



### Functionality

A concentrate of selected viable lactic and propionic acid producing organisms together with enzymes. When used as directed will enhance the fermentation of, and preservation of, nutrients in silages, haylages, and high moisture corn or cereal grains.

### Guaranteed Analysis

Total Lactic Acid Producing Microorganisms

- Liquid applied products: 49.9 billion CFU/ g
- Dry applied: 50tt - 99.9 billion CFU/ lb  
100tt - 200 billion CFU/ lb  
200tt - 400 billion CFU/ lb

All deliver 110,000 CFU/ g forage when applied as directed.

\* Colony Forming Units

### Minimum Enzyme Analysis

(levels shown are for liquid applied products)

Beta-glucanase	1,260 mg glucose liberated/min/g
Alpha-amylase	630 mg glucose liberated/min/g
Xylanase	684 mg glucose liberated/min/g
Galactomannanase	115 mg glucose liberated/min/g

### Ingredients

Sucrose, dehydrated *Pediococcus pentosaceus* NCIMB 12455, *Lactobacillus plantarum* NCIMB 12422 and *Propionibacterium freudenreichii* R2453 cultures, dehydrated *Trichoderma reesei* and *Aspergillus oryzae* fermentation products, sodium aluminosilicate, silicon dioxide and artificial color.

### Directions For Use

For high moisture corn, grass, legume and corn silage, mix entire package with 12.5 gallons (50 tt pouch) or 50 gallons (200 tt pouch) of clean, cold or cool water. Apply solution at the rate of one quart per ton of forage using a suitable, clean, calibrated liquid spray applicator.

Rehydrated product is stable for up to 4 days kept cool and out of direct sunlight.

May also be applied using a suitable low volume applicator (e.g. Dohrect DE 1000). Mix entire contents of package with 2 quarts (50 tt pouch) or one gallon (200 tt pouch) of water and apply at 1.28 oz/ ton of silage.

*NB: The product contains some important stabilization ingredients that are insoluble, finely dispersed powders (1-3% by weight). This may result in a small residue of fine white powder in the bottom of the applicator.*

Product is also available in dry-applied granular formats, which can be applied using any suitable, calibrated granular product applicator.

### Storage and Handling

Store unopened packets in a cool dry place. Refrigeration at or below 40°F recommended. Shelf life 18 months when stored as recommended. Use whole packages at one time.

### Interactions

Acids, salts, or chlorine should not be added since they could reduce the number of viable bacteria in the product. Water chlorinated to normal potable levels (1 ppm) is safe to use. If chlorine levels are higher, water should be allowed to stand overnight in the applicator tank before the inoculant is added.

### Packaging

Liquid application product packaged in 100 and 400 gram barrier foil laminate pouches to treat 50 and 200 tons of forage, respectively.

Granular application product packaged in 50 pound multi-wall barrier foil laminate bags to treat 50, 100, and 200 tons.

Manufactured and sold under U.S. Patent #: 5,432,074.

Buyer assumes all responsibilities for use, storage and handling of the product upon receipt. LANNA accepts no responsibility for conditions and uses by buyer which are beyond the control of LANNA. The foregoing warranty is in lieu of all other warranties and conditions, expressed or implied. LANNA's entire obligation under the limited warranty shall not exceed the total amount paid for the product.