

IDA Gujarat Chapter organized a Seminar in Ahmedabad

INDIAN DAIRY ASSOCIATION (Gujarat State Chapter) in association with SMC College of Dairy Science, Anand Agriculture University organized a seminar on “Dairy Products or Imitations: Consumer Dilemma” on 19 October, 2019 at Bhaikaka Hall, Law Garden, Ahmedabad.

This seminar was organized to bring together the key stakeholders of the dairy industry viz., dairy professionals, academia, policy makers and consumers to discuss the impact of analogue/imitation products in dairy industry and consumers mind. Shri H.G. Koshia, Commissioner, FDCA, Gujarat was the Chief Guest of the function. The program was attended by about 300 persons.

Analogue/imitation products are products which are similar in physical as well as functional properties of dairy products. Analogues are designed and manufactured using cheap ingredients which substitute partially or in full the original dairy ingredients. For example, milk fat, which is costly, is often substituted with cheap vegetable fats/oils to manufacture products like margarine/vegetable fat spreads (imitating butter), frozen desserts (imitating ice-cream), filled cheese (imitating natural cheese), filled cream (imitating dairy cream), burfi (imitating sweetened khoa), etc. Additionally vegetable proteins are also used to substitute milk protein in some of the above-mentioned products. Analogues have posed a big challenge to the dairy industry of India and if the proliferation of such look-alike dairy products, made out of using cheaper ingredients is not stopped, the dairy farming in India shall be hurt to a point of no return.

The dairy fraternity along with Government of India are working hand-in-hand to create awareness among consumers through advertisements, seminars, etc. as well as framing appropriate regulations to differentiate between dairy products and their analogues.

Various regulations have been drafted and enforced by regulators both nationally as well as internationally to safeguard interest of dairy farmers as well as the consumers. FSSAI has also operationalized the standards of milk and milk products with-effect-from 1st of July, 2018 which redefines milk and milk products in a more comprehensive manner especially taking into consideration the applicability of “dairy terms” under section 3 of the regulation. Still, the business of analogue products is proliferating unabated and profusely in India. Strict enforcement of the revised regulation is the need of the



hour as is efficient consumer awareness campaigns by the dairy fraternity.

IDA Eastern UP Chapter Election Results Declared

Election of the IDA Eastern UP Chapter was declared on 16 November, 2019. Election results were declared by Returning Officer, Mr. I.K. Narang and his team. The results declared are: **Chairman:** Dr. Dinesh Chandra Rai; **Vice-Chairman:** Dr. Anil Kumar Chauhan; **Secretary-cum-Treasurer:** Dr. Amrita Poonia; **Members (RE):** Prof. (Dr.) John David; **Member (MP), Member (PP) and Member (DI)** positions remained vacant.

World Food Day Celebrated by IDA (Kerala Chapter)

AS PART OF WORLD FOOD DAY celebration Indian Dairy Association (Kerala State Chapter) in association with Kerala Veterinary and Animal Sciences University (KVASU) Union and Association of Food Scientists and Technologists (India) organized a national conference on “Food technology Innovations for food security — FOODZONE’19” on 18 October, 2019.

The event was organized at Verghese Kurien Institute of Dairy and Food Technology, Mannuthy, Thrissur, Kerala. The event was inaugurated by the honourable Vice-Chancellor of KVASU Prof. (Dr.) Saseendranath.

72 registered participants attended the seminar. In the afternoon session, E-poster competition (12 teams) and Food judging competition (17 teams) were conducted as part of the event. The prizes for E-poster and judging competition were distributed by Dr. S.N Rajakumar, Chairman, IDA Kerala State Chapter and Mr. Rajeev T.S., Director of Students Welfare, KVASU.



NATIONAL news

India did not join RCEP Agreement

INDIA has decided to remain out of the Regional Comprehensive Economic Partnership (RCEP) agreement since its concerns were not addressed in the deal. Hon'ble Prime Minister Shri Narendra Modi stood firm on the issue that India's concerns were not addressed in the agreement. RCEP agreement with China and ASEAN countries does not reflect its original intent and the outcome is not fair or balanced.

