



U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDE PROGRAMS  
120 Pennsylvania Ave., N.W.  
Washington, DC 20460-0001

EPA Reg. Number  
**1352-65**

Date of Issuance  
APR 7 2005

Term of Issuance  
Unconditional

Name of Pesticide Product  
Hay-Shield

NOTICE OF PESTICIDE  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Cargill Animal Nutrition  
P.O. Box 5614  
Minneapolis, MN 55440  
ATTN: Sue Carlson

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or approval of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the changes to the labeling that are listed below before you release the product for shipment:
  - a. Add the phrase "EPA registration No.1352-65" to your label before you release the product for shipment.

Signature of Approving Official:

Olga Odipitt  
Acting, Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Date:

APR 7 2005

b. Revise the Hazards to Humans and Domestic Animals statements as follows:

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Wear chemical-resistant gloves, chemical-resistant aprons, chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used. Avoid working near high concentrations of spray mist/vapor. Use with adequate ventilation. Wash thoroughly after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Submit one copy of your final printed labels before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Rose Kearns of my team at (703) 305-5611.

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Hay-SHIELD® is a buffered propionic acid for use as a fungistat to reduce mold growth during storage. It can be used on alfalfa, Bermuda grass, bluegrass, brome grass, clover, cowpea hay, fescue, lespedeza, lupines, orchard grass, peanut hay, peavine hay, rye grass, soybean hay, sudan grass, timothy, and vetch. Treated hay may subsequently be used as an animal feed ingredient.

**APPLICATION:** Use calibrated liquid metering applicator and appropriate equipment to ensure maximum distribution throughout the unprocessed hay during application at the time of baling.

**FOR USE ON HAY: APPLICATION RATES (LB/ton)**

Moisture Level	Bale Type			
	Small Square	Large Round	Large Square	Stacker
18-20%	2.5	3.75	5	2.5
21-22%	3.75	5	7.5	3.75
23-24%	5	6.25	10	5
25-27%	6.25	7.5	12.5	6.25

**IMPORTANT:** 1) Moisture levels listed for oven drying method. Commercial moisture testers often give moisture readings 1-3 percentage points higher than the oven method, and the microwave method often under-predicts moisture. 2) For previously rained on hay or poorly ventilated storage conditions, increase application rate by 3 LB/ton. 3) Do not treat and store chopped hay or hay over 25% moisture, except as noted above. 4) Do not dilute Hay-SHIELD®. 5) Do not use if container seal is broken.

### Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store product in dry area, above 32°F (0°C). Store away from heat.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

### DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes. Wear protective clothing and goggles. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing vapor. Remove contaminated clothing and wash clothing before reuse. Wear chemical resistant gloves and chemical resistant footwear. Wash thoroughly with soap and water after handling.

### Environmental Hazards

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

### For Agricultural Use Only

This product is intended as a source of buffered organic acid. Buyer assumes all responsibility of use, storage and handling of this product. Cargill, Incorporated makes no claims or warranties expressed or implied, except those set forth above, due to conditions and uses by buyer beyond the control of Cargill, Incorporated.

**Product Color Change Will Not Affect Performance**



<b>ACTIVE INGREDIENT:</b>	<b>BY WT.</b>
Propionic Acid .....	77%
<b>INERT INGREDIENTS:</b>	
Ammonium Hydroxide, Acetic Acid, Citric Acid, Water, Colors, Flavors.....	23%
<b>TOTAL .....</b>	<b>100%</b>

## KEEP OUT OF REACH OF CHILDREN

## DANGER

### FIRST AID

<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF SWALLOWED:</b>	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>IF ON SKIN OR CLOTHING:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No.	EPA Est. No. 8596-IA-001
Date of Manufacture: xx/xx/04	Lot No.
Product No.	Code (92940 0403)



Manufactured for: CARGILL, INCORPORATED  
 Minneapolis, Minnesota 55440

**Net Contents: 55 gallons**  
 (Net Weight: 450 LB – 204.11 kg)

ACCEPTED  
 With COMMENTS  
 In EPA Letter Dated:  
 APR 7 2005

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.

3/3