

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*	<i>Lactobacillus plantarum (LP-1)</i> <i>Pediococcus cerevisiae (PC-3)</i>	100 gm bottle	50 tonnes of haylage
ENSURE (Granular)	haylage	<i>Lactobacillus plantarum (LP-1)</i>	25 kg bag	50 tonnes of haylage
ENHANCE (Water soluble)	corn silage	<i>Lactobacillus plantarum (K270, PA28)</i>	50 gm bottle	50 tonnes corn silage
ENHANCE (Granular corn)	corn silage	<i>Lactobacillus plantarum (K270, PA28)</i>	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 Yearx365	
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

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.