

**SPECIFIC
FOR YOUR
SUCCESS**

IN THE MIX #66

AUTUMN 2025



Probiotic slashes BRD therapy

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ZooParc de Beauval, one of France's most renowned zoological parks, has launched an innovative trial to assess immune stimulation in penguins, in collaboration with microXpace, the company behind "The Right Sugar," and Lallemand Animal Nutrition, a global leader in microbial solutions for companion animals and livestock. The study explores how a postbiotic-associated immune stimulation strategy may help enhance penguins' immunity against aspergillosis, a respiratory disease that poses a significant risk to birds in zoological settings.

Welcome

Hi Everyone,

As I type this, the weather gods have truly unleashed their fury. Parts of the country have gone without meaningful rain for five months, while others have received a year's worth in just a week. It reminds me of a Dorothea McKellar poem, "I love a sunburnt country, A land of sweeping plains, Of ragged mountain ranges, Of droughts and flooding rains".

The forecast remains highly variable across the nation. It's a stark reminder that it's never too late to plan your fodder needs to future-proof your beef or dairy operation.

The recent floods in Queensland have left vast areas submerged in what can only be described as a «wet drought.» Our thoughts are with everyone affected during these devastating times.

Despite these challenges, we have some exciting events lined up for this year. Be sure to check inside for all the details. As Trump signs off on tariffs, the weather evolves, and markets fluctuate, always remember: a failure to plan is a plan to fail.

Thank you all for your continued support.

Alex Turney - Country Manager

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DID YOU KNOW?

***Saccharomyces boulardii* was discovered in Vietnam 100 years ago ... and it comes from lychees.**

Long before the land became known as Vietnam, following on the footsteps of microbiologists Alexandre Yersin and Louis Pasteur, Henri Boulard was trying to understand why locals were dying from a cholera epidemic, which was marked by severe diarrhea.

He observed those who survived drank a tea from lychee fruit skins. In 1923, upon further research, the microbiological analysis of the preparation of the skins revealed a tropical strain of *Saccharomyces* yeast that developed at a high temperature for yeasts (37°C), the temperature of the human body. The yeast did not have a name, so he gave it its own name: *Saccharomyces boulardii*.

Since then, *S. boulardii* has been extensively studied in both acute and chronic gut disorders, with over 100+ clinical studies and 300+ scientific publications highlighting its significance in human medicine.

Almost a century after its discovery, new applications are still being investigated by the scientific community, revealing the power of this unique yeast strain has for both human and animal health.

Today, the *Saccharomyces boulardii* strain is the only yeast strain used as a probiotic in human nutrition and medicine.



Lallemand appoints Chris Hinks as technical services manager for Northern Victoria



Lallemand Animal Nutrition is pleased to announce the appointment of Chris Hinks as technical services manager for Northern Victoria.

In his new role, Chris will support long-standing technical services manager, David Lewis, to service the region's intensive dairying sector, allowing David more time to focus on his international support and training duties.

Chris will also act as the lead for the smaXtec herd monitoring system.

Chris brings more than 20 years' experience in technology used in the dairy and beef industries, including electronic identification, genetics and management systems via his previous roles with ABS Global, Practical Systems and Tru-Test.

SmaXtec utilises state-of-the-art rumen boluses to monitor minute changes in body temperature around the clock.

Complex algorithms are then used to predict the real-time health, reproductive and rumination status of monitored cows.

Automatic alerts and recommended actions can be sent via any nominated messenger service and accessed via a smartphone, tablet or computer.

Chris Hinks, technical services manager
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Probiotic slashes BRD therapy

A large-scale commercial trial involving more than 10,000 grainfed cattle has demonstrated the effectiveness of a live yeast in reducing the incidence and severity of bovine respiratory disease (BRD) and associated treatment costs.

The trial was conducted by Stockyard in partnership with Lallemand Animal Nutrition, a global leader in microbial technology, and supervised by the consulting veterinarian, Dr Matt George of Bovine Dynamics.

All Angus steers entering Kerwee Feedlot's 200-day feeding program between June to December 2024 were fed a grain-based ration that contained ProTernative, a strain-specific live yeast (*Saccharomyces cerevisiae* boulardii CNCM I-1079) that is scientifically-proven to optimise gut health and boost immunity.

The same yeast is used extensively in human healthcare to restore native microflora populations after medical treatment.

Sourced from Stockyard's established supply chain, the steers had an entry weight of 420-450 kg and an exit weight of 700-800 kg.

