

# Silamace™ Plus

## Maximize silage palatability and value with Silamace™ Plus silage treatment

### Silamace™ Plus Benefits

Silamace™ Plus boasts an optimal combination of research-proven, Lactic Acid producing bacteria and enzymes from fermentation extracts to insure the maximum benefit from your silage. Application rates of Silamace™ Plus at 1gm/ton will deliver the optimal combination of beneficial microbes and enzymes, resulting in a three-fold benefit to the silage process.

1. Silamace™ Plus inhibits harmful bacteria, molds, Clostridia, yeast and fungi.
2. Enzymes in Silamace™ Plus begin to break down cell walls, unlocking valuable nutrients and substrates for beneficial digestive micro flora.
3. Silamace™ Plus reduces the ph of silage, insuring the forage remains more palatable, digestible and retains essential nutrients.

### Silamace™ Plus Contents

Each gram of Silamace™ Plus contains 200,000 CFU's of Lactic Acid producing bacteria. In combination with the enzymes and substrates, these bacteria rapidly multiply when applied to the silage at a rate of 1 gm/ton of forage to begin to acidify the forage, thus lowering the ph. This process insures maximum retention of essential nutrients, while also increasing the palatability and feed value of the ensiled forage.

Silamace™ Plus also contains the enzyme Cellulase, which converts cellulose and starch from the fiber component of the grass into simple sugars. Lactic Acid bacteria can then readily utilize these simple sugars to produce more Lactic Acid. Additionally, the selective conversion of fiber has a positive effect on the digestibility of the silage.

### Silamace™ Plus Research

In extensive research studies, dairy cows fed silage treated with Silamace™ Plus microbes increased their forage intake and milk production by 7%, on average. Studies have also shown that treatment of silage with products like Silamace™ Plus reduce dry matter losses of nutrients during the ensiling process by 8%. This means Silamace™ Plus can allow dairy producers to save up to 148 lb of dry matter silage per ton each year.

In feedlot studies, cattle fed corn, alfalfa, wheat or Triticale silage inoculated at harvest with the bacteria and enzymes in Silamace™ Plus exhibited increased intake (4% to 7%), increased average daily gain (7% to 11%) and improved feed efficiency (6% to 9%) compared to feedlot cattle fed untreated silage. Additionally, Silamace™ Plus treated silage fed in the feedyard resulted in reduced acidosis and reduced incidence of diarrhea. These results can be attributed to the beneficial microbes in Silamace™ Plus inhibiting the growth of detrimental bacteria in the silage and the rumen itself.

### Silamace™ Plus Ingredients

Dried Pediococcus acidilactici Fermentation Product, Dried Lactobacillus plantarum Fermentation Product, Dried Enterococcus faecium Fermentation Product, Dried Lactococcus lactis Fermentation Product, Inulin, Dextrose, Maltodextrin, and Silicon Dioxide.



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