

**PRESERVOR™ - Using technology to preserve the quality and bunk life of baled hay.**

*Why choose PRESERVOR™?*

- Better long-term microbial protection to preserve the quality of animal feed hay
- Performance is superior to traditional propionic acid based products
- Effective at higher moisture - up to 30 percent and wide ranges of pH
- Non-toxic, environmentally friendly and biodegradable
- Ingredients are FDA approved, GRAS and EPA exempt
- Non-corrosive to farm equipment

COMPLIMENTS OF YOUR IBA DEALER

**PRESERVOR™**  
**HAY & CROP TREATMENT**

*A Revolutionary Solution for Hay & Crop Preservation*

**PRESERVOR™ vs. Propionic Acid**

PRESERVOR™	PROPIONIC ACID
Mold Inhibitor	Mold Inhibitor
Preservative	
Non-Toxic	Toxic
Exempt from EPA Registration	EPA registration required
Non-corrosive	Corrosive
Less expensive	

**Preservor Outperforms Dry Potassium Sorbate**

- Preservor is a proprietary form of potassium sorbate which has been stabilized against decomposition in solution
- The stabilization allows Preservor to retain effectiveness in solution over time even when exposed to UV light or oxygen
- Preservor is the ONLY product on the market with this technology
- Preservor is a cost-effective substitute for dry potassium sorbate



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For More Information contact your IBA Dealer/Technician

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PRESERVOR™ is a patented Potassium Sorbate-based preservative providing significantly longer shelf life for baled hay and increased palatability for livestock. Tests show that hay bales treated with PRESERVOR™ are fresher, greener and mold-free longer than bales treated with propionic acid preservatives.

### PRESERVOR™ HAY TEST RESULTS

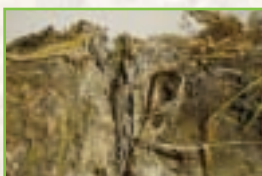
In numerous trials conducted on various cuttings of alfalfa, PRESERVOR™ has been shown to be superior to propionic acid based products in controlling mold in baled hay:

	CUTTING	MOISTURE % AT BALING	MOLD COUNT AFTER 30 DAYS	
			Prop. Acid	PRESERVOR™
Kansas Trial	4th	20%	2,700,000	700,000
Pennsylvania Farm #1	1st	25%	1,200,000	120,000
Pennsylvania Farm #2	1st	25%	27,000,000	9,000,000

PRESERVOR™ is the first effective preservative on the market to be completely user-friendly, environmentally safe and a non-corrosive/rust inhibitor to farm equipment.



AVAILABLE IN  
120 lb. Drum, 450 lb. Drum, 2,250 lb. Tote



UNTREATED HAY



TREATED WITH PROPIONIC ACID



TREATED WITH PRESERVOR™

### DIRECTIONS FOR USE:

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Any residual chemical of any kind (in any storage or application apparatus) should be flushed completely, and the equipment cleaned thoroughly with water eliminating residue of any kind.

### FOR USE ON HAY:

Spray PRESERVOR™ on the hay as it is fed into the baler using the correct application rate indicated by the chart below:

HAY MOISTURE	SM. BALES USE 2 NOZZLES	LG. BALES USE 3 NOZZLES
16%-22%	4-6 lb/ton	6-8 lb/ton
22%-26%	6-8 lb/ton	8-10 lb/ton
27%-30%	10-12 lb/ton	12-14 lb/ton
Over 30%	Not recommended	Not recommended

### FOR USE ON HAYLAGE:

Spray PRESERVOR™ on the hay as it is fed into the chopper using the application rate indicated below:

*Optimum haylage moisture range 55-65% depending on storage structure – 2 to 4 lbs/ton.*

### FOR USE ON BALEAGE:

Spray PRESERVOR™ on the hay as it is fed into the baler using the application rate indicated below:

*Optimum baleage moisture range 48-56% – 2 to 4 lbs per ton.*

### FOR USE ON SILAGE AND TMR:

Spray Preservor™ on crop at chopper or blower intake using the following application rate table:

CROP	MOISTURE	RATE
Small Grain Silage	60-70%	3-5 lb/ton
Corn Silage	60-70%	3-5 lb/ton
TMR Mix		2-8 lb/ton*

*\*TMR usage rate depends on average daily air temperatures. Use rates should increase as air temperature rises.*

### FOR USE ON HIGH MOISTURE GRAINS:

Spray PRESERVOR™ using the following application rate table:

- For Whole Corn – Increase rate 2X – 3X

GRAIN	MOISTURE	RATE
Processed High Moisture Ear Corn	32-38%	2-6 lb/ton
Processed High Moisture Shelled Corn	26-34%	2-6 lb/ton
Ground Ear Corn	26-32%	2-6 lb/ton
Cracked or Rolled Corn	24-32%	2-6 lb/ton

1. Prevent air leakage-ensure silo has no cracks or holes.
2. Harvest as full dent and at proper moisture level.
3. Ensilage rapidly with uniform distribution in the silo and all kernels cracked.
4. Apply at the correct rate based on moisture content.
5. Pack well for good fermentation. Seal off with plastic sheeting.

PRESERVOR™ Preservor containers should be protected from any and all foreign particles that could potentially clog application nozzles.

Use a reliable moisture tester to determine moisture content of the hay in the windrow before applying PRESERVOR™. Follow applicator instructions to calculate baling rate and set sprayer calibration. Use three nozzles to achieve complete coverage.

All application equipment should be in good working order so that good coverage is obtained (all spray nozzle openings should be clean and free of obstruction and should be placed to ensure thorough coverage).

Application of PRESERVOR™ is NOT recommended if the hay moisture level exceeds 30 percent.

Baled hay treated with PRESERVOR™ should be in a protected but well ventilated area.

Stack hay to provide maximum air movement between bales. Untreated dry hay should not be stored in contact with PRESERVOR™ treated hay.