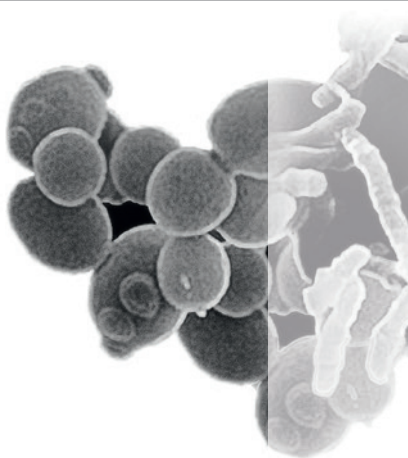


# LALLEMAND ANIMAL NUTRITION



**SPECIFIC  
FOR YOUR  
SUCCESS**



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FOR YOUR  
SUCCESS**

**LALLEMAND ANIMAL NUTRITION**

## **A GLOBAL LEADER IN MICROBIAL FERMENTATION USING YEAST AND BACTERIA IN ANIMAL NUTRITION**

### **Why is Lallemand Animal Nutrition “Specific for your Success”?**

Using sound science, proven results and knowledge, Lallemand develops, produces and markets **high value yeast and bacteria products** —including probiotics, forage inoculants, and yeast derivatives including probiotics, forage inoculants and yeast/bacteria derivatives. These innovative solutions benefit animal nutrition and well-being, forage management and animal environment.

Lallemand offers a higher level of expertise, leadership and industry commitment with long-term and profitable solutions to move our partners *Forward*.

**Committed to optimizing  
animal performance and well-being  
with specific, natural microbial products  
and service solutions**





LALLEMAND ANIMAL NUTRITION

# GROWING AS A COMPANY AND INDUSTRY LEADER

Lallemand Animal Nutrition is a primary producer and major supplier of silage inoculants, probiotics and yeast/bacteria derivatives across all continents.

Lallemand has yeast and bacteria production facilities, multiple research partnerships, offices and distribution centers around the world to serve a growing number of countries every day.



**WORLDWIDE  
BUSINESS COVERAGE**



**MORE THAN 30 YEAST  
AND BACTERIA PLANTS**



**OFFICES AROUND  
THE WORLD**



**LONG-TERM PARTNERSHIPS  
WITH LEADING  
RESEARCH CENTERS**

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## THE RIGHT MICROBIAL STRAINS FOR THE RIGHT APPLICATIONS

Lallemand Animal Nutrition is a primary producer that researches, develops and markets microbial strains that are scientifically selected and proven to enhance feed quality, nutritional performance and benefit animal welfare.

### YEAST AND BACTERIA PROBIOTICS



Probiotics are strain-specific, beneficial live yeast or bacteria organisms that positively influence the animal's digestive function and health. Including probiotics in the diet can help optimize rumen or overall gut function, enhance digestibility, help protect against harmful microorganisms, support immunity and reinforce natural defenses.

**Levucell SC**  
Rumen Specific Yeast

**Levucell SB**  
Live yeast for monogastrics

**BACTOCELL**  
LACTIC ACID BACTERIA FOR MONOGASTRICS

**ProTernative**

**MICRO-CELL**

### YEAST DERIVATIVES



Yeast derivatives products include whole dead yeast (inactive, hydrolyzed, or autolyzed yeast), several types of yeast fractions (yeast cell wall and yeast extract) and even a combination of all three.

While the main purpose of using yeast cell walls is to bind undesirable bacteria in the gut and help improve the microflora balance, some specific yeast fractions can be used alone or in combination for their nutritional and functional contribution, or for their ability to help reinforce the animal immune system and help optimize digestive functions.

**yang**  
Yeast Glucosaccharose Resin Generation

**Agrimos**  
The Natural Source of Glucosaccharose enriched yeast fraction

**Laltide**  
Source of available Nucleotides

**Fibosel**  
β-glucans

### ANTIOXIDATIVE SOLUTIONS



Optimal antioxidant supplementation relies on the combination of primary and secondary antioxidants.

■ Premium selenium-enriched yeasts are used for their highly bioavailable, organic selenium that helps balance antioxidant status and support vital functions.

■ SOD is a key molecule that stimulates endogenous antioxidant defenses and help to reinforce the immune system.

Lallemand Animal Nutrition offers these two complementary antioxidant solutions, available for all animal species.

