

Ensure® And Enhance® Silage Inoculants

MORE RAPID AND EFFECTIVE FERMENTATION
FEWER LOSSES, MORE NUTRIENTS, IMPROVED ANIMAL PERFORMANCE

PRODUCT	DESCRIPTION	MICROBIAL INGREDIENTS	PACKAGE	VOLUME OF SILAGE TREATED
ENSURE (Water soluble)	haylage*	<i>Lactobacillus plantarum</i> (LP-1) <i>Pediococcus cerevisiae</i> (PC-3)	100 gm bottle	50 tonnes of haylage
ENSURE (Water soluble)	haylage*	<i>Lactobacillus plantarum</i> (LP-1) <i>Pediococcus cerevisiae</i> (PC-3)	500 g bottle	250 tonnes of haylage
ENHANCE (Water soluble)	corn silage	<i>Lactobacillus plantarum</i> (K270, PA28)	50 gm bottle	50 tonnes corn silage
ENHANCE (Water soluble)	corn silage	<i>Lactobacillus plantarum</i> (K270, PA28)	500 g bottle	500 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

With today's expensive feed cost, using inoculant on your silage adds to your bottom line. Using the attached University of Guelph Inoculant study - the value of using inoculant is clearly demonstrated.

Inoculant in this study provided \$8.06/ton return after factoring all other costs. This is a return of \$5.00 for each \$1.00 invested in inoculant.

For a 75 cow herd this would translate into a savings of \$6,045.00 return (75 x 10 ton / cow of silage per year (a cow will consume approx. 10 ton of silage per year) x \$8.06 / ton = \$6,045.00 return) to the farm; from reduced dry matter loss and increased forage dry matter intake.

UNIVERSITY OF GUELPH INOCULANT STUDY - DEMONSTRATES THE VALUE OF USING INOCULANT			
	Untreated	Inoculant	Advantage
Moisture (%) / Dry Matter (%)	62.1% / 37.9%	59.5% / 40.5%	
Dry Matter Loss (%)	15.4%	9.6%	+ 5.8%
Forage Dry Matter Intake (lbs)	27.1 lbs	31.0 lbs	+ 3.85 lbs
4% Milk / Cow /Day	34.25 lbs	36.75 lbs	+ 2.50 lbs
Pounds of Milk / Ton of Forage Ensiled	809 lbs	868 lbs	+ 59 lbs
Grain As Fed/ Cow / Day (lbs)	12.4	13.2	
Milk Income / Ton of Forage Ensiled (TFE)924.45/ kg of milk	\$165.12	\$177.14	
Grain Cost/ TFE @ (\$250/ton)	-\$36.61	-\$38.97	
Silage Cost / TFE (@ \$40/ton)	-\$40.00	-\$40.00	
Inoculant Cost / TFE (@ \$1.60/ton)	\$0.00	-\$1.60	
Net Return per Ton of Forage Ensiled	\$88.51	\$96.57	\$8.06/ton

Ensure[®] And Enhance[®] Silage Inoculants

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 below), 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.

DRY MATTER LOSSES (as %) TRIAL RESULTS

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

EXPLANATION:

At Guelph, alfalfa silage untreated lost 15.4% dry matter during fermentation while the alfalfa silage treated with ENSURE lost only 9.6% dry matter. The treated silage effectively yielded $15.4 - 9.6 = 5.8$ tonnes more silage per 100 tonnes.

Inoculant Applicators

MS SPRAYER MODEL #MS-ST95INO STANDARD FEATURES

- 25 gal U.S. (95 litres) poly tank
- Steel Brackets
- 1.4 GPM pump, adjustable pressure up to 45 PSI, 12 volts
- 30 ft power cord, with quick connectors, remote switch and fuse
- 12 ft hose, 150° spray tip No. TF-VP2 and anti-drip strainer, stainless steel bracket
- This equipment is guaranteed for a period of 12 months against manufacturing and assembly defects, but not against problems resulting from improper maintenance or use.



DOHRMANN ENTERPRISES DOHRECT DE-1000

STANDARD FEATURES

- Low volume, long distance unit
- Treat up to 1,000 Tons
- Easy calibration
- Insulated tank and ice pack for prolonged bacteria life
- Simple and easy to use



WARRANTY

Dohrmann Enterprises, Inc. will replace or repair any applicator parts that are found defective within 6 months from original date of purchase. Defective parts must be returned to Dohrmann Enterprises, Inc. within 30 days of failure with shipping and handling fees prepaid.

Dohrect Enject Systems include an insulated tank and ice packs designed to help keep bacteria cool and vigorous during prolonged use. Clean-up is convenient because the insulated tank is easily removable and the full diameter lid allows easy access. A flush system is standard on all units, making flushing the pump and lines simple and easy. The DE-1000 now includes the FM-1000 Flowmeter for easy calibration, making the system even easier to use.

The Dohrect Enject System is more compact than conventional applicators, making it simple to install. The base plate is only 16 inches square and the complete unit stands only 24" high. The unit includes 35' of

power cord with the connections pre-wired, making wiring very simple.

These are "low volume, long distance units". Just mix your product at a rate of 100 treatable Tons per gallon of water, applying the product solution at a rate of only 1.28 ounces per Ton (maximum 5 Tons per minute). Mixing is made easy with a mixing jug (included). Now system setup is simple with the New FM-1000 Flowmeter, turn the system on and simply float the calibration ball up to the desired output, making calibration simple and accurate. Easy "on the fly" adjustments may be made using the SP-2 Control Unit, which is especially designed for the use on the Dohrect Enject System, and is standard with every unit.

CM-2 Chopper Mount

The available CM-2 Chopper Mount Kit can be used for mounting the DE-1000 Dohrect Enject System on pull-type choppers or baggers. Inoculant solution can be mixed specifically for this type of application.