Pull rates, mortality, treatment and mortality figures were recorded and compared to the same six-month period the previous year.

This comparison showed an impressive 37% reduction in pull rates; a 32% reduction in BRD cases; a 20% reduction in the number of cattle receiving an antibiotic treatment; and a 14% reduction in all-cause mortalities.

Overall, BRD treatment costs were reduced by 44% compared to the same six-month period the previous year.

The results of the trial are consistent with other large-scale commercial trials conducted in USA, which have shown ProTernative significantly reduces sickness and mortality rates associated with BRD, as well as improving growth rates, feed efficiency and carcass quality.

Stockyard is a third-generation, family-owned business that breeds and finishes approximately 30,000 Wagyu and Angus steers for a range of premium and export markets each year.

Established by Robin and Del Hart almost 70 years ago, Stockyard is now operated by Lachie and Sarah Hart, with their daughters, Bec and Ali, also working full-time in the business as Marketing Manager and Innovation Manager, respectively.

Stockyard Chief Operations Officer - Pastoral & Livestock, Marcus Doumany, who has nearly 25 years' experience in managing pastoral properties and feedlots, says BRD remains the single leading cause of sickness and death in feedlots.

"It's an unfortunate fact that disease can occur when young cattle from different backgrounds move into an intensive feeding situation," he says.

"BRD is not just an animal welfare issue, as it has an obvious impact on livestock performance.

"A sick animal is not going to perform to its potential and ultimately, that's going to affect its carcass quality.

"No one in this industry wants to see an animal suffer.

"Prevention is always better than cure and we do everything we can to make sure our cattle adapt from a pasture background

to an intensive feeding environment."

Stockyard elected to trial ProTernative last year following discussions with their nutritional and veterinary consultant, Dr Matt George, and Lallemand Animal Nutrition Technical Services Managers, Nathan Lister and Matt Bekker.

"Ali and I then visited the US early last year, where we saw ProTernative was being used in about 80% of the feedlots we visited," Marcus says.

"We took the plunge and agreed to trial ProTernative for a month and we saw some exciting outcomes from the outset.

"Initially, we didn't tell our stock team about it so they didn't have get any preconceptions about what might happen.

"After about four or five weeks, they were saying, 'There's something wrong, we don't seem to be pulling or treating as many cattle as usual.'



Pictured: Marcus Doumany, Stockyard Chief Operations Officer - Pastoral & Livestock,



Image owned and supplied by Stockyard

"We decided to go for another two months and then continue out to six months so we had meaningful data to compare."

Marcus says several environmental factors need to be considered when interpreting the results.

"We had twice the number of wet days and above-average rainfall during the last six months of 2024, which not only increased disease pressure but impacted our pre-conditioning program," he says.

"We normally pre-condition our steers in a paddock environment for 28 days before they are inducted into the feedlot, but the wet weather meant some of these paddocks could not be used.

"On the other hand, the completion of a major pen floor upgrading program would have also contributed to the reductions in morbidity and mortality rates."

Stockyard has since incorporated ProTernative into all of its Angus rations throughout the year.

"A hot summer, an early autumn, a wet winter – it doesn't take much to come undone by BRD and we don't want to risk the improvements we've made by taking it out," Marcus says.

"Managing biology is a humbling experience – as fast as you can address one factor, the next challenge tends to reveal itself.

"There is no get-out-of-jail card for BRD – it requires relentless discipline.

"If we can get all the little 'one percenters' right, then ProTernative is going to play its role in helping to avoid a bad outcome in terms of animal welfare."

Stockyard Innovation Manager, Ali Hart, who has worked in the family business since 2020, says the trial has been part of a multi-factorial program to improve BRD management at Kerwee over the past two years.

"There's nothing 'new' about vaccines, pre-conditioning or probiotics but rather it's the way they are implemented," she says.

"We market five brands and one of our specifications is 'natural', which means the animal has never been treated with an antibiotic or HGP.

"ProTernative reduced our treatment rate from 36% to 16%, which meant that we had 2,000 or so more cattle eligible for that specification.

"That gives us more options – and more options means less risk.

Marcus and Ali both acknowledged the crucial role of their livestock team in safeguarding animal welfare.

"It's not just about products or processes, it's about people and I genuinely believe we have one of the best livestock teams in the industry," Marcus says.

"Everyone wants to do the best by our cattle and they go the extra mile every day because they genuinely care about the outcomes.

