

1352-65

07-13-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Danielle Anderson  
Labeling Technician  
Cargill Animal Nutrition  
P.O. Box 5614  
Minneapolis, MN 55440

JUL 13 2010

Re: **Registration Review** for Promote™ Hay Shield®  
EPA Registration 1352-65  
Decision Number 419774  
Response to EPA/SRRD Email Dated 12/30/08

Dear Ms Anderson:

The Agency is in receipt of your revised label submitted July 13, 2010, and has confirmed the specified language with respect to the baling of hay has been added as requested. As previously noted, this change ensures negligible environmental exposure, and therefore, allows the Agency to proceed with a final registration review decision without data call in for the following:

850.4100 Seedling Emergence, Tier 1  
850.4150 Vegetative Vigor, Tier 1  
830.7050 Ultraviolet/Visible Absorption

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label based on this accepted label before the product is released for shipment.

The Agency has determined that the registrant may distribute and sell propionic acid products bearing old labels/labeling for