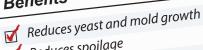


Benefits



Protects forage protein from fermentation heating ✓ Reduces spoilage

Safe for equipment and human health

✓ Concentrated liquid L. acidophilus fermentation

Time-proven research and field results

Source nutrients to feed bacteria to competitively

exclude yeasts and mold

✓ Flexibility of application at the time of cutting or baling





Promote® Forage-Mate® HayDefender liquid hay treatment is a liquid Lactobacillus acidophilus fermentation product to enhance the forage quality and preservation of higher-moisture hay by restricting yeast and mold growth. Hay-Defender offers the flexibility of application at cutting or baling, while being safe for equipment and human health.

> Hay-Defender is for hay producers seeking to enhance forage quality and preservation of higher-moisture hay.

Recommended Usage:

Recommended Baling Moisture Rates:

	Alfalfa	Alfalfa/grass or grass
Small square	<23%	<21%
Large round	<20%	<18%
Large square	<18%	<16%

Application Rate:

Tons of Hay	50	100	150	200
HayDefender, gal	1	2	3	4
Water, gal	11.5	23	34.5	46
Total	12.5	25	37.5	50

Discard combined Hay-Defender-water solution after 72 hr of mixing.

Packaging & Forms:

2-gal jug	Treats 100 tons of hay
Case of 2 jugs (2 gal each)	Treats 200 tons of hay
55-gal barrel	Treats 2,750 tons of hay
250-gal tote	Treats 12,500 tons of hay

Effect of applying Hay-Defender at baling to large-round alfalfa bales

	Control	Hay-Defender			
Baling Moisture, % (After 4 weeks of storage)	21.3	23.6			
Moisture, %	14.9	15.3			
Protein, %	17.2	17.8			
ADICP ² , %	11.8	7.4			
Spoiled bales,%	60.0	0.0			

¹Research conducted by TransAgra, Intl., Storm Lake, IA

Guarantee:

Crude protein (Min)	4.0%
Crude fat (Min)	0.1%
Crude fiber (Max)	0.5%

Ingredients:

Liquid Lactobacillus acidophilus fermentation product and lactic acid.

²Acid detergent insoluble crude protein, % of crude protein