"We are absolutely committed to minimising our use of antibiotics whilst maintaining the highest standard of animal welfare.

"There's a subtle nuance in knowing which animals to pull and which animals to treat and our pen riders do an exceptional job in that regard.

"We don't mass treat animals and we are proud of that.

"Our goal always is to get treated cattle cured and back to their pen as quickly as possible – and we're pleased to say that about 80% of the cattle we treat for BRD go on to meet their intended market."

Lallemand Technical Manager, Ruminants, Matt Bekker, believes ProTernative offers a number of important animal welfare, antibiotic stewardship and sustainability benefits for the Australian lotfeeding industry.

"ProTernative is technically a probiotic in that it lives symbiotically with its host," he says.

"This unique live yeast enhances the gut environment for beneficial microorganisms, supporting the host's native intestinal microbiome.

"However, it contributes two other important benefits in that it activates the immune system while reducing local and systemic inflammation, both of which can reduce the negative impact of stress in cattle.

"If used correctly, feeding cattle with an immunobiotic solution may provide an alternative to mass treatment with an antibiotic or having to pull-and-treat multiple sick cattle.

"New-generation antibiotics are few and far between, so current therapeutics must be used with greater precision to extend their effective life."

ProTernative®

Get the nutritional edge at Bendigo

More than 50 of the country's leading livestock nutritionists and consultants are expected to attend the 'Meeting the genetics of a modern dairy cow' seminar being held in Bendigo on 19 May, 2025.

Hosted by Lallemand Animal Nutrition, this seminar aims to provide a holistic approach to breeding, feeding and managing dairy cattle to optimise productivity, welfare and profitability.

The program includes new technology to harness the power of cutting-edge dairy genetics, feeding for optimum performance, monitoring and optimising cow comfort, and reviewing the physiology of the cow throughout parturition and lactation.

Speakers include renowned U.S. dairy nutritionist and columnist, Bill Woodley; genetic improvement advisor, Joseph Holloway; and Dutch cow behavioural expert, Nico Vreeberg.

They will be supported by Lallemand Technical Manager Ruminants, Matt Bekker, and Lallemand Technical Services Manager, Micheal Savli, who both have in-depth experience in dairy nutrition and rumen health.

Woodley Dairy Direction Director, Bill Woodley

Bill Woodley has more than four decades' experience in dairy nutrition and management via his long career with a major North American feed company. He now operates his own consulting business, Woodley Dairy Direction. Bill is particularly focussed on identifying and addressing the roadblocks that are hampering production and developing timelines for expected production responses. Bill is a regular contributor to various dairy publications, including Dairy Global.

Semex National Key Accounts and Solutions Manager, Joseph Holloway

Jo Holloway is a genetics advisor specialising in technology that assists dairy producers with their breeding and genetic improvement programs. He is heavily involved in genomic testing and developing dairy beef supply chains. Jo graduated with a Bachelor of Agricultural Science degree from Charles Sturt University, majoring in animal reproduction and livestock production, before returning to work on his family's 500-cow dairy farm in south-west Victoria and later, a cattle station in central Australia. He joined global artificial breeding company, Semex, as an Area Manager in 2012. A qualified associate judge with Holstein Australia, Jo and his wife breed and show Holstein cattle. In addition, he is actively involved with his local community in northern Victoria and serves on the boards of several sporting and financial organisations.

Lallemand Animal Nutrition Technical Support Manager – Ruminants, Nico Vreeberg DVM

Nico Vreeburg DVM is an international expert in dairy cow behaviour, barn design, barn ventilation, process efficiency and the use of microbial solutions to optimise rumen health, feed efficiency and animal welfare. He is a staunch advocate for rethinking conventional barn design to better accommodate natural air flow to reduce heat stress and enhance cow comfort. Nico joined Lallemand Animal Nutrition in 2021 as a Technical Services Manager after working in veterinary practice for 15 years and 20 years with Cows Signals, an independent organisation that provides training programs about cow health, welfare and sustainability in more than 30 countries.

Lallemand Animal Nutrition Technical Manager – Ruminants, Matt Bekker

Matt Bekker has more than 30 years' experience in extensive and intensive livestock production, including as a sharemilker in a 600-cow dairy; manager of a 20,000-head feedlot; and as the Asia Pacific technical services director with a leading premix manufacturer. Joining Lallemand Animal Nutrition in 2023, Matt provides technical support for the company's growing portfolio of yeast and bacterial probiotics used in ruminant animals. Matt has a Master in Agriculture degree from the University of New England and is the author of several peer-reviewed scientific papers.

