

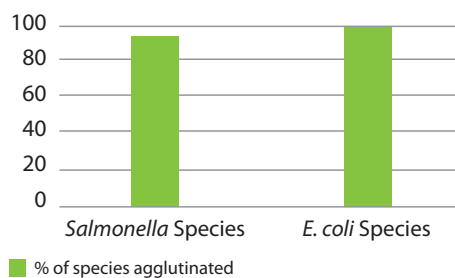


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PROVERDE-MAX FACTS

- MOS for effective pathogen binding in the GI tract to reduce intestinal challenges.
- Beta glucan to support robust immune response.
- Readily available nucleotides to support rapidly growing tissues.
- Multiple species of *Bacillus* for improved nutrient digestion and pathogen inhibition.

Figure 1. Binding Effectiveness Against Pathogens



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► Product Description:

Proverde-Max is an all-natural blend of hydrolyzed yeast and highly concentrated yeast cell wall. The unique blend of complex carbohydrates, nucleotides and peptides reduces enteric pathogen challenges, improves digestive efficiency, supports the immune system and lowers gut inflammation. Proverde-Max incorporates multiple species of *Bacillus* to enhance gut health and stimulate development of a healthy microbiota. As an endospore-forming bacteria, *Bacillus* is very resilient in many different feed applications.

► Modes of Action:

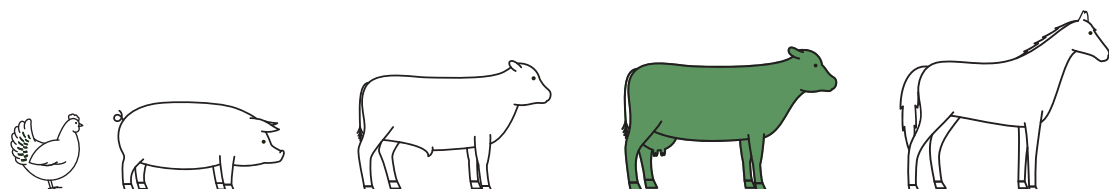
MOS – The mannan oligosaccharides in Proverde-Max provide effective pathogen binding in the GI tract. Tested against dozens of *E. coli* and *Salmonella* strains, it is proven to bind 95% to 100% of the different strains evaluated (Figure 1). In the animal, this prevents the pathogens from attaching to the gut lining and establishing an infection.

Beta Glucan – Beta glucan is highly effective at modulating both the

innate and adaptive branches of the immune system. This primes the innate immune system to respond to pathogen challenges, while also supporting longer-term antibody responses from the adaptive immune system.

Nucleotides – Nucleotides are the building blocks of DNA in rapidly proliferating tissues, like the intestines in young animals. A rich source of free nucleotides reduces the constraints and allows these tissues to grow unimpeded.

Bacillus – Multiple species of *Bacillus* developed to mitigate the risk of Clostridia species as well as *E. coli* and *Salmonella* in livestock. It is also proven to be a strong producer of bacterial amylase, protease and lipase to improve nutrient availability and animal health during stressful situations. By combining ingredients which address several challenges to gut health at once, Proverde-Max provides broad-based protection from bacterial pathogens while improving nutrient availability, in a highly concentrated form.



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PROVERDE-MAX



► **Product Description:**

Proverde-Max is an all-natural, highly concentrated proprietary formulation of refined bioactive carbohydrates and multiple species of *Bacillus*. Together, these components mitigate the most prevalent gut challenges presented by bacterial pathogens, while supporting nutrient availability and robust immune responsiveness.

► **Ingredient Composition:** Hydrolyzed yeast, yeast extract, dried fermentation products of *Bacillus amyloliquefaciens*, *Bacillus subtilis*, *Bacillus licheniformis*, and *Bacillus pumilus*, and mineral oil.

► **Purpose:** Proverde-Max is to be used to supplement complete diets for all stages of ruminant production.

► **Feeding Directions:**

To be included in complete diets as indicated below, or as recommended by a qualified nutritionist.

Mix the following amounts of Proverde-Max per animal per day to finished feed:

Lactating Dairy Cattle	3-5 grams/head/day
Transitioning Dairy Cattle	5-7 grams/head/day
Calves	1-3 grams/head/day

Guaranteed Analysis:

Crude protein	Minimum	30.0%
Crude fat	Minimum	0.5%
Crude fiber	Maximum	2.0%
Moisture	Maximum	10.0%
Ash	Maximum	6.0%

See how Proverde-Max can impact the overall health and productivity of your animals while supporting your organic production.

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