

Guardian®

Ingredients: Potassium Sorbate, Sodium Benzoate, Purified Water, Surfactant, Dye.

Weight: 9 pounds per gallon

Sizes Available:

250 gallon (2250 lb.)
50 gallon (450 lb.)
15 gallon (135 lb.)
5 gallon (45 lb.)



Grand Champion
Treated with Guardian
2014 Ag Progress Days in Pennsylvania.

Also Consider the Crop Guard and Vital Guard product lines for your inoculant needs.

Distributed By:

A liquid treatment to preserve and protect the quality of forages and grains.



Protecting your crops,
equipment & YOU!



Homestead Nutrition, Inc.

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1-888-336-7878

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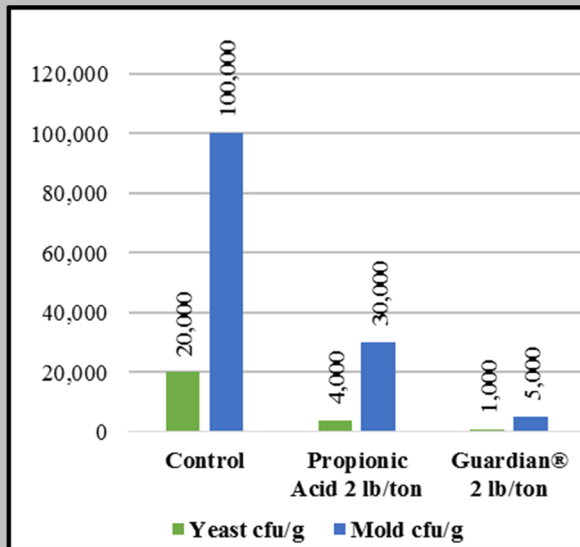
Advantages of Guardian® Use:

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

- Hoover's Baling LLC
Morgantown, PA

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.

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)

For Grains and Mixed Feeds:

2 lbs. per ton of sound grain or feed.

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



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

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.



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

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