PICKSEED®
*good things growing…*

# Technical Data

## Ensure® And Enhance® Silage Inoculants

**FEWER LOSSES, MORE NUTRIENTS, IMPROVED ANIMAL PERFORMANCE**

| PRODUCT | DESCRIPTION | MICROBIAL INGREDIENTS | PACKAGE | VOLUME OF SILAGE TREATED |
|---|---|---|---|---|
| ENSURE (Water soluble) | haylage* | *Lactobacillus plantarum (LP-1) Pediococcus cerevisiae (PC-3)* | 100 gm bottle | 50 tonnes of haylage |
| ENSURE (Granular) | haylage | *Lactobacillus plantarum (LP-1)* | 25 kg bag | 50 tonnes of haylage |
| ENHANCE (Water soluble) | corn silage | *Lactobacillus plantarum* (K270, PA28) | 50 gm bottle | 50 tonnes corn silage |
| ENHANCE (Granular corn) | corn silage | *Lactobacillus plantarum* (K270, PA28) | 20 kg bag | 50 tonnes corn silage |

* haylage: alfalfa, other legume, grasses, or mix, or cereal

**DAIRY ADVANTAGE**

### RESEARCH SHOWS A SIGNIFICANT RETURN ON INVESTMENT WITH SILAGE INOCULANTS IN DAIRY PRODUCTION

This trial shows that a 50 cow herd dairy producer potentially can earn additional net income of more than $8,743.00 per year by using a silage inoculant.

| ADDITIONAL INCOME WITH AN INOCULANT | |
|---|---|
| Inoculated Silage: Milk Value/Cow/Day* | $15.34 |
| Untreated Silage: Milk Value/Cow/Day | $14.82 |
| Extra Income/Cow/Day | $0.52 |
| Extra Income/Day for 50-Cow Herd | $26.00 |
| Days Per Year .....x365 | |
| Extra Income/Year | $9,490.00 |
| Estimated Cost of Inoculant** | -$746.50 |
| Net Additional Income | $8,743.50 |

*Based data from the University of Wisconsin and using an average milk price of $55/hectoliter and average milk fat of 3.6%; ** Cost for inoculant may vary. Estimated cost in this example is based on 22.7 kg (50lb) of silage consumed/cow/day and inoculant cost of $1.80/tonne of silage

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### BEEF ADVANTAGE

Research at Kansas State University showed that using microbial inoculant improved corn silage fermentation which resulted in better steer performance. Dry matter recovery of inoculated silage was greater than untreated silage.

Steers gained 3.6 kg (79 lb) more weight per ton of inoculated silage consumed than steers consuming untreated silage.

The goal of silage production is to maximize the amount of nutrients preserved in your forage crop. The use of a silage inoculant can ensure that the value of your crop is maximized.

PICKSEED offers an excellent choice of top quality inoculants for protecting your corn silage or haylage investment.

### YOU WILL SEE IMPROVEMENTS IN:

**Dry matter recovery** - using inoculants can save you upwards of 7 per cent dry matter (see attached), but the losses represent protein, sugars and starches, not just haylage or corn silage. These losses are the portion that is easiest to digest. Dry matter losses will need to be replaced with more expensive feed purchases such as soybean meal and grain corn.

### DIFFERENCES IN DRY MATTER LOSSES TRIAL RESULTS

| UNIVERSITY | CROP | UNTREATED | TREATED | DIFFERENCE |
|---|---|---|---|---|
| Guelph (tonnes) | Alfalfa | 15.4 | 9.6 | 5.8 |
| Cornell (NY) (Tons) | Corn | 8.7 | 2.1 | 6.6 |
| Fresno State U, California (Tons) | Corn | 24.4 | 18.9 | 5.5 |