Lallemand Animal Nutrition Technical Services Manager, Micheal Savli

Micheal Savli joined Lallemand Animal Nutrition in 2024 after spending four years working with a Riverina-based feed supplement manufacturer. During this time, he provided sales and technical support to the company's customers, staff and channel partners before being appointed technical manager and nutritionist. Michael holds a Bachelor of Rural Science degree from University of New England and is a member of the Australian Association of Ruminant Nutrition. He has also completed several industry training programs, including NSW Department of Primary Industries ProGraze, Dairy Australia Advanced Nutrition in Action and Feedworks Intensive Nutrition.



MEETING THE GENETICS OF A MODERN DAIRY COW SEMINAR



Monday, 19th May 2025
8:45AM–5:00PM



All Seasons Resort Hotel Bendigo
171/183 McIvor Highway, Strathdale

Join us for an insightful event exploring how we can harness cutting edge dairy genetics. We look at how best to feed these advanced animals for optimum performance. We will learn how to recognise fundamental cow comfort through cow signals and investigate our dairy cow from the inside out reviewing physiology throughout parturition and lactation.

Our Speakers



Bill Woodley
Woodley Dairy
Direction



Jo Holloway
Semex National Key
Accounts & Solutions Manager



Nico Vreeberg, DVM
Lallemand Technical
Support Manager



Matt Bekker
Lallemand Technical
Manager Ruminant



Micheal Savli
Lallemand Technical
Support Manager



To book your spot scan
the QR code & register.



LALLEMAND ANIMAL NUTRITION

Using silage for backgrounding beef cattle

The provision of quality silage and optimising cattle rumen function can maximise livestock performance during the background phase.

Toowoomba-based technical services manager, Jordan Minniecon, says backgrounding is a proven method of transitioning grassfed cattle to a high energy ration.

"Young cattle are typically introduced to grain, hay and straw in preparation for the finishing," he says.

"However, silage is often favoured as a part of a background ration.

"As with any feeding program, the provision of quality fodder will pay dividends in terms of livestock health and performance.

"Producing and feeding silage is a significant but rewarding task – there is little room for skimping.

"The most important objective is to reduce exposure to oxygen, which is the enemy of silage in all aspects of silage making and feeding.

"Oxygen can slow down the ensiling fermentation and allow spoilage organisms to grow.

"This can result in lost dry matter and nutrients and significantly impact livestock health and performance."

Strain-specific inoculants, which contain *L. buchenri* 40788 and the newly-discovered and patented *L.hilgardii* CNCM I-4785, can ensure a fast, efficient fermentation and aerobic stability throughout storage and feeding out, minimising dry matter loss and spoilage.

Most grain silages become more digestible as storage time increases.

Long-term storage gives the ensiling process time to break down proteins in the kernel that form a matrix with starch.

"If possible, keep forages ensiled for a minimum of five months to allow the natural

ensiling process to improve starch digestibility," Jordan says.

"Spoiled silage can sometimes be noticed on the top and sides of the bunker after opening.

"It is best to use Silostop oxygen barrier film to avoid any risk of air entry and spoiled silage right from the start.

"It is important to avoid the temptation to feed this spoiled silage.

"The ingestion of even small amounts of spoiled silage can disrupt normal rumen function and can lead to reduced feed intake, digestibility and decreased production."

Jordan also recommends that background cattle are supplied a microbial feed additive to optimise rumen function as energy intake increases.

"An efficient rumen is the foundation for healthy, productive cattle," he says.

"The rumen microbial population digests and ferments 70 to 80 percent of the animal's feed.

"Without these microbes, cattle cannot digest fibrous feeds, especially forages.

"Helping stabilise the rumen environment can lead to more consistent and efficient production benefits.

"Probiotics are one way producers can achieve these results."

LEVUCCELL SC is the only strain-specific dry yeast that has an FDA-approved functionality claim for maintaining cellulolytic bacteria population in the rumen of animals fed greater than 50 percent concentrate.

"Put simply, this means specific probiotics in starter and growing diets can help the rumen mature and optimise the organ's function," Jordan says.

"In some cases, producers have been able to use lower-quality forage and achieve improved performance by making nutrients more available to the animal.

"This is particularly important for producers grazing cattle on late-season forages, which

can have fewer nutrients."