**alkosel**  
The Premium Source of Bioavailable Selenium

**melofeed**  
NATURAL SOURCE OF SUPEROXIDE DISMUTASE

### NUTRITION & WELL-BEING

- Yeast and bacteria probiotics
- Yeast derivatives
- Antioxidative solutions

### FEED MANAGEMENT

- Forage preservation
- Mycotoxins solutions

### ANIMAL ENVIRONMENT

- Manure/slurry management
- Positive biofilms
- Bioremediation
- Competitive exclusion



### SILAGE INOCULANTS & MYCOTOXINS SOLUTIONS

Forage crops harvested for silage contain a natural population of "good" microorganisms that ensile the crop, and "bad" microorganisms such as yeasts, molds and spoilage bacteria that can cause poor fermentation, excessive dry matter losses, energy and nutrient losses and may also produce toxins harmful to animal health, fertility and performance.

Lallemand Animal Nutrition offers a premium range of challenge-specific forage inoculants, that help you take control of your silage quality and improve on-farm profitability.

#### MAGNIVA

The contamination of a large number of raw materials and finished animal feed with mycotoxins produced from molds is a global problem. In addition to different pre- and post-harvesting mycotoxin control strategies, specific dietary solutions may help to balance the negative impact of mycotoxins on animal health and performance

**MycoGuard**  
Broad spectrum toxin defense



### ANIMAL ENVIRONMENT

In livestock and aquaculture, animal welfare and balanced health are also dependent on the external environment. Conditions including bedding/litter, pond water and organic waste microbial management can impact animal performances and behaviors.

Lallemand Animal Nutrition has designed specific products to better manage the animal environment.

**Manure PRO**

**Lalfilm PRO**

**LALSEA**

**AVIGUARD**  
Unique natural microflora for avian species

**titan**



### SPECIFIC TECHNOLOGIES

- TITAN: is a unique patented coating technology to protect live yeast for pelleting.
- HIGH CONCENTRATION TECHNOLOGY: A specific silage inoculant formulation adapted to ultra low-volume applicators for improved homogeneity of the bacteria in the solution and avoids sedimentation, providing optimal efficacy and ease of application for the producer.

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**LALLEMAND**

**F>RWARD**

## **SPECIFICALLY CHOSEN SERVICE SOLUTIONS THAT ENHANCE PEOPLE, KNOWLEDGE AND PRODUCTION PRACTICES**



To support the application and efficacy of its products in the field, Lallemand Animal Nutrition offers **tailored technical support** and focuses on **education** to help turn science into best practices.

**Lallemand Forward** is a range of industry and on-farm services tailored to the needs of our partners and customers.

### **Lallemand Forward programs include:**

**> Scientific transfer supported by research and development, through our centers of excellence**

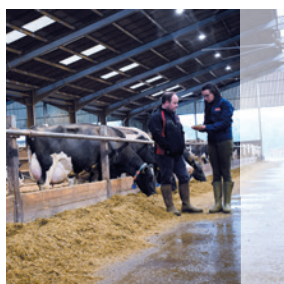


**> Continuous education, through:**

- Technical resources, such as handbooks, technical guides, and technical bulletins
- Educational websites, such as **QualitySilage.com** and **RuminantDigestiveSystem.com**
- E-learning
- Technical exchanges and seminars
- Dedicated professional development courses such as 'Fostering and Improving Dairy Production Efficiency'

**> Continuous improvement through**

- On-farm services and audit programs
- An international pilot farm network **investing in the next generation** through scholarships, internships, and grants.



**We're committed to delivering specific solutions  
and services to help drive you *Forward***

## COOPERATION SPELLS SUCCESS

Your success is our success!

At Lallemand Animal Nutrition, every day we strive to:

- Build strong relationships with our distribution network partners;
- Lead with a global vision and local action;
- Invest to improve quality, productivity, and producer profitability,
- Enact a field-led and science-supported educational strategy and transfer of knowledge.

A global vision to be a leader  
in microbial solutions  
for the world's producers



## LALLEMAND: A PASSION FOR FERMENTATION

Lallemand is a privately owned, Canadian company that develops, produces and markets specific yeast, bacteria and derivatives of microorganisms for applications in:



ANIMAL  
NUTRITION



SPECIALITY  
CULTURES



BREWING / DISTILLED  
SPIRITS



FOOD  
INGREDIENTS



HEALTH  
SOLUTIONS



OENOLOGY



BAKING



BIOFUELS



PHARMA



PLANT CARE



COSMETOLOGY

More information is available at [www.lallemand.com](http://www.lallemand.com)

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