



BIO-XTRA I

CONTAINS ALL NON-GMO BACTERIA

SILAGE INOCULANT

A SILAGE INOCULANT COMPRISED OF WATER-SOLUBLE BACTERIA FOR ENSILING OF SILAGE CROPS.

Designed to improve the digestibility of forages by reducing dry matter and nutrient losses, resulting in more dollars preserved in the bunker, silo, or bag. These advantages assist in reducing off-farm feed costs, and improve operational profitability.

ABOUT

- BIO-XTRA I is a multi-crop inoculant that improves dry matter (DM) recovery, preserves nutrients in the bunker, and increases the amount of digestible dry matter and starch per acre.
- Enzymatic activity from the fiber- and starch-degrading enzymes improve nutrient availability and energy conversion in the rumen. Research shows that improvements in both fiber and starch digestibility positively impact milk production, average daily gains, and feed efficiency.
- It improves DM, fiber, and starch digestibility, which dramatically increases the energy content in silage and forage. This, in turn, results in improved milk production in lactating dairy cattle and weight gains in growing and finishing cattle.

HIGHLIGHTS

- XTRA Enzymes
- XTRA CFUs
 - 114 billion CFU/gram
 - Supplies 125,000 CFU/gram of forage
- Reduces DM loss by, at minimum, 6 percentage points
- Significantly increases aerobic stability at feed out
- Improves animal performance
 - More milk/ton
 - More beef/ton

*Always harvest at the proper moisture, chop length, and maturity of crop.

Notice: United Animal Health warrants that the product conforms to the description on the label. Due to conditions beyond control of manufacturer, buyer assumes all responsibility of use, storage and handling of this product. Manufacturer makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

Ingredients: Dried *Pediococcus acidilactici* Fermentation Product, Dried *Lactobacillus plantarum* Fermentation Product, Dried *Enterococcus faecium* Fermentation Product, Dried *Lactococcus lactis* Fermentation Product, Dried *Trichoderma longibrachiatum* Fermentation Extract, Dried *Bacillus subtilis* Fermentation Extract, FD&C Yellow No. 6, Silicon Dioxide, and Dextrose.

Storage: Keep refrigerated (freeze) for best shelf life and always keep cool during usage. Use within one year of manufacture date.

PACKAGE SIZES: 100-TON POUCH | 250-TON POUCH



BECK'S

BIO-XTRA II™

CONTAINS ALL NON-GMO BACTERIA

FORAGE INOCULANT

A FORAGE INOCULANT COMPRISED OF WATER SOLUBLE BACTERIA AND ENZYMES FOR ENSILING OF HAYLAGE, BALEAGE, AND OTHER GRASSES.

Specifically designed for fermentation and preservation of haylage and other forages and helps reduce dry matter loss and heating in the bunker. The greater concentration of bacteria in BIO-XTRA™ II allows for a wider harvest window under varying conditions and a more rapid and efficient fermentation.

ABOUT

- Enzymatic activity from the fiber- and starch-degrading enzymes improve nutrient availability and energy conversion during fermentation and in the rumen. Research shows that improvements in both fiber and starch digestibility positively impact milk production, average daily gains, and feed efficiency.
- Native bacteria in forages can be both beneficial and unfavorable. BIO-XTRA II serves to augment and supplement the beneficial bacteria and suppress the undesirable bacteria.
- BIO-XTRA II provides a more appropriate microbial population in the harvested forage to maximize fermentation efficiency.

HIGHLIGHTS

- XTRA Enzymes
- XTRA CFUs
 - 152 billion CFU/gram
 - Supplies 200,000 CFU/gram of forage
- Designed specifically for haylage, baleage, and other grasses

* Always harvest at the proper moisture, chop length, and maturity of crop.

Guaranteed Analysis: Not less than 152 billion CFU/gram. Supplies 200,000 CFU/gram of forage or 200,000 CFU/gram of high-moisture corn. Note: Contains sources of live (viable) naturally occurring microorganisms.

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Ingredients: Dried *Pediococcus acidilactici* Fermentation Product, Dried *Enterococcus faecium* Fermentation Product, Dried *Lactobacillus plantarum* Fermentation Product, Dried *Lactobacillus brevis* Fermentation Product, Dried *Trichoderma longibrachiatum* Fermentation Extract, Dried *Lactococcus lactis* Fermentation Product, FD&C Yellow No. 6, Silicon Dioxide, and Dextrose.

Storage: Keep refrigerated (freeze) for best shelf life and always keep cool during usage. Use within one year of manufacture date.

PACKAGE SIZES: 100-TON POUCH | 250-TON POUCH



BECK'S

BIO-XTRA™

LIQUID MOLD INHIBITOR

A LIQUID MOLD INHIBITOR WITH A PROPRIETARY BLEND OF FDA APPROVED FOOD-GRADE COMPONENTS THAT ARE ADAPTED AND TAILORED FOR USE IN FORAGE PRESERVATION APPLICATIONS.

BIO-XTRA™ Liquid Mold Inhibitor is a combination of mold-inhibiting additives that helps reduce the propagation and spread of mold in silage bags, bunkers, and piles.

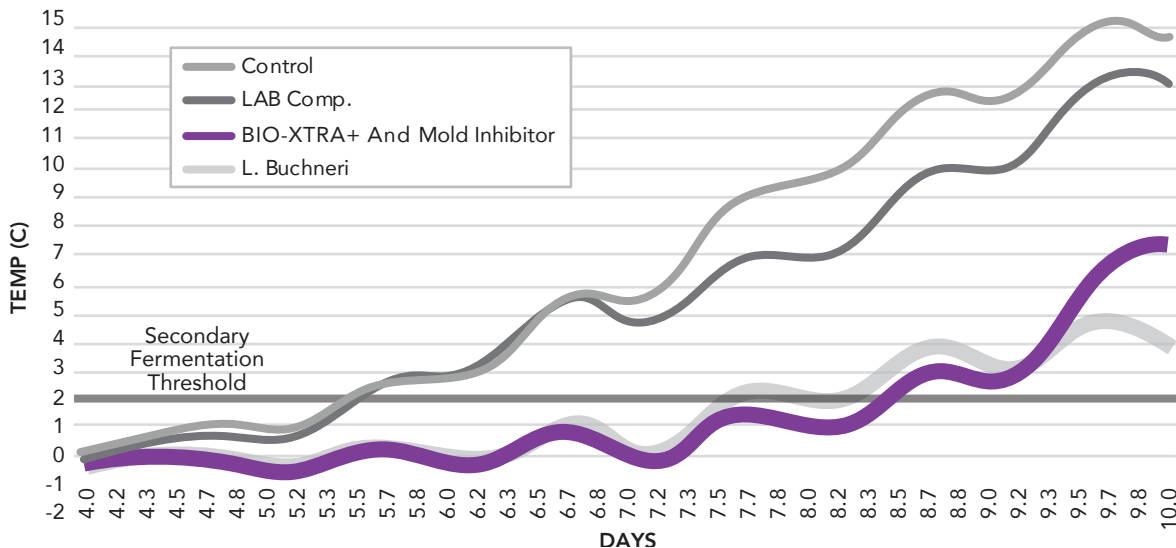
ABOUT

- Improves aerobic stability and reduces the growth of undesirable molds and yeast in all forage types.
- Provides an added level of protection to ensure quality feedstuffs for the upcoming feeding year.
- Serves as a powerful addition to the BIO-XTRA inoculant product lineup.

HIGHLIGHTS

- A unique blend of ingredients designed to inhibit mold, yeast, and fungal growth in wet feeds.
- Easy to calibrate to match silage inoculant application rate.
- Designed specifically for forage preservation.

AEROBIC STABILITY - SNAPLAGE D56



Aerobic evaluation: Secondary fermentations expressed when temperature increases by 2°C
Fluctuation in temperature represents drops in nighttime ambient temperatures.

Storage: Keep refrigerated (freeze) for best shelf life and always keep cool during usage. Use within one year of manufacture date.

PACKAGE SIZES: 1/2 GALLON: 500-TON | 1 GALLON: 1,000-TON



BECK'S

BIO-XTRA™

CONTAINS ALL NON-GMO BACTERIA

SILAGE INOCULANT

A SILAGE INOCULANT COMPRISED OF WATER-SOLUBLE BACTERIA AND ENZYMES FOR ENSILING OF CORN SILAGE, HIGH MOISTURE CORN, AND HIGH MOISTURE GROUND EAR CORN.

Featuring a strain of *E. faecium* to improve starch digestibility, a blend of lactic acid bacteria to cover the range of pH changes during fermentation, and *L. brevis* for backend aerobic stability. BIO-XTRA™+ also helps speed fermentation and reduce dry matter loss and heating in the bunker.

ABOUT

- Enzymatic activity from the fiber- and starch-degrading enzymes improve nutrient availability and energy conversion during fermentation and in the rumen. Research shows that improvements in both fiber and starch digestibility positively impact milk production, average daily gains, and feed efficiency.
- Works great when coupled with BIO-XTRA, a liquid mold inhibitor, to provide further aerobic stability in the face of a variety of harvest, management, and environmental conditions.
- XTRA Enzymes
- XTRA CFUs
 - 152 billion CFU/gram
 - Supplies 200,000 CFU/gram of forage
- Reduces dry matter loss by, at minimum, 6 percentage points
- Significantly increases aerobic stability at feed out

HIGHLIGHTS

- XTRA Performance
 - Contains a unique formula of bacteria designed specifically for corn, high moisture corn, and high moisture ground ear corn.
- Improves animal performance
 - More milk/ton
 - More beef/ton

* Always harvest at the proper moisture, chop length, and maturity of crop.

Guaranteed Analysis: Not less than 152 billion CFU/gram. Supplies 200,000 CFU/gram of forage or 200,000 CFU/gram of high-moisture corn. Note: Contains sources of live (viable) naturally occurring microorganisms.

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Ingredients: Dried *Pediococcus acidilactici* Fermentation Product, Dried *Enterococcus faecium* Fermentation Product, Dried *Lactobacillus plantarum* Fermentation Product, Dried *Lactobacillus brevis* Fermentation Product, Dried *Trichoderma longibrachiatum* Fermentation Extract, Dried *Lactococcus lactis* Fermentation Product, FD&C Yellow No. 6, Silicon Dioxide, and Dextrose.

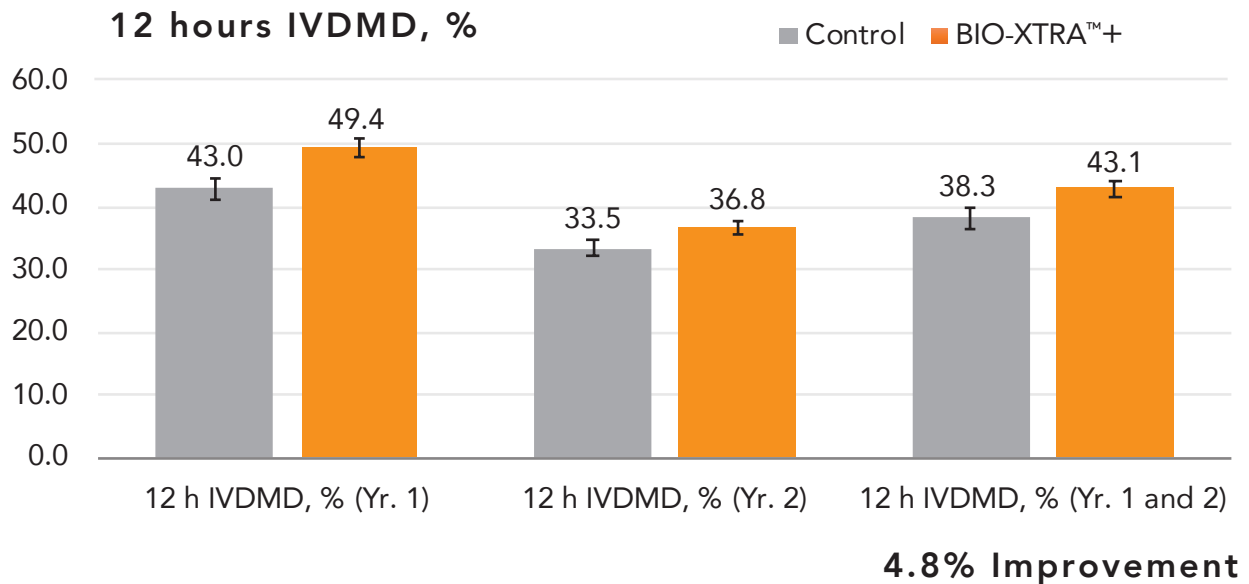
Storage: Keep refrigerated (freeze) for best shelf life and always keep cool during usage. Use within one year of manufacture date.

PACKAGE SIZES: 250-TON POUCH | 500-TON POUCH

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DRY MATTER DIGESTIBILITY IMPROVEMENTS



STARCH DIGESTIBILITY IMPROVEMENTS