In his speech at the RCEP summit in Bangkok, Shri Modi said, India stands for greater regional integration as well as for freer trade and adherence to a rule-based international order. India has been pro-actively, constructively and meaningfully engaged in the RCEP negotiations since inception. India has worked for the cherished objective of striking balance, in the spirit of give and take. “Today, when we look around we see during seven years of RCEP negotiations, many things, including the global economic and trade scenarios have changed. We cannot overlook these changes. The present form of the RCEP Agreement does not fully reflect the basic spirit and the agreed guiding principles of RCEP. It also does

not address satisfactorily India's outstanding issues and concerns. In such a situation, it is not possible for India to join RCEP Agreement,” he added.

China was forcefully pushing for inking the deal during the RCEP summit, which was seen as an attempt to counter-balance the impact of its lingering trade war with the US as well as to project the region's economic might to the West. However, India firmly stood its ground against signing up for the agreement.

The proposed free-trade agreement was among 10 member countries of the Association of Southeast Asian Nations (ASEAN) and six of the bloc's dialogue partners — China, Japan, South Korea, India, Australia, and New Zealand.

The RCEP negotiations were launched by ASEAN leaders and the six other countries during the 21st ASEAN Summit in Phnom Penh in November 2012. The objective of launching RCEP negotiations was to achieve a modern, comprehensive, high-quality, and mutually beneficial economic partnership agreement among the ASEAN member states and its FTA partners.

DAKSHINA KANNADA MILK UNION TO LAUNCH COLD COFFEE

The Dakshina Kannada Cooperative Milk Producers' Union Ltd is likely to launch a new product - Nandini Cold Coffee - in Mangaluru, this month.

Mr. Raviraj Hegde, President of the Milk Producers' Union, said the Dakshina Kannada union will be the first cooperative sector union in Karnataka to launch cold coffee in the market. He also said that Nandini Cold Coffee, which is prepared from sterilised homogenised milk, will have a shelf-life of 180 days. A 200 ml CPP (cast polypropylene) bottle of cold coffee will be priced at ₹25. The Milk Producers' Union will also launch 'Nandini Kashaya' in 200 ml CPP bottles. Nandini Kashaya is a concoction of coriander, jeera, turmeric, dry ginger, black pepper, and jaggery in sterilised homogenised milk. Each bottle of Nandini Kashaya will cost ₹20.

The Dakshina Kannada union is one of the 14 milk unions in the state that are part of the Karnataka Milk Federation, which markets its products under the brand name 'Nandini'.

MADHYA PRADESH GOVT PLANS TO LEVY 'COW CESS' TO FUND 'GAUSHALAS'

Aiming to raise funds for proper care of stray bovines, the Madhya Pradesh government is considering a proposal to levy cow cess in the state. The Congress had promised to set up 'gaushalas' in every gram panchayat in the state. The Madhya Pradesh government has decided to impose a cow cess in order to collect the required funds for the establishment of cowsheds. Fresh census has revealed there are over 10 lakh stray cows in the state and their care requires massive funds.

IDA, Industry and farmer groups hail govt's move on RCEP

IN RECENT months serious apprehensions and reservations on RCEP have been expressed by a large number of sectors including dairy. President-IDA had also written in President's Desk of November issue that the dairy sector must be kept out of RCEP. Indian Dairy Association joins hands with the industry, traders and especially farmers in appreciating the decision taken by the Hon'ble Prime Minister's on RCEP. The dairy industry had expressed apprehension that the 16-nation trade pact would severely impact dairy farmers because of cheaper imports of dairy products from Australia and New Zealand.

Amul Managing Director Dr. R.S. Sodhi described the move as "daring" and "landmark" which will protect the interest of 10 crore farmers engaged in production of milk and related products. He also said that Prime Minister has assured the industry that the government would protect their interest.

CII appreciates Government of India's stance on addressing all outstanding issues before joining RCEP, said Mr. Vikram Kirloskar, President, Confederation of Indian Industry. FICCI President Mr. Sandip Somany said the chamber fully supports the Prime Minister's decision against joining RCEP, as India's several concerns remain unaddressed and various issues are unresolved so far.