"Think of it as getting more km's from the same tank of fuel!"

Six tips for improving silage quality

1. Prepare machinery and storage facilities. Machinery should be serviced before harvest to avoid delays and bottlenecks. Ptis and pads should be cleaned and repaired if needed.
2. Harvest at the right maturity and moisture level. Harvesting at the best stage of maturity and achieving proper dry matter content for the specific forage helps maximise nutrients and/or DM preservation and feed intake by the animal.
3. Check chop length. Chop length affects ensiling characteristics and feed quality. A short chop facilitates packing, minimising air infiltration. A longer chop length increases effective fibre in the diet, however care is needed not to compromise packing and fermentation. Typically DM dictates the length of chop.
4. Use scientifically-proven inoculants to drive efficient fermentation and aerobic stability. Inoculants that feature *L.buchenri* 40788 and *L.hilgardii* CNCM I-4785 can ensure a fast, efficient fermentation and aerobic stability throughout storage and feeding out, minimising dry matter loss and spoilage.
5. Pack well. Achieving target packing densities is vital and requires adequate packing weight, time and technique.
6. Seal fast. Fully covering and sealing will help ensure a good fermentation, minimise nutrient and dry matter losses, maximise feed quality and increase production from the forage base.

Silostop oxygen barrier film has been available for more than 15 years and is now regarded as the industry standard for stopping oxygen entry into silage.



Heavier cows, heavier calves

A large-scale US trial has demonstrated that feeding a live yeast probiotic to grassfed beef cattle before calving can not only improve their body condition but add an impressive 10 kg in weight to their calves at weaning.

The 187-day trial evaluated the impact of feeding LEVUCCELL SC from late lactation through to weaning upon the Body Condition Score (BCS) of grassfed beef cattle and the growth rates of their calves.

A total of 436 Red Angus cows (av. 6.5 years) were assessed for BCS, divided into two groups (treatment and control) and were grazed on native pastures (similar grazing conditions found in parts of Australia).

Both groups had access to a dry, loose mineral supplement from 30 days pre-calving and then a further five months post calving.

The targeted mineral intake was 100-120 g/head/day for both treatments, with consumption monitored daily and feeders re-filled every two to three days.

Cows in the treatment group received LEVUCCELL SC 10 ME, a natural, strain-specific live yeast (*Saccharomyces cerevisiae* CNCM I-1077) presented in a micro-encapsulated formulation.

Its beneficial effects upon rumen function, fibre digestibility and feed intake have been documented in more than 60 scientific papers published throughout the world.

Product viability testing was also conducted monthly to ensure the yeast delivered its specified 8×10^9 colony-forming units/head/day.

25% of the resultant calves in each treatment group were weighed at birth, with the averages used as the proxy birth weight for the remaining calves in each group.

Cow BCS and calf bodyweight were recorded at weaning.

In this trial, treated cows had a significantly higher average BCS at weaning than the control group (5.34 vs 4.84, $P < 0.01$). (Figure 1)

Importantly, the treatment group had a higher proportion of BCS 6 cows (38.8% vs 15.4%) and a lower proportion of BCS 4 cows (8.7% vs 25.3%) than untreated cows.

More than 90% of treated cows had a BCS of 5 or above, compared to 72.2% for control cows.

While there was no significant difference in birth weight between calves from treated and control cows, calves from cows receiving LEVUCCELL SC recorded significantly higher growth rates than calves from control cows (1.17 kg/head/day vs 1.09 kg/head/day, $P < 0.01$).

This translated into a significant liveweight advantage at weaning (217 kg versus 206 kg, $P < 0.01$).

Lallemand Animal Nutrition Technical Services Manager, Nathan Lister, says this trial demonstrates the value of including a scientifically-proven probiotic in supplementing breeder herds whilst grazing pastures, especially as we head into cooler months with frosted lower nutritional grasses becoming a higher percentage of their diet.

