

RSG

Prime

LIVESTOCK PROBIOTICS



Naturally occurring live microbes

Non-pathogenic

Improves digestive efficiency

Competitive exclusion

Simple and easy to use liquid product with diverse use capabilities

Good preventative measure for animal health + immunity

ACTIVE INGREDIENTS

LIQUID FERMENTATION PRODUCTS OF:

Bacillus licheniformis

Bacillus subtilis

Bacillus pumilus

Lactobacillus acidophilus

Minimum 10 million CFU/ml



THE SCIENCE BEHIND



HOW ARE PROBIOTICS & PREBIOTIC PRODUCTS DEFINED?

PROBIOTIC:

"A **live** microbial feed supplement which beneficially affects the host animal by improving its intestinal microbial balance".

PREBIOTIC:

"Compounds that promote the growth of gut bacteria (such as yeast cultures and oligosaccharides) but are **not living** organisms".

DIRECT-FED MICROBIAL:

"A source of **live**, naturally occurring microorganisms" These can be yeast, fungi, and/or bacteria.

MICROBIAL SPECIES	MODE OF ACTION
<i>Anthrobacter globiformis</i>	Biodegrades diverse types of pollutants.
<i>Bacillus species</i>	Secretes metabolites that prevent pathogen infection.
<i>Pseudomonas species</i>	Produces metabolites that act as antibiotics; competes aggressively with other microorganisms.
<i>Streptomyces griseoflavus</i>	Actively produces antibiotics; excellent agents for controlling various fungal & bacterial pathogens.
<i>Enterococcus faecalis</i>	Produces antimicrobial compounds; acts as probiotic to prevent diarrhea & improve animal health.
<i>Lactobacillus acidophilus</i>	Controlled studies have shown use as a probiotic can increase dry matter intake, daily feed conversion efficiency, digestibility of nutrients, growth rate improvement, immune system support, and antioxidant quality.