

Suggested Application Rates

For Baled Hay:

% Moisture	Pounds per Ton	Gallons per Ton
14%	3	1/3 (0.33)
16%	4	4/9 (0.44)
18%	5	5/9 (0.55)
20%	6	2/3 (0.66)
22%	8	7/8 (0.88)
24%	10	1 1/9 (1.11)
26%	13	1 4/9 (1.44)
28%	16	1 7/9 (1.77)

Due to moisture variations, make sure application rate is based on the upper moisture levels. These are general recommendations. Adjust to your specific needs.

For Grains and Mixed Feeds:

- 2 lbs. per ton of sound grain or feed
- 3-4 lbs. per ton of compromised grain or feed

For TMRs:

- 6 lbs. per ton to control mold and yeast growth

For more specific information, contact your distributor or call Homestead Nutrition.

Important:

Flush applicator tank, lines, and pump with water prior to introducing Guardian to assure no cross contamination with a previous product, especially a former acidic product.



Preserve & Protect
your
Forages
& Grains

Ingredients:

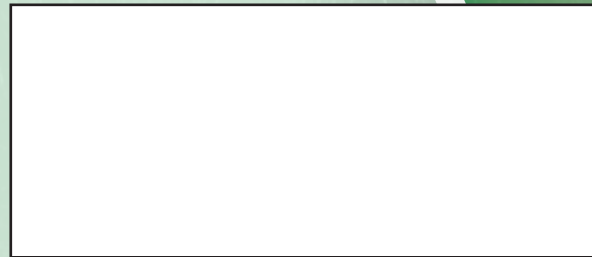
Potassium Sorbate, Sodium Benzoate, Purified Water, Surfactant, and Dye.

Weight: 9 pounds per gallon

Sizes Available:

250 gallons (2,250 lb.)
50 gallons (450 lb.)
15 gallons (135 lb.)
5 gallon case (45 lb.)

Distributed By:



Guardian

Protecting your
crops, equipment,
and YOU!



**Homestead
Nutrition**

(888) 336-7878

New Holland, PA 17557

www.homesteadnutritioninc.com



Advantages of Guardian:

- Not an Acid
- Non-Corrosive on Equipment
- Environmentally Friendly
- Excellent Palatability on Treated Crops
- Food Grade Ingredients
- Easy to Use
- Highly Effective



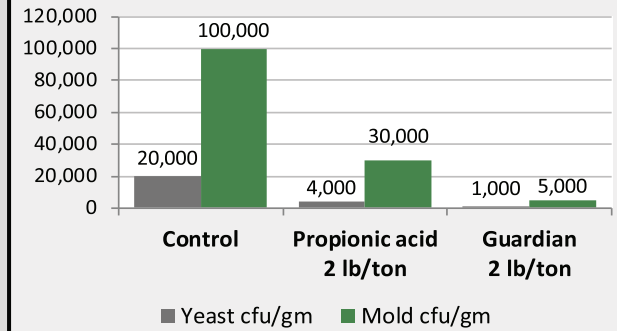
“Several years ago we switched from Propionic Acid to Guardian. Guardian has yielded better results for feed value and hay color and has been equally effective for baleage and dry hay. We are also happy with the ease of handling -- there is no mixing involved -- Guardian can stay in the applicator tank from one season to the other, has less odor and NO rust on the equipment.”

- Custom Baler



When used as part of a grower's best management practices, Guardian can reduce heating and dry matter loss.

Guardian Trial in Layer Mash



Trial Details:

- Layer mash at 11.6% moisture was stored in closed 5 gallon buckets with ventilated lids for 57 days. There were 28.75 pounds of layer mash in each bucket.
- Applied 12.83 grams of Propionic Acid and 12.83 grams of Guardian to their respective buckets, which is equivalent to 2 pounds per ton.
- Temperatures were monitored throughout the trial period, and no significant differences in temperature were noted between any of the buckets.
- Yeast and molds were quantified at day 57.

**Protecting your
crops, equipment,
and YOU!**