National Livestock and Poultry Show 2019 Assam

A THREE DAY NATIONAL LIVESTOCK AND POULTRY SHOW 2019 was organised by Animal Husbandry and Veterinary Department, Govt. of Assam during 7-10 November, 2019 at Veterinary College Compound, Khanapara (Guwahati).

The show was inaugurated by Shri Sarvananda Sonowal, Hon'ble Chief Minister of Assam, Shri Giriraj Singh, Hon'ble Cabinet Minister for Animal Husbandry, Dairying and Fisheries, Govt. of India was the Guest of Honour. Shri Atul Chaturvedi, Secretary, Animal Husbandry and Dairying, Govt. of India also participated.



Assam maintains cattle, goats, pigs and poultry breeds. Experts from different parts of the country disseminated the knowledge on modern methods in Animal Husbandry to enable the farmers of the state to double their income. About 200 stalls displayed different aspects of livestock farming.

The Chief Minister said that Assam is the first state in the country to promote policy for private investment in livestock sector. The economy of Assam is agriculture based wherein 70 per cent of the population is engaged in agriculture as a primary occupation and livestock rearing is a predominant subsystem. Animal Husbandry is potentially one of the most important sectors for rapid socio-economic development of the State.

Union Minister Shri Giriraj Singh mentioned that there is a lot of scope for developing North East Region as an export hub of livestock products through adoption of latest technology. The Central Govt. would provide adequate funds to the state government for training 4000 youths of the state in artificial insemination of animals.

Experts from various livestock industries and Associations were invited to deliver special lectures on latest technologies. The President IDA delivered a lecture on Food Safety as applied to Dairy Industry. He also participated at the high level committee meeting chaired by Commissioner cum Finance Secretary, Govt. of Assam to discuss the problems of dairy development in Assam and roadmap for future growth. The meeting was attended by state officers of dairy development department including Mr. D.D. Deka, former Director Dairy Development, Assam. A decision was taken to set up the state chapter of IDA at Guwahati. Among others who delivered the lectures included Prof. R.M.Joshi, Indian Institute of Foreign Trade and Dr. Jana, Head, Dairy Technology Department, Anand Agricultural University.

The closing ceremony on 10 November was presided over by Hon'ble Governor of Assam, Prof. Jagdish Mukhi, who gave away the prizes for the Best Farmer and Best Animals Owner.

Prof. Mukhi mentioned that North-east is considered as a new engine of growth and Guwahati has been tipped to be the gateway of South East Asian countries.

Cow hostels for city dwellers

IF THE BIG city and its space crunch has thwarted the dream to own a cow, the 'Rashtriya Kamdhenu Aayog' (National Commission for Cows) has an idea that could allow one to have fresh milk from own indigenous breed. The newly constituted body has proposed that the Centre and states allot 10-15 specifically earmarked areas for 'cow hostels' in every city or urban area for city dwellers interested in not just consumption of the milk but also generating revenue from it. Aayog Chairman, Shri Vallabhkhair Kathiria said that he has already written to the Urban development ministry requesting it to make a guideline for 'cow hostels', which can be incorporated in urban planning framework across the country.

Paucity of space and environmental issues do not allow anyone to keep cows in cities. Once municipal corporations across the country earmark areas for setting up such hostels, 25-50 people can join hands and set up cow hostels where they can pay for their maintenance and use milk of their own cattle.

48TH DAIRY INDUSTRY CONFERENCE 20-22 February, 2020 Birla Auditorium, Jaipur (Rajasthan)

IDA (North Zone), in association with Rajasthan State Chapter (RSC) of IDA, is organizing the 48th DIC at Birla Auditorium, Statue Circle, Jaipur, during 20-22 February, 2020. The theme of the conference is "Dairying for Health and Wealth".

For more information, contact Secretary General, 48th Dairy Industry Conference, C/o 607 Mahima Trinity, Swaj Farm New Sanganer Road, Jaipur- 302019
Email: jaipur48dic@yahoo.com
Website: www.48dic.org

14TH PDFA – INTERNATIONAL DAIRY & AGRI EXPO 2019 7-9 Dec. 2019

**Cattle Fair Ground, Jagraon,
Ludhina, Punjab**

A 3-day, big cattle show and exhibition on Dairy and Agriculture is being organized by Progressive Dairy Farmers' Association at Cattle Fair Ground, Jagraon, Ludhina, Punjab.

