

## What is AgBag Inoculant?

Not all inoculants are the same. Why? Because they do not all contain the same bacteria strains. AgBag Inoculant is a uniquely formulated inoculant with specifically selected bacteria and enzymes capable of dominating the fermentation process. The result is an inoculant that provides the following benefits:

- ⇒ Fast growth rate across a range of temperatures
- ⇒ Efficient fermentation to produce large quantities of lactic acid (Trials show after only 48 hours in the silo, AgBag Inoculant lactic acid bacteria make up 92% of the total lactic acid bacteria.)
- ⇒ Ability to use a wide range of naturally available sugars
- ⇒ Rapid drop in pH  
Inability to degrade protein

## AgBag Advantage

### Effective on any silage crop

AgBag Inoculant is effective on alfalfa haylage, high moisture corn, corn silage, barley silage, oatage, grass silage, sorghum silage, and winter forage mix.

### Works anywhere

- Piles
- Pits
- Bags
- Upright Silos
- Baleage

*Production of good quality forage requires good management practices. The use of any forage additive cannot be expected to overcome bad management.*

## Bacterial Content

The superior strains in AgBag Inoculant were selected following a scientific, targeted screening program. Two unique strains of bacteria from an initial screen of more than 4,000 strains:

- Pediococcus pentosaceus* - more effective above a pH of 5
- Lactobacillus plantarum* - works best below a pH of 5

Our superior quality control ensures that inoculants are sold in peak condition with the highest counts of live bacteria possible.

AgBag Inoculant contains only elite strains of homo fermentative bacteria specially selected for their ability to produce high volumes of lactic acid, resulting in a rapid drop in pH soon after application.

## Enzyme Content

AgBag Inoculant contains specially chosen enzymes which break down complex carbohydrates into water soluble sugars. This guarantees an adequate supply of food for bacteria, allowing for an extremely fast drop in pH. In addition, these enzymes minimize the liquid runoff.

## Application

Researchers recommend applying 100,000 live bacteria per gram of forage. AgBag Inoculant always meets this criteria. AgBag Inoculant can be applied using any suitable applicator. Ensure that applicators are clean and properly calibrated.

## Storage

Store unopened packaged in a cool, dry place - refrigeration is recommended. Shelf life is 18 months from date of manufacture when stored as recommended.

**AG-BAG**  
a Miller-St. Nazianz, Inc. Company  
**INOCULANT**

## Forage Inoculants For Increased Profits



**Miller-St. Nazianz, Inc.**  
**511 East Main St.**  
**St. Nazianz, WI USA**

# 4 Ways To Increase Profits With AgBag

## 1. Increased Milk Production

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

**Haylage**  
*Proven benefit*

Increased milk yield 72.5 lbs. per cow

## 2. 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, you would have approximately 15 additional tons available for feed.

**Alfalfa Silage**

Lakeside Research, Alberta, Canada

*Proven benefit*

Improved dry matter recovery 3%

**PowerSile = Increased Cattle Performance**

Category	Control	AgBag	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. Gain	6.87	6.75	1.8%



## 3. 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%

**4. Increased Protein Retention**

Silage treated with AgBag inoculant has shown an increase in protein retention of 7% over silage that was not inoculated.

**Alfalfa Silage**  
*Proven benefit*  
 Lakeside Research, Alberta, Canada  
 Increase in protein retention by 7%



*Lactobacillus plantarum* (left) gives fast, effective preservation



*Pedococcus pentosaceus* (right) provides quick pH drop for fast ensiling