

## Choppers Choice Water Soluble Inoculant & Dry Inoculant

### Water Soluble Inoculant

- 500 gram jar, treats 500 tons.
- Delivered at 125,000 cfu/g of crop application.
- Contains *Lactobacillus plantarum* and *Pediococcus acidilactici* to ferment sugars. *Lactobacillus lactis* to ferment starches.
- Activated when included in a water solution. Works fast on application.
- Retail price is 48¢ per treated ton.
- Mix only enough for daily use. If a mix needs to be kept overnight, ice packs can be used to keep the mix cool. Heat and moisture activate, cold stabilizes.
- When using, anytime slime is seen at the bottom of the tank, the *Smartbacteria* have died and the product should be discarded.

*Smartbacteria* added to ferment corn silage, alfalfa silage, and grasses.

The wetter the forage, the more active an inoculant is at producing organic acids.

The more organic acids produced, drops the pH lower for protection from molds and wild yeast.

Organic acids are also an energy source and precursor for milk components.

### Dry Inoculant

- 50lb bag, treats 50 tons.
- Delivered at 150,000 cfu/g of crop application.
- Contains *Lactobacillus plantarum*, *Pediococcus pentosaceus*, *Enterococcus faecium*, *Pediococcus acidilactici*, and *Lactococcus lactis*.
- Needs time to hydrate to activate - The dryer the feed, the longer it takes.
- Retail price is \$1.30 per treated ton & higher freight costs.



## Choppers Choice Buchneri Water Soluble Inoculant

- Delivered at a rate of 500,000 cfu/g of crop at application for corn silage. (4x the cfu/g than WS Inoculant)
- Delivered at a rate of 750,000 cfu/g of crop at application for high moisture corn.
- Contains *Pediococcus pentosaceus* to start the fermentation process then *Lactobacillus buchneri* to take the pH even lower for additional forage protection
- Retail cost of \$1.25 per treated ton when applied at the rate for corn silage and \$1.89 per treated ton when applied at the rate for high moisture corn.
- Can be used on all crops but highly recommended on high moisture corn and snaplage and earlage.
- Makes lactic acid and acetic acid. Acetic acid is the same acid as vinegar that protects and or prevents the growth of wild yeast. Because of this, there is better protection in the hot summer months of feed heating at the bunk where the cows eat.
- When there is mold and or wild yeast issues, there is a direct correlation to poor reproduction from the mold and low butterfat from wild yeast. This is where Buchneri holds great value as a protectant.
- The wetter the forage, the better an inoculant works at producing more acids. The lower the pH, the more energy, the more milk components.
- Forage fermentation is more difficult on small dairies as harvest time is slower. This is where Buchneri is effective.

### Ideal Moisture

Grass & Small Grain Silage: 70% or wetter for bags & piles

Corn Silage: 70%, No less than 68%

Haylage: 65%

Snaplage/Earlage: 55-60%

HMSC: 32-34%



*For Healthy Animals*

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