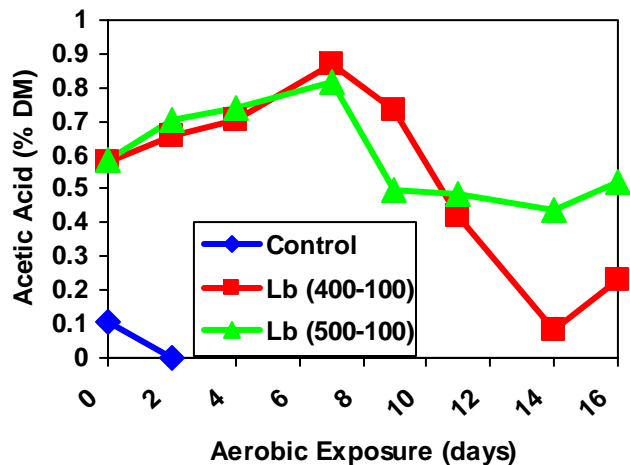


# PSI<sup>®</sup> Buchneri

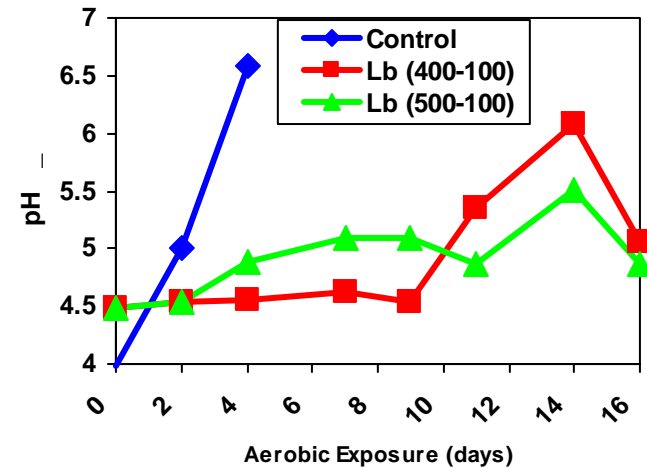
## Mode of Action.

PSI<sup>®</sup> Buchneri is designed to provide 500,000 cfu per gram of silage of *Lactobacillus buchneri* and 100,000 cfu per gram of silage of *Lactobacillus plantarum* and *Pediococcus acidilactici*. The *L. plantarum* and *P. acidilactici* support a rapid early acidification, and the *L. buchneri* provide aerobic stability by converting a portion of the lactic acid into acetic acid (Figure 1). A combination of acetic acid and intermediates produced by the *L. buchneri* reduce the growth of yeasts and other spoilage organisms.

**Figure 1.** Aerobic stability of PSI<sup>®</sup> Buchneri as reflected by the acetic acid levels in corn silage exposed to air over time versus an untreated control and a lower level of Buchneri.



**Figure 2.** Aerobic stability of PSI<sup>®</sup> Buchneri as reflected by the change in pH of corn silage exposed to air over time versus an untreated control and a lower level of Buchneri.



## When to use PSI<sup>®</sup> Buchneri.

Use when feed-out management could be improved:

- Low feed-out rates
- Difficult bunk face management
- Crops prone to aerobic instability
- Crops with higher than desire Dry Matter
- High moisture corn
- Corn silage

## PSI<sup>®</sup> Buchneri Water Soluble

A one pound pouch treats:

- 100 tons Corn or Legume haylage.
- 100 tons High Moisture Corn .

**PSI<sup>®</sup> Buchneri**  
**Treated Silage**

**Improves aerobic stability**

**Increases nutrient density of feed.**

**Reduces heating of silage.**

**Speeds fermentation & preservation**

**Increases milk production & intakes.**

**Increases dry matter recovery.**

**Reduces effluent flow.**

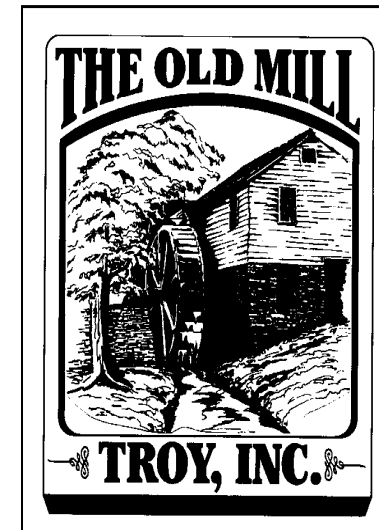


**Storage and Handling:** PSI<sup>®</sup> Buchneri should be stored in a cool, dry place out of direct sunlight. Follow label mixing instructions.

**The Old Mill Troy-Inc, P.O. Box 567, North Troy, VT 05859.**

**PSI<sup>®</sup>**  
**Premium Silage Inoculants**

**PSI<sup>®</sup> Buchneri**  
**Water Soluble**



**Safe Guarding your**  
**Investment and**  
**Preserving your Profits!**

Rev. 1/09

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