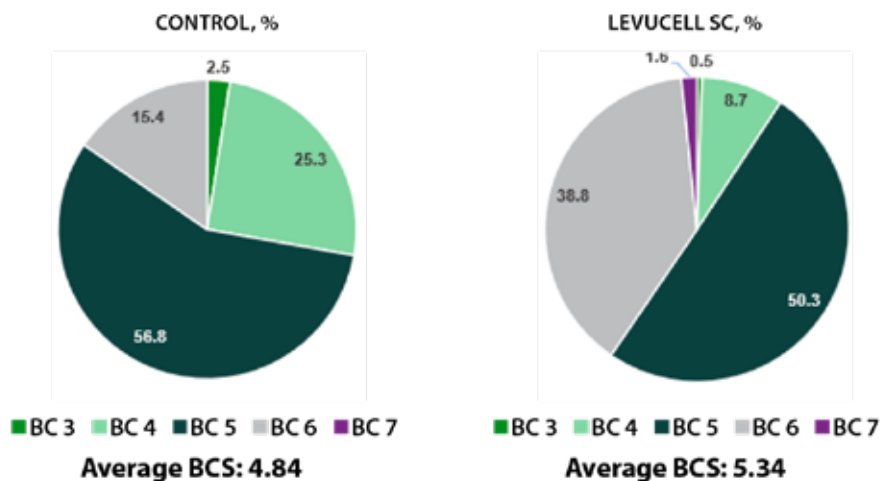
"It helps create a more favourable rumen environment to enhance the breakdown of fibre, allowing the animal to absorb more energy from every mouthful.

"That means more milk; heavier calves that are going to power through weaning; and heavier cows that are ready for re-joining."

Reference: Adams, et al., 2024. Lallemand data on file.

Cow BCS at Weaning – All Cows

Feeding cows LEVUCCELL SC 10 ME increased body condition score at weaning.



Levucell 

Lallemand Animal Nutrition's GM shares his insights into global feed trends



Mathieu Castex, general manager of Lallemand Animal Nutrition, shares insights into global feed trends, sustainability, and innovation. Mathieu discusses how Lallemand leverages research-driven microbial solutions to meet evolving industry demands while prioritising sustainability and animal welfare.

How do you assess the current global trends in feed production, and how does Lallemand adapt to them?

In today's rapidly evolving landscape of animal nutrition, we're seeing significant shifts in feed production trends. The feed production landscape is increasingly influenced by sustainability, the demand for high-quality nutrition, and advancements in microbiology. As global demand for protein grows, there's a shift toward efficient, eco-friendly, and functional feed products that enhance animal welfare and minimise environmental impact.

At Lallemand Animal Nutrition, we align with these trends by focusing on microbial solutions that are backed by research. We have expanded our R&D capabilities to develop innovative products that are sustainable and tailored to the specific needs of different livestock species. Our close customer relationships allow us to adapt quickly to emerging challenges and provide solutions that meet evolving market demands. We're particularly focused on bridging the gap between nutrition and microbiology, which we see as a crucial development in the feed industry.

It's not just about communication—it's about taking concrete actions.

How do you envision the future of animal nutrition?

The future of animal nutrition lies at the

intersection of innovation and sustainability. We're investing heavily in understanding microorganisms' behaviour in specific environments, such as studying their characteristics within animal digestive systems. As an example, we're exploring previously uncharted territories, like the ability of microorganisms to form biofilms. Lallemand would like to position ourselves at the forefront of this evolution, notably by developing new methodologies that minimise invasive practices on animals while increasing throughput. Our goal is to bring new concepts to the industry while expanding beyond traditional boundaries.

Can you elaborate more on how the company is incorporating sustainable practices in its operations and products?

As all players in our industry, sustainability is absolutely a focus area for Lallemand Animal Nutrition moving forward. We recognise the urgent need to minimise the environmental impact of animal agriculture. As a trusted industry partner, we're committed to doing things right by offering our customers reliable, research-backed data they can count on. For us, it's not just about communication—it's about taking concrete actions, tracking progress, and using the right tools to minimise our products' environmental footprint and enhance the sustainability of our operations.

Sustainability is no longer a mere option; it is a business imperative, integrated into our long-term strategy and vision.

The company recently announced the decision to make substantial investments in one of the selenized yeast plants, what is the reason for that?

This investment supports our commitment to sustainability by boosting operational



efficiency, while also allowing us to expand selenized yeast production in Europe to meet rising demand. Selenized yeast is highly regarded for its bioavailability and health benefits across livestock, companion animals and aquatic species, providing an essential nutrient that bolsters animal immune function and overall well-being. Recent discussions at the EU level about potentially reducing authorised levels for organic selenium sources have raised industry concerns. Selenium is vital in modern feed formulations and functional supplements, playing a key role in animal health and performance.

Getting teams to rally around the “why” behind their work, rather than just the “how”, has been critical.