For further details, contact at 08427800484/08591540003

9TH INTERNATIONAL CONFERENCE 13-14 Dec. 2019

**Anand Agricultural University,
Anand (Gujarat)**

Ninth International Conference on "Fermented Foods, Health Status and Social Well-being" is scheduled to be held at Agricultural University, Anand (Gujarat). Three-four technical sessions will be held besides a Panel Discussion and an Industry Forum. For further details, contact: Dr. J.B. Prajapati, Coordinator, SASNET-FF, AAU, Anand.

Web: www.fermented-foods.net
Email:coordinator.sanset@gmail.com

NDRI Student bags BRICS Young Innovator Prize

MR. RAVI PRAKASH, Ph.D. Scholar of ICAR-National Dairy Research Institute (NDRI), Bangalore won the BRICS Young Innovator Prize, carrying \$25,000 as the first prize, in the 4th BRICS-Young Scientist Forum (YSF) - 2019 held during 6-8 November, 2019 in Rio de Janeiro, Brazil. Mr. Ravi Prakash has invented an affordable indigenously designed milk chilling unit for small to marginal rural dairy farmers.

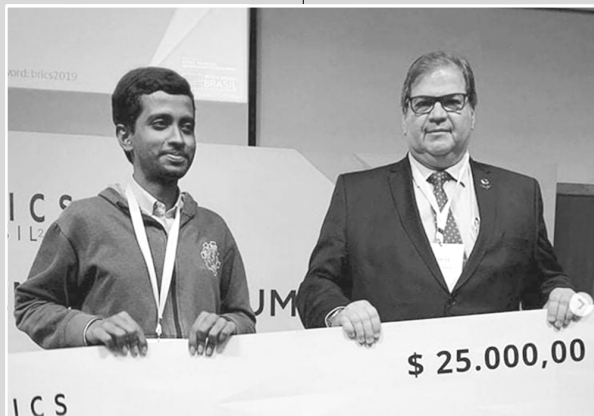
The technology can be used for chilling milk from the point of production by bringing down the temperature of raw milk from 37°C to 7°C within 30 min using nano-fluid based phase change materials. This innovation is of great socio-economic importance for all the developing countries by preserving quality and safety of milk just after production. This innovation will add the value in farmer's kitty.

Mr. Prakash, who hails from a very remote village, Harsari from West Champaran district of Bihar was a part of 21-member delegation, deputed by the Department of Science and Technology, India for BRICS-YSF 2019. He was born and raised in a farmer's family. He has a keen interest in addressing rural issues of farmers. Having done his schooling in vernacular medium, Mr. Prakash completed his B. Tech and M. Tech degree from ICAR-NDRI, Karnal. He has already been awarded Gandhian Young Technological Innovation Award by the Honourable President of India in 2018.

During the 6th BRICS Summit (Fortaleza, July 2014), the Honourable Prime Minister of India mooted the idea of youth engagement and desired to develop an innovative mechanism to engage, network and connect BRICS youth. Subsequently, India's proposal on the creation of a BRICS YSF gathered unanimous support and endorsement by the BRICS Science, Technology and Innovation Ministers at the 2nd STI Ministerial Meeting (Brasília, March 2015). BRICS Young Scientist Forum is coordinated by Department of Science and Technology, India, International multilateral and Regional Cooperation Division.

The BRICS Young Innovator Prize aims to recognize and reward the best results related to research, development and innovation projects that represent technological innovation and a potential contribution to the science and technology sector of the BRICS countries. It is in special recognition of young talented entrepreneurs and researchers, whose outstanding innovations will make a profound impact on the socio-economic environment and conditions of life in BRICS countries. These bright young students, researchers and entrepreneurs drawn from science, engineering and allied disciplines will represent BRICS next generation scientific and technological leadership.

