



DeLaval's new VMS V310 milking system is equipped with a new exclusive feature, DeLaval RePro, that can detect heat and pregnancy automatically during the milking process. With this new feature, the VMS V310 is extending its productivity advantage to the next generation of cows and dairy farmers. The features of DeLaval InControl, PureFlow and InSight also come as standard. DeLaval RePro provides dairy farmers with accurate insights into the reproductive status of each cow in the herd. Using progesterone based sampling and analysis, heat and pregnancy can be detected in real time as well as cows that are not cycling as they should. This new feature allows farmers to save both time and cost of managing reproduction and unwanted open days.

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Partnership to advance precision



Lallemand Animal Nutrition has entered a research and development partnership with the French biotech firm Dendris. The partnership will focus on developing a monitoring tool to characterise microbial fibrolytic activity in the ruminant digestive tract.

The objective of this new tool is to evaluate the effect of nutritional interventions, including probiotic supplementation, on the functional activity of the digestive microbiota.

This research tool will help advance precision feeding for ruminants and help in the development of diet formulations or new feed additives aimed at maximising energy released from fibre degradation. The companies believe the work will improve animal efficiency in a sustainable way.

Dr Frédérique Chaucheyras-Durand is leading the project for Lallemand Animal Nutrition. "Following an initial phase of prototype development in collaboration with the MEDIS team from INRA and Clermont Auvergne University — during which we selected about 400 key microbial genes involved in fibre digestion — we have pinpointed 60 significant genes, which are our biomarkers of cellulose and

hemicellulose degradation," Frédérique told International Dairy Topics.

"We are now entering a new and exciting phase with Dendris to design a simplified functional biochip to more quickly evaluate the expression of these biomarkers in ruminant digesta. As we are gaining a better understanding of the ruminant microbiota, this new tool will help us evaluate the effect of different dietary conditions, for instance the supply of feed additives, on key functions of this microbiota.

"We have selected Dendris as a partner to develop this tool based on their strong expertise in biochip design. The company has unique a technology platform, DendrisChip, which offers the highest sensitivity on the market," she added.

lallemandanimalnutrition.com

New partnership agreement



INRA and Phileo by Lesaffre have signed a partnership agreement in the field of nutrition and animal health. This partnership strengthens existing collaboration and will optimise many projects around a shared goal: the inclusion of

Investment destination



The eighth edition of the International Livestock, Dairy, Meat Processing and Aquaculture Exposition (ILDEX Vietnam) will be held from 18-20th March, 2020 at the Saigon Exhibition and Convention Centre, Ho Chi Minh City, Vietnam.

The event will provide an international business platform for the livestock industries. Companies will present technology and innovation in equipment, machinery, and IT systems from animal feed to farm processing.

For over 16 years, the organisers have promoted the Vietnamese market as a destination for international investors. ILDEX 2018 attracted 1,924 international participants from 40 countries.

This biennial event builds a marketplace for both local and international industry players to expand their businesses through a wide range of activities.

At ILDEX Vietnam 2020, over 75% of the total exhibitors are international brands, especially from

the 'farm production' segment. Lots of new companies will be exhibiting in Vietnam for the first time, such as Huali, Texha, Brodrene Hartmann, Rotecna, and Inberg.

The event will host 250 leading companies from 30 countries plus there will be seven international pavilions.

The exhibition hall will be divided into zones representing four main industrial sectors, animal health, feed ingredients/additives, farm production and meat processing/handling.

ILDEX also have an exclusive cooperation with Feedinfo, who will be hosting brand new Formulation Briefings at ILDEX Vietnam 2020.

Feedinfo's Formulation Briefings have been created specifically for Asian formulation professionals and nutritionists and will focus on African Swine Fever, alternatives to antibiotics and cost-effective formulation.

The briefings will take place on Thursday 19th March and are free for ILDEX Vietnam 2020 attendees

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agricultural and food systems in a sustainable and economically viable development.

This agreement seals a partnership initiated 15 years ago. Initially focused on demonstrating the beneficial effects of probiotics on the production performance of a number of species (ruminants, pigs, poultry), the collaboration between the two partners has evolved progressively towards more in-depth studies.

These have involved the use of increasingly sophisticated tools in the field of metagenomics, transcriptomics and metabolomics applied to immunology and microbiology, areas for which INRA has provided its expertise, particularly through several CIFRE theses.

Some examples among the topics studied include:

- The impact of probiotics on rumen physiology; an innovative thermodynamic approach.
- The effects on the immune system of beta-glucans in ruminants.
- The ability of dry yeasts to resist pelletization processes.

phileo-lesaffre.com

Devenish expands into Latin America



Global agri technology company Devenish has expanded its business operations in Central America within the Latin American region.

As part of its global growth strategy, Devenish has appointed Enrique Artiga as Regional Sales Manager for Central America.

Enrique will support Dr Jorge Pena, Regional Manager for LATAM, in growing the business throughout Latin America. The company opened its first office in Chile last year and business has been growing steadily in the region since. Globally, there is over one billion metric tons of feed produced each year and 15% of that is produced in Latin America, offering huge potential in this region.

devenishnutrition.com

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International Dairy Topics

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