

MAGNIVA[®] HAY

THE NATURAL CHOICE FOR HAY PRESERVATION

DRIVE FERMENTATION	ENHANCE FEED DIGESTIBILITY	IMPROVE FEEDOUT STABILITY
+ + + + +	+ + + + +	+ + + + +

MAGNIVA[®] Hay protects the quality of hay while increasing nutrient retention and improving fiber digestibility. In addition, by allowing baling at higher moisture, MAGNIVA Hay reduces losses during baling while also lowering spoilage losses during storage to maximize the value of your hay crop.

USED FOR

- All hay crops baled at moisture levels up to 5% higher than the safe level for baling untreated hay

STRAINS	MAIN FEATURES	COLONY FORMING UNITS (CFU)
<i>Pediococcus pentosaceus</i> NCIMB 12674	Selected for its ability to grow rapidly at low moisture levels across a wide range of temperatures and pH levels. Colonizes the hay to reduce the growth of spoilage yeast and molds.	1,000,000 CFU/g fresh forage

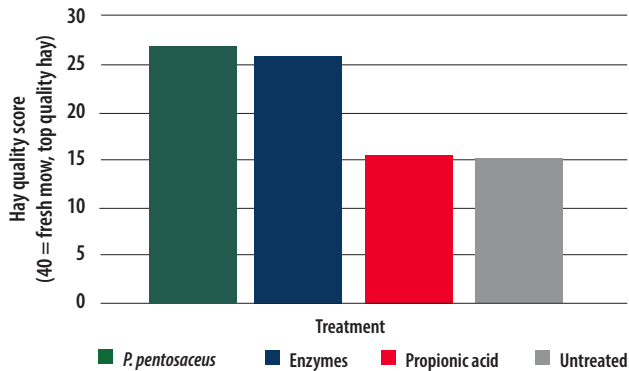
ENZYME	MAIN FEATURES	ACTIVITY
α-amylase (EC 3.2.1.1)	Works in concert with the <i>P. pentosaceus</i> NCIMB 12674 to help improve digestibility and reduce the growth of yeasts and molds.	25,670 units per gram

one unit = one mg sugar released/minute

PROVEN RESULTS

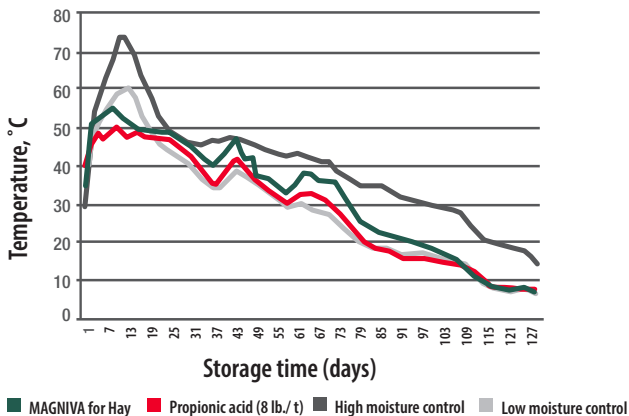
IMPROVES APPEARANCE: BIG SQUARE BALES¹

The ingredients in MAGNIVA Hay were shown to significantly improve hay appearance (color and odor) compared to negative control in big square bales (1800 lb.) of a 18% moisture 90:10 alfalfa /brome grass mix. Hay treated with propionic acid had the same score as untreated bales.



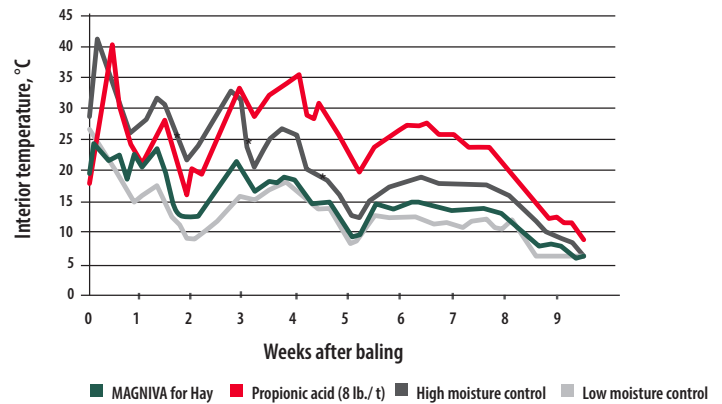
REDUCES HEATING: IN-SITU CORE TEMPERATURES³

In trials on 30% moisture alfalfa hay medium square bales (1,100 lb.), MAGNIVA Hay significantly reduced heating compared to the untreated control in 30% moisture medium square alfalfa hay bales (1,100 lb.). Temperature profiles in MAGNIVA Hay treated bales were comparable to the hay treated with propionic acid and low moisture controls (20% moisture).



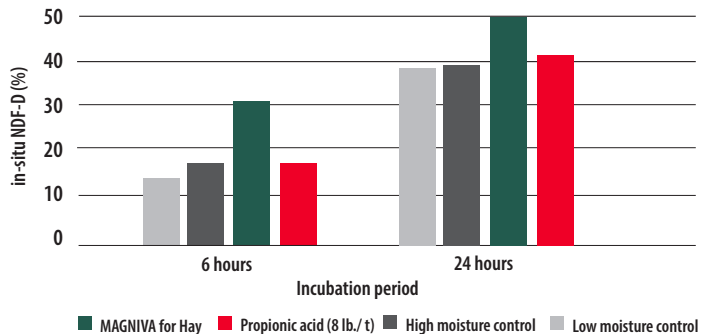
REDUCES HEATING: BIG ROUND BALES²

MAGNIVA Hay significantly reduced heating compared to the untreated control and propionic acid treat hay in 25-30% moisture alfalfa big round bales (1,500 lb.). Temperature profiles in the MAGNIVA Hay treated bales were comparable to the low moisture control (11% moisture) and significantly ($P < 0.05$) lower than the propionic acid treated (59.4°F and 77.7°F, respectively).



INCREASES IN-SITU NDFD: ALFALFA HAY²

In trials on 21.4 - 26.6% moisture alfalfa hay in big round (1,200 lb.) bales, MAGNIVA Hay significantly ($P < 0.001$) increased in-situ 6h and 24h NDF digestibility compared to the high moisture control hay, the propionic acid treated and the low moisture (15.8%) control.



OUR GUARANTEE: WHAT IS ON THE LABEL IS INSIDE THE PACKAGE!

MAGNIVA HAY Available Size

91 g pouch of water-dispersible concentrate treats 10 tons of fresh hay.

Contact your Lallemand Animal Nutrition sales representative.



Always follow label directions: The use of any forage additive cannot be expected to overcome poor management. Proper storage and handling is important to forage inoculant performance. Products should be refrigerated, and the whole package should be used at one time. Visit www.QualitySilage.com for the latest information on silage management practices.

REFERENCES: TRIAL SUMMARIES AVAILABLE UPON REQUEST

¹Baah, J. et al., AAFC-AAC Lethbridge, unpublished data. ²Lin, J. et al. Grass Forage Sci. 2018; 1-12. ³ Professor Andrea Formigoni, University of Bologna, Italy, unpublished independent trial report.

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