What challenges have you faced as the R&D Director and how do you carry these lessons forward as you recently stepped into the new role of general manager?

Over the years, I've learned that a well-organised team and a strong structure are essential. Success comes from placing the right people in the right roles to unlock the team's full potential. This means recognising individual strengths, aligning them with

suitable roles, and fostering a collaborative environment where everyone can thrive. Effective team organisation enhances productivity, drives innovation and paves the way to achieving our goals. Another interesting challenge has been fostering a culture of innovation while maintaining focus and alignment across our global organisation. In a fast-evolving industry, navigating these changes requires a culture that values experimentation and learning.

In my role, I have really emphasised collaboration and connecting people across functions who are driven by a common purpose. Getting teams to rally around the “why” behind their work, rather than just the “how”, has been critical. I've also worked to create an environment where experimentation is encouraged and people have the psychological safety to put bold ideas forward. You can't be afraid to fail, as long as you are learning in the process. Balancing this innovative spirit with the day-to-day realities of running the business is always a challenge, but I believe we are striking the right balance.

What is your future vision for Lallemand Animal Nutrition?

I envision Lallemand Animal Nutrition

as a trusted supplier of comprehensive microbial-based technologies. This means expanding our technology base while keeping our focus on microbial based solutions. We will continue to be a science-driven, field-supported company, committed to delivering high-quality products and exceptional services.

Our vision for the future is built on 3 key pillars:

- First, maintaining a strong focus on technology and know-how development.
- Second, deepening our customer-focused approach by expanding our capabilities and applications.
- And finally, extending our reach beyond current markets and applications.

We're particularly excited about our new Centre of Excellence near Paris, France and our expanding research capabilities. We're also investing in companion animal nutrition, with a new branding strategy. The goal is to continue transforming scientific discoveries in microbiology into practical solutions while nurturing talent and fostering innovation across the organisation.

Want to take control of your silage quality?

www.MAGNIVA.com



Maximising silage quality and sustainability with Silostop Max silage film

In the agricultural sector, preserving forage is crucial for ensuring livestock feed quantity and quality in a range of different situations. Silage production, a method of preserving fresh forage under anaerobic conditions, is a staple in the diets of ruminant animals. However, traditional silage covering solutions often fall short in providing both effective oxygen barrier properties, longer term objectives and environmental sustainability. Enter Silostop Max silage film, a revolutionary product designed to address these challenges head-on.

Silage production involves the fermentation of green fodder in conditions that limit oxygen, thereby preserving the feed. The quality of silage is paramount, as it directly impacts the nutritional value and overall health of the livestock. One significant challenge in silage production is the infiltration of oxygen into the silo, which can lead to spoilage and nutrient loss. This is where Silostop Max silage film comes into play.

Silostop Max is not your average silage cover. It is an 80-micron, 11-layer film specifically engineered to block the entry of oxygen into silage. This advanced oxygen barrier film is celebrated for its ability to significantly reduce Dry Matter (DM) losses in the upper layer of the silage, effectively eliminating waste on the surface and shoulders of the silo. Moreover, it enhances aerobic stability at feedout, ensuring that the silage remains in optimal condition for longer periods.

What sets Silostop Max apart is its exceptional durability and flexibility. The film can be stretched to over 200% before tearing and boasts high puncture resistance, making it ideal for daily use in the demanding environment of silage production. Its flexibility ensures that it lies flush on the silage surface, effectively eliminating air pockets that could compromise silage quality.

In today's world, where environmental concerns are at the forefront, Silostop Max shines with its commitment to sustainability. The film is fully recyclable and made using up to 25% recycled material,

addressing the agricultural sector's need for sustainable practices. When combined with SilageKeeper covers, the overall plastic usage in silage production is significantly reduced, marking a step forward in eco-friendly farming practices.

Understanding the diverse needs of farmers, Silostop Max is available in a variety of sizes to fit most pits and stacks. This versatility ensures that farms of any size can benefit from the superior protection and sustainability offered by Silostop Max.

Silostop Max silage film represents a significant advancement in silage preservation technology. By offering unparalleled oxygen barrier properties, durability, and a commitment to sustainability, it addresses the critical challenges faced in silage production. For farmers looking to improve the quality of their silage while reducing their environmental footprint, Silostop Max is a solution that stands out in the market. As the agricultural sector continues to evolve, products like Silostop Max play a crucial role in ensuring the sustainability and efficiency of farming practices worldwide.

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