

Silo Guard II Starts Working on Day 1...

- To cut off the oxygen supply to the silage, which stops plant respiration and mold & yeast growth

And...

- To quickly reduce the silage pH from 6+ down to ~ 4.0 by creating the anerobic environment for lactic acid to grow rapidly, allowing the fermentation process to begin sooner.

Silage Production Objectives

- Exclude oxygen from the silage mass quickly
 - Pack to high density (minimum of 45 LBS/FT³)
 - Treat with oxygen scavenger
 - Cover piles and bunkers with plastic
- Reduce pH rapidly to ~4.0
 - Level of pH depends on dry matter content and crop type (corn silage 3.8-4.2; haylage 4.0-4.4)
 - Produce mainly lactic acid (goal is 60%)

Benefits of Using Silo Guard II

More Milk Production

- Cows fed silage treated with Silo Guard produced 6.7 pounds more milk per day than cows fed untreated silage – *Volcani Research Center*.
- Cows fed Silo Guard treated hay produced 6.9 pounds more milk per day than cows fed untreated hay and 2.5 pounds more milk per day than propionic acid treated hay – *Utah State University*



Increased Dry Matter Recovery

- Silo Guard reduced dry matter loss in baled hay by 50% - *McGill University*
- Silo Guard reduced dry matter loss in Corn, Alfalfa and Sorghum silages by an average of 50% - *Kansas State University*

Reduced Heating – Cooler Feed Optimizes Intake

- Silo Guard treated bales were 22° cooler than untreated bales at days 5-8 – *McGill University*
- Silo Guard treated silage lasted twice as long in the feed bunk before heating than untreated silage – *Kansas State University*
- Silo Guard improved dry matter intake of hay by up to 15% - *Quebec Ministry of Agriculture*
- Silo Guard improved dry matter intake of silage by 6.8% compared to untreated silage



Retain More Nutrients – Provide Healthier Feed

- Field trials show more energy, sugars, starches and protein retained in silages treated with Silo Guard vs. silages treated with inoculants.
- Field trials show lower levels of mold and yeast in silages treated with Silo Guard vs. silages treated with inoculants