

Fresh Probiotic Range

AgriBio offers a range of proprietary strains of bacterial and yeast-based probiotics commonly used in agriculture and across different livestock species and age groups.

What are probiotics?

Probiotics are cultures of live good microorganisms which, after ingestion, can lead to health benefits and other positive outcomes for the animal or human consuming them.

Which health benefits will depend very much on the type and strain of probiotic microorganism that is being administered.

But current applications are predominantly to help prevent undesirable or pathogenic microorganisms from getting established in the gut of animals and to help boost the host's immune system. It should also be noted that probiotics may consist out of a mix of different microorganism types and/or strains.

Probiotics are also widely used to improve health and production in other farm production systems with cows and small ruminants, such as sheep and goats and in both young and mature animals.

Do probiotics have to be alive?

Yes, in order to perform their beneficial roles, probiotic microorganisms have to be alive when ingested by the host.

However, it is not always possible to add fresh liquid cultures to food, especially to powdered human nutritional foods or dried animal supplements.

Therefore, probiotics can be handled as a freeze-dried powder. The process of freezing down probiotic cultures has to be done very carefully and in a controlled fashion. Still, a large number will not survive the freeze-drying or rehydration process. In order to account for this, the number of probiotic microorganisms administered in freeze-dried form needs to be substantially increased compared to that in fresh liquid cultures.



When to use probiotics?

Where an animal experiences any form of stress, this will impact on the viability of its microorganism population in the gut or rumen and a probiotic consisting of the right microorganism or cocktail of microorganisms may lead to beneficial outcomes, in terms of animal health and performance.

Benefits of probiotics in farm animals

Beneficial effects of probiotics have been observed in all livestock species, from poultry to swine, to cows, sheep and goats, and in both young and adult animals.

The benefits of probiotics are improved animal health and performance. More specifically the following beneficial attributes have been linked to the use of probiotics in farm animals.

- ✓ Greater resistance to infectious diseases (better immune status)
- ✓ Increased daily growth rates
- ✓ Improved feed conversion
- ✓ Improved digestion
- ✓ Help to maintain an optimal rumen pH
- ✓ Better absorption of nutrients
- ✓ Provision of essential nutrients
- ✓ Improved milk yield and quality
- ✓ Increased egg production and quality
- ✓ Improved carcass quality
- ✓ Help provide protection against mycotoxins

AgriBio-LY

Saccaromyces cerevisiae and *Lactobacillus* sp.

AgriBio-BA

Bacillus amyloliquefaciens

AgriBio-BS

Bacillus subtilis

AgriBio-LAB

Lactobacillus sp.

AgriBio-SC

Saccaromyces cerevisiae

For more information contact AgriBio on **0800 246 349**
or visit www.agribio.co.nz