NDRI Director, Dr. R.R.B. Singh and other scientists complimented him for developing the new technology.



FSSAI launches Food Safety Mitra for ease of doing business

IN A BID TO improve the ease of doing business, apex food regulator Food Safety and Standards Authority of India (FSSAI) recently launched a scheme — Food Safety Mitra (FSM). The scheme will support small and medium scale food businesses in compliance to food safety laws.

The scheme will lead to improved ease of doing business by creating a transparent and organized ecosystem supporting food businesses wherein they will

be able to get trained service providers at fair prices — lowering the costs of compliance.

“Apart from strengthening food safety, this scheme would also create new employment opportunities for youth, particularly with food and nutrition background. The FSM would undergo training and certification by FSSAI to do their work and get paid by food businesses for their services,” said Mr. Pawan Agarwal, Chief Executive

Officer, FSSAI.

FSM opens a new dimension to food safety ad-ministration by augmenting government capacity and providing services to small and medium food businesses in the area of registration and licensing, training and hygiene rating. Through FSM, FSSAI plans to engage motivated individuals with the food safety ecosystem at ground level.

A Food Safety Mitra is an individual professional certified by FSSAI who assists in compliances related to Nutrition in India chapters of respective States may also be taken.



FSS Act, Rules and regulations with three avatars viz. Digital Mitra, Trainer Mitra and Hygiene Mitra depending upon their respective roles and responsibilities.

The FSSAI has also written to various states to implement the scheme properly. It has asked that in order to kick start the scheme, the assistance of the Network of Professionals of Food and

Vidya Dairy, Anand wins awards in Training & Skill Development

VIDYA DAIRY has recently been awarded with “Best Skill Development for the year” of Gujarat Training & Development Leadership Awards 2019 hosted by World HRD Congress & Star of the Industry Group. Shri Divyesh Chauhan, Asstt. Executive and Shri Vipul Raval, Officer received the award. It has received another award from Baroda Productivity Council namely Excellence & Trophy for being 1st Runner up in GKHC – GreEnv Contest 2019.



Dr. Raja Rathinam, IDA CEC member, appreciated as role model

Dr. Harsh Vardhan, Hon’ble Minister of Health & Family Welfare; Science & Technology and Earth Sciences, Government of India inaugurated the Exhibition of Technologies in Food Processing Developed by CSIR under Lab to Land Program. He appreciated the industries which are implementing the technologies developed by CSIR.

Entrepreneurs were advised to utilise the practical research and development work of CSIR and other research institutes so that India can become more competitive with other countries on quality in Food Sector. Hon’ble Minister also appreciated the efforts of Dr. Raja Rathinam, the Life Member and CEC member of IDA and MD, SKPCL initiated by UNDP under Sustainable Development Goal of UNO who is implementing various schemes of research institutions for the benefit of rural farmers. Dr. Harsh Vardhan added that Dr. Raja Rathinam is one of the role model in the profession. Hon’ble Minister urged CSIR, Ministry of Food Processing and ASSOCHAM to extend such programs in various parts of the country with practical research and extension work. Many dignitaries including Hon’ble Minister for Food Processing; Secretary, Ministry of



Food Processing; Director General, CSIR; ASSOCHAM officials; Directors of various institutions; industrialists and others participated in the program.

Govt. initiative for encouraging private investments in dairy sector

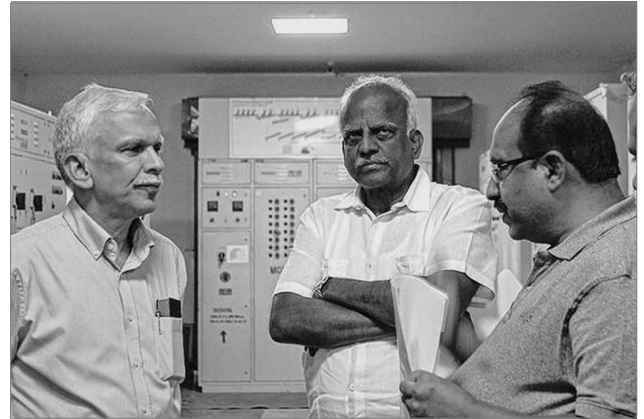
SHRI ATUL CHATURVEDI, IAS, Secretary, Ministry of Animal Husbandry, Dairying and Fisheries, Govt. of India has taken a noble initiative for encouraging private investments in dairy sector as a key for meeting the target of Govt. of India for doubling farmer's income.

