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## Specification Sheet

# Kem LAC<sup>®</sup> brand HD Water Soluble Silage Inoculant

- DESCRIPTION:** A concentrated source of microorganisms beneficial to silage fermentation.
- INGREDIENTS:** Maltodextrin, *Lactobacillus plantarum*, *Lactobacillus acidophilus*, *Lactobacillus bulgaricus*, Sodium Silico Aluminate, Sodium Thiosulfate, and FD&C Blue No. 1.
- DIRECTIONS:** Mix one 500 gram canister of Kem LAC<sup>®</sup> HD brand water soluble silage inoculant into the appropriate amount of water for your applicator. One canister treats 500 tons (450 tonnes) of to treat silage at 150,000 cfu/g of silage or 335 tons of whole grain silage or earlage at 225,000 cfu/g. Small grain silage or high moisture grain may require a 1.5 times application rate. Ensile only at recommended moisture levels.

Crop	Ensiling Moisture
Alfalfa & other legumes	50 – 65%*
Grass	60 – 70%
Whole plant corn	60 – 65%
Whole plant sorghum	60 – 65%
Oatlage**	55 – 70%*
Small grains**	55 – 70%*
Ground shelled corn**	26 – 32%
Ground ear corn**	26 – 32%
Ground milo**	26 – 32%

\* Below 60% moisture, additional Kem LAC may be required.

\*\* Use 50% more Kem LAC mixture.

For best results, prepare mixture 2 to 3 hours before use. Apply solution evenly over silage as it is harvested or ensiled. Always add Kem LAC HD to at least one-half tank of fresh water while filling. It will be helpful to pre-mix the product into a portion of water in a separate container and shake vigorously to make sure it is completely dissolved.

- STORAGE** For best 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 *Lactobacillus* organisms.

**QUALITY SPECIFICATIONS:**

GUARANTEED ANALYSIS      136 billion cfu/g (61 trillion cfu/lb) lactic acid bacteria  
(*Lactobacillus plantarum*, *Lactobacillus acidophilus* and  
*Lactobacillus bulgaricus*.)

RESIDUE      Less than 5% (20 mesh screen)

**TYPICAL CHARACTERISTICS:**

FLOWABILITY      Good

COLOR      Off-white to light orange

ODOR      Bland

BULK DENSITY      0.55 – 0.65 g/cm<sup>3</sup>