



Product Specifications



1900 Scott Avenue • Des Moines, Iowa, USA 50317 • tel: 515.559.5100 • www.kemin.com/ag

Kem LAC[®] brand HD 500g Water Soluble Silage Inoculant 016314-05-WW

ITEM CODE

016314-05-WW

DESCRIPTION

A concentrated source of microorganisms beneficial to silage fermentation. Contains a source of live (viable), naturally occurring microorganisms.

INGREDIENTS

Maltodextrins, Dried *Lactobacillus plantarum* Fermentation Product, Sodium Silico Aluminate, Dried *Lactobacillus acidophilus* Fermentation Product, Sodium Thiosulfate, Dried *Lactobacillus bulgaricus* Fermentation Product, and FD&C Blue No.1.

Sodium Thiosulfate makes this product safe to use with chlorinated water.

QUALITY SPECIFICATIONS

Guaranteed Analysis	
Lactic acid bacteria	Not less than 136 billion CFU*/g (61 trillion CFU/lb) lactic acid bacteria *Colony Forming Units
Parameter	
Residue	Less than 5% (20 mesh screen)

TYPICAL CHARACTERISTICS

Parameter	
Flowability	Good
Color	Off-white to light orange
Odor	Bland
Bulk Density	0.55 – 0.65 g/cm ³

INSTRUCTIONS FOR USE

For corn and sorghum silage:

- One 500-gram container of Kem LAC[®] HD will treat 500 tons (455 tonnes) of silage. Apply at a rate of 1.0 grams per ton of silage. When used as directed, treated silage will contain 150,000 colony forming units per gram (CFU/g) of silage.

For grass, alfalfa or small grain silage:

- One 500-gram container of Kem LAC[®] HD will treat 333-500 tons (300-455 tonnes) of silage. Apply at a rate of 1.0-1.5 grams per ton of silage. When used as directed, treated silage will contain 150,000-225,000 colony forming units per gram (CFU/g) of silage.



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For high moisture corn (including snaplage and earlage):

- One 500-gram container of Kem LAC[®] HD will treat 333-500 tons (300-455 tonnes) of high moisture corn. Apply at a rate of 1.0-1.5 grams per ton of silage. When used as directed, treated high moisture corn will contain 150,000-225,000 colony forming units per gram (CFU/g) of high moisture corn.

For applicator usage:

- Consult manufacturer's usage guide for individual applicator calibration.
- Once applicator is set to deliver a specific quantity per ton of silage, adjust concentration of stock solution to deliver 1-2 grams of Kem LAC[®] HD per ton of forage.

General Recommendations:

- One level capful contains 50 grams of Kem LAC[®] HD.
- Mix Kem LAC[®] HD into at least one-half tank of water while filling.
- It is helpful to pre-mix Kem LAC[®] HD with water in a separate container prior to addition to main tank.
- Mix only enough inoculant for daily application.
- Apply inoculant evenly over silage as it is harvested or ensiled.
- Use within 24 hours.

STORAGE

For optimum results, use this product by the "Best Used By" date found on the lid. Store in a cool, dry place for maximum stability. Keep container closed when not in use. Contaminated mixing or applicator containers may kill the organisms. Product color change will not affect performance.

PACKAGING

500 g container