



# TRUE-FERM

**Form: Inoculant**

A forage inoculant for grass, legumes, grain, and whole crop silage. Offered in a dry, concentrated, or water soluble form.

## IMPROVING FERMENTATION THROUGH INOCULANTS

Our True-Ferm inoculants contain *Lactobacillus plantarum* and *Pediococcus pentosaceus*. These strains have been selected because they are fast growing and primarily produce lactic acid. The bacteria alter fermentation towards lactic acid production; therefore, less butyric acid, ethanol and carbon dioxide are produced. Lactic is a strong acid that rapidly decreases pH to increase fermentation rate for an end product with a lower final pH.

When feedstuffs ferment poorly, it leads to the production of large amounts of carbon dioxide which dissipates into the environment resulting in dry matter loss (shrink). True-Ferm can reduce dry matter losses by 2 – 3%. A 3% improvement in dry matter recovery means for every 500 tons of 35% dry matter silage produced, 5.25 tons of DM would be saved.

## FEATURES AND BENEFITS

- *Pediococcus pentosaceus* provides rapid drop in pH for fast ensiling
- *Lactobacillus plantarum* promotes a stable final pH
- Reduced shrink resulting from an improvement in dry matter recovery
- Fast, efficient ensiling for maximum nutrient retention and better forage quality
- Extended bunk life
- Works in any storage facility: Piles, pits, bags, upright silos, bunkers, baleage
- Works on all fermented crops: Corn silage, alfalfa and grass silages, cereal silages, high moisture corn

## DIRECTIONS FOR USE

| Product Number | Name             | Size  | CFU of bacteria | Usage Rate                      |
|----------------|------------------|-------|-----------------|---------------------------------|
| 2708           | TRUE-FERM DRY    | 50 lb | 90.8 billion/lb | 1 lb/ton fresh chop forage      |
|                |                  |       |                 | 2 lb/ton high moisture grains   |
| 2711           | TRUE-FERM DRY 5X | 50 lb | 454 billion/lb  | 0.2 lb/ton fresh chop forage    |
|                |                  |       |                 | 0.4 lb/ton high moisture grains |



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