

**Promote® Forage-Mate® Hay-Shield** is a proprietary blend of organic acids that allows you to bale hay at higher moisture levels. Hay-Shield has a high concentration of active ingredients, allowing for lower application rates. This saves time and money.

## Benefits

- ✓ Gives more flexibility, extending hours for harvesting/baling time
- ✓ Allows for baling at higher moisture level (as high as 30% moisture) to retain more leaves and nutrient content
- ✓ Reduces wilting time – bale hay sooner
- ✓ Increases dry matter recovery
- ✓ Reduces risk of mold, heating and discoloration
- ✓ Provides more palatable hay

## Features

- ✓ Buffered - Non-corrosive and safe to handle
- ✓ Organic acid blend effective on a wide variety of spoilage organisms
- ✓ Liquid form to assure accurate coverage
- ✓ Cost effective
- ✓ Safe for all animals including horses
- ✓ Low inclusion rate
- ✓ EPA Registered (No. 1352-65)

## Recommended Usage

Promote Forage-Mate Hay-Shield must be applied accurately and uniform application is critical to ensure optimal performance

## Storage

- Do not agitate or open container during freezing temperatures
- Do not store in direct sunlight

## Packaging and Forms

- Liquid Organic Acid Form (ready to use)
- 50-lb pails
  - 450-lb drums
  - 2000-lb totes

## Guaranteed Analysis

A non-corrosive, organic acid product with 77% buffered, propionic acid blended with additional inert ingredients.

**Hay-Shield - Liquid Application Rate Table**

	Small Square		Large Round		Large Square	
Moisture, % <sup>cd</sup>	Stem or Plant Moisture, % <sup>a</sup>	Dew Moisture, % <sup>b</sup>	Stem or Plant Moisture, % <sup>a</sup>	Dew Moisture, % <sup>b</sup>	Stem or Plant Moisture, % <sup>a</sup>	Dew Moisture, % <sup>b</sup>
17 - 20	3 lb/ton	1.5 lb/ton	3.5 lb/ton	2 lb/ton	5 lb/ton	2.5 lb/ton
20.1 - 22	4 lb/ton	2.5 lb/ton	5 lb/ton	3.5 lb/ton	7.5 lb/ton	5 lb/ton
22.1 - 24	5 lb/ton	3.5 lb/ton	6 lb/ton	4 lb/ton	9 lb/ton	6.5 lb/ton
24.1 - 27	7 lb/ton	5 lb/ton	7.5 lb/ton	5.5 lb/ton	12 lb/ton	9 lb/ton
27.1 - 30	14 lb/ton	10 lb/ton	Do not bale	12 lb/ton	Do not bale	14 lb/ton

<sup>a</sup> Stem or plant moisture is moisture remaining in plant during the curing process after dew has dried from the plant

<sup>b</sup> Dew moisture is moisture occurring primarily on the surface of the hay; adjustments should be applied only when stem or plant moisture has previously reached 17% moisture or less.

<sup>c</sup> Moisture levels are based on oven-drying method; make appropriate adjustments if alternative measurement method is used.

<sup>d</sup> For previously rained on hay or poorly ventilated storage conditions, increase application rates by 3 lbs per ton of hay

## Ingredients

### Active ingredients

Propionic Acid ..... 77%

### Inert Ingredients

Ammonium hydroxide, acetic acid, citric acid, water, artificial flavors and colors ..... 23%

Total ..... 100%