The livestock sector is growing at nearly eight per cent per year which is significant for developing the rural economy and employment generation. Shri Chaturvedi is studying some of the successful models in dairy farming and product manufacturing in the private sector. Recently, he has visited M/s Hatsun Agro Product Ltd., a Chennai based company.

Shri R.G. Chandramogan, Chairman and Managing Director of Hatsun Agro interacted with Shri Chaturvedi and explained the working on the organization.

Shri Paneerselvam, who owns 50 cows, is a leading dairy farmers in Tirupur district. Shri Paneerselvam greatly appreciated the efforts of Hatsun Agro and his milk fetches on an averages ₹31 per litre which is deposited to his bank account directly. Hatsun Agro has tagged over 6.5 lakh milch animals that account for about 70 per cent of the cows supplying milk to the country.

Hatsun Agro handles over 35 lakh litres of milk on daily basis with a diverse product range. Hatsun products have earned a brand value.



Modi govt plans cow course to help entrepreneurs launch start-ups in bovine industry

ASPIRING ENTREPRENEURS in the bovine industry will soon get lessons on the spiritual, social, economic and environmental importance of cows. To encourage cow-based entrepreneurship, the Rashtriya Kamdhenu Aayog, which falls under the newly-formed animal husbandry ministry, is set to launch a course that it hopes will help entrepreneurs have complete knowledge of the industry.

While the Aayog has conceptualised the project, the course is being prepared by the Entrepreneurship Development Institute of India (EDII). The course will have 70-80 lectures for entrepreneurs across the country. People need to have basic knowledge of the industry.



An MoU will be signed between EDII and Kamdhenu Aayog for this course. There is a lot of scope in this industry but entrepreneurs don't know about techno-economic benefits from dairying. The Aayog was set up by the Narendra Modi government in February to ensure the conservation, protection and development of indigenous cows in the country.

The course will be divided into five parts each concentrating on a particular theme. Students will be given information on the scope of investment in the industry.

The Aayog is trying to ensure government funding for the project. They further said that the EDII, apart from the course, will also work on developing cow-based

tourism centres.

According to the Chairman, Kamdhenu Aayog, Mr. Vallabh Kathiria, the economic importance of cows needs to be highlighted which will encourage more start-

ups in this field. He has also been holding meetings with academicians and students to chalk out a plan for attracting and encouraging youths to be entrepreneurs in this field.

Verka Dairy Plant Saving ₹ 3.5 Lakh per month by using of LPG

PUNE GASPARTS AND SERVICES PVT. LTD. has helped Verka Dairy, Chandigarh to take an excellent step towards reducing their carbon footprint and increasing their cost efficiency by converting their traditionally used Furnace Oil Boiler to a Gas Fired Boiler. The use of Furnace oil in plant was not only a hazard to the environment but also stood to be a hazard to the worker's health.

By converting their existing furnace oil fired boiler over to a gas fired boiler, Verka Dairy is now able to save approximately ₹ 3.5 lakh per month i.e. ₹ 42 Lakh per year. Using gas has resulted in increased production efficiency, increased boiler efficiency and a reduction in process time.

It is a great effort to save the environment and steps must be taken by the government, especially in dairy sector to encourage cooperative/private to switch over to cleaner sources of fuel like LPG and Natural Gas. This will not only reduce the cost but can also prove to be a significant contribution towards reducing effect of climate change. For further information, interested member/reader may visit punegas.com



INTERNATIONAL news

New GEA nitrogen freeze drying pilot plant for bacteria allows for process testing before investing

GEA has launched its new nitrogen freezing pilot plant for bacteria, giving food and dairy processors the opportunity to trial this new technology in their own plants before investing in production-scale equipment. By freezing bacteria into pellets before drying, GEA is now able to provide processors with greater flexibility, a higher active cell count and reduced costs through better utilization of their fermentation lines and freeze dryers.

Many dairy and food processors, as well as suppliers of probiotic products, use live bacteria as part of their production process (e.g., yogurt or cheese). Traditionally, they have kept their own strains of bacteria and transferred them from one batch to the next. However, as more specialized strains of bacteria have emerged, so too the need to distribute them more widely. This is typically done by freezing them to -50 Celsius and then storing them under temperature-controlled conditions until they are required. This, however, requires a continuous cold chain, which may be no problem in developed countries, but more challenging elsewhere.

For this reason, freeze-dried bacteria have become popular because it can be transported and stored at ambient temperature and rehydrated as required. On the other hand, freeze drying bacteria is a long process requiring several hours to freeze, then an additional 48 to 72 hours for the lyophilization process to be completed; this ties up expensive

bulletin

freeze-drying equipment and limits production.

With its new pilot plant, GEA has taken a different approach, freezing the bacteria in droplets using a liquid nitrogen bath outside the freeze dryer then drying the pellets via the normal procedure. This method has many significant advantages: for example, rather than freezing all of the bacteria in a single batch, it can be collected from a continuous stream improving flexibility and equipment utilization; fermentation and freeze drying are separate so the freeze dryer does not need to be available when the product is frozen: bacteria can be stored at -50°C until it is required; the bacteria cell count resulting from this process is nearly double that of traditional freeze drying techniques; and frozen pellets dry much quicker than bacteria in slab form, therefore the lyophilization process is also faster, typically 24 to 36 hours compared to up to 72 hours.

“Although there is a cost for the liquid nitrogen, this is more than offset by the optimized utilization of the freeze dryer,” explains Morten Pedersen, Area Sales Manager for GEA Process Engineering. “Freeze dryers are expensive so we need to make sure customers are getting the best possible output from them.”

Regarding the higher cell count from this technique, Morten states, “Bacteria that is frozen quickly via liquid nitrogen and dried in this way, is retaining twice as many viable cells than other techniques. This product is more effective than other options and ultimately, reduces the customer’s costs.”

The new pilot plant has a simple design, is easy to use and can be cleaned in place. “We are absolutely committed to this technology and want our customers to have the opportunity of trying it out for themselves in their own factories,” says Morten. “The results already seen with this new pilot plant are impressive and we’re confident that our customers will also be delighted with the results.”

The GEA nitrogen freezing pilot plant will be on display at stand 6F141 in Hall H6 at the Food Ingredients Europe Exhibition in Paris during December 3-5, 2019. GEA sales and technical staff will be available to demonstrate the system as well as provide specific application advice.



Natamycin Based Preservative Increases Shelf Life

NATAMYCIN is one of the globally permitted food preservatives to protect a wide variety of products such as yogurt, cheese, beverages, fermented meat, and baked goods against yeasts and molds. Due to the benefits of Natamycin as a natural and efficient food preservation method, its application has a huge potential to extend shelf life and prevent food waste and spoilage.

The application of our Natamycin based product in yogurt, for example, has increased shelf life from two weeks to over 35 days. With more than 1.5 million different varieties of molds and yeasts, food spoilage remains a constant risk factor during manufacturing, storage, transportation, in the supermarket and in the home of the consumer. The natural mold inhibitor Natamycin helps reduce food waste by protecting a wide variety of products and thereby extending shelf life.

Unlike many other preservation options, the application of our Natamycin based preservative in foods does not produce changes in taste, color or odor. This makes it suitable as a food preservative in a wide range of products.

Natamycin remains stable at a wide pH range (3-9). As most foods have a pH value between pH 4 and pH 7, this makes Natamycin a very versatile food preservative. In order to prevent spoilage in food applications, it works at low dosages between 3-20 ppm. This translates into 3 to 20 mg of Natamycin in 1 kg of a final product.

Natamycin has been tested and approved as a food preservative suitable for human consumption by, amongst others, the European Safety Authority (EFSA), World Health Organization (WHO) and Food and Drug Administration (FDA).

For further information, interested member may write to dairyfood@dairyfood.dk

