12.90 per bushel, unchanged from last month. Soybean oil was reduced 2 cents to 61 cents per pound, and soybean meal was unchanged at \$380.00 per short ton.

Butter melts below \$3

CME block Cheddar saw a third consecutive week of decline last week, closing Friday at \$1.60 per pound, down 6.50 cents on the week, lowest since July 19, and 60 cents below a year ago when it jumped 19 cents, hitting \$2.20.

The barrels fell to \$1.5450 last Tuesday, lowest since Oct. 4, but closed Friday at \$1.65, up a penny on the week, 41.25 cents below a year ago, and an inverted 5 cents above the blocks. 15 cars of block and 20 of barrel were sold last week at the CME.

Monday's trading took the blocks back up 4.25 cents on 3 trades and they gained a half-cent Tuesday on 3 more trades, hitting \$1.6475.

The barrels were up 2.50 cents Monday on a trade and inched a half-cent higher Tuesday on a trade, to \$1.68, 3.25 cents above the blocks.

The Midwest spot milk price was mostly steady last week despite an increase in offers, according to Dairy Market News. The \$2-over Class III prices are not being reported but cheesemakers opting for spot milk say \$1-over is the going rate. Others say offers have remained quiet but they are not looking for outside sources. Cheese inventories are moving in a steady fashion with similar numbers to previous years, according to DMN.

Cheese manufacturers and distributors indicate retail and food service demand is steady to moderate in the West while restaurants have shown less activity. Cheese inventories are "comfortable" and decreasing slightly. Export demand is moderate to light. Sentiment is that domestic prices, when compared to European Union and Oceania prices, are not creating strong export opportunities. Class III milk demand remains strong to steady, according to DMN.

Butter fell below \$3 per pound last Tuesday, first time since September 21, and closed Friday at \$2.60, down a whopping 50.75 cents on the week, lowest since July 21, and 30.50 cents

below a year ago when it jumped 13.25 cents. Sales totaled 31 loads for the week.

The butter recouped 4.50 cents Monday on a trade and repeated the show Tuesday with another 4.50 cent rise to \$2.69, on 2 sales.

Cream is widely available, says DMN, and multiples have moved below the 1.20 mark. Some plants continue to micro-fix in order to avoid building inventory in view of prices. This added to the increase in cream availability. Butter demand has slowed, particularly in food service, but retail interest remains.

Western handlers note fat component levels in milk have improved and so has cream availability, though it's tighter in the Northwestern part of the region. Retail butter demand is strong to steady domestically. Cream multiples and butter prices are subsiding but butter makers are hesitant to purchase much additional cream. Others say they will wait until Thanksgiving before starting to churn again and let markets settle before rebuilding inventories. Export demand remains steady from Canadian purchasers but light elsewhere, according to DMN.

Grade A nonfat dry milk saw its Friday closing at \$1.20 per pound, up 1.50 cents on the week but 23 cents below a year ago, with 5 sales reported on the week.

Monday's powder was up 2 cents with 5 loads finding new homes, highest since Oct. 27, but stayed put Tuesday, holding at \$1.22 per pound.

Dry whey finished Friday at 39.75 cents per pound, up a penny on the week but 4.25 cents below a year ago, with 12 sales put on the CME board.

The whey gained 0.75 cents Monday on a trade and added 1.50 cents Tuesday, hitting 42 cents per pound, highest since April 4, with 7 loads exchanging hands.

Mixed Pulse

Tuesday's GDT Pulse saw mixed sales on Fonterra skim milk and whole milk powder. 2,180

metric tons or 96.9% of the total 2,250MT on offer was sold.

HighGround Dairy's analysis shows 440MT more Instant WMP was sold and 74MT less

Regular WMP versus the last GDT Event. 100% of the 1,000MT of SMP on offer was sold in this auction, according to HGD.

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