

# THE FIRST NAME IN SILAGE QUALITY



AG-BAG

## What Is Ag-Bag Inoculant?

Ag-Bag's silage inoculant delivers the industry accepted & recommended level of 100,000 cfu's of LIVE LAB's (Lactic Acid Bacteria) per gram of forage. These LAB's produce large quantities of lactic acid – lactic acid is the strongest acid in silage – this rapid conversion of plant sugars to lactic acid leads to a cooler, more efficient fermentation.

### Two primary benefits provided by adding Ag-Bag inoculant are:

1. **More dry matter saved (greater than 2 - 4%)**
2. **Improved protein preservation.**

*In addition a rapid, efficient fermentation leads to improved color and smell, leading to a more palatable, fresher silage at feed out – resulting in less refusals and improved DM intakes.*

## THE BOTTOM LINE:

*“You have more feed to feed and it is of better quality”*

## 4 Ways To Increase Profits with Ag-Bag Inoculant

### 1. Increase Milk Production

The US Dairy Forage Research Center reports dairy cows that consume inoculated alfalfa silage produce an average of 3% MORE MILK.

#### Haylage, proven benefit:

- **Increased milk yield of 1.5 lbs/cow**

### 2. Greater Weight Gain Per Ton of Silage

Silage feeding trials have consistently shown increased weight gains using a variety of forages.

#### Alfalfa Silage (University of Manitoba, Canada), proven benefit:

- **Improved weight gain of 16.4%**

#### Barley Silage (Airdrie, Alberta, Canada), proven benefit:

- **Improved feed efficiency of 6.5%**

### 3. Increased Dry Matter Retention

Research has shown a 3% improvement, on average, in dry matter recovery. In a typical 500 ton capacity silo put up at 60% moisture, 15 additional tons would be available for feed.

#### Alfalfa Silage (Lakeside Research, Alberta, Canada), proven benefit:

- **3% improved dry matter recovery.**

### 4. Increased Protein Retention

Silage treated with Ag-Bag Inoculant has shown an increase in protein retention of 7% over silage that was not inoculated.

#### Alfalfa Silage (Lakeside Research, Alberta, Canada), proven benefit:

- **7% increase in protein retention.**





# Ag-Bag Inoculant

## Use Ag-Bag Forage Inoculant to Increase PROFITS

### Ag-Bag Inoculant = Increased Cattle Performance

Category	Control	Ag-Bag	Benefit
DM Intake (lbs/hd/day)	20.26	21.25	4.9%
Average Daily Gain (ADG)	2.95	3.15	6.8%
Lbs. Feed per Lb of Gain	6.87	6.75	1.8%

#### What Are the Ag-Bag Inoculant Benefits?

- Fast growth rate across a range of temperatures
- Efficient fermentation to produce large quantities of lactic acid
- Ability to use a wide range of naturally available sugars
- Rapid drop in pH
- Does not degrade protein

**Bacterial Content:** The superior strains in Ag-Bag Inoculant were selected following a scientific, targeted screening program of more than 8,000 strains, resulting in two unique strains of bacteria - *Pediococcus pentosaceus* (more effective above a pH of 5) and *Lactobacillus plantarum* (works best below a pH of 5).

Ag-Bag Inoculant contains only elite strains of homofermentive bacteria specially selected for their ability to produce lactic acid quickly & efficiently, resulting in a rapid drop in pH soon after application.

#### When to use Ag-Bag Inoculant:

- Ag-Bag inoculant works well with all silages; *corn, alfalfa, grass, grains & HMC.*
- Ag-Bag inoculant works well with all silage storage options including; *bags, tower silos, oxygen limiting silos, bunkers and piles.*

#### Ag-Bag Inoculant Contains Enzymes:

Ag-Bag inoculant contains a proprietary combination of enzymes designed to assure adequate sugars are available to complete a fast, efficient, cool fermentation.



*Lactobacillus plantarum* gives fast, effective preservation.



*Pediococcus pentosaceus* provides quick pH drop for fast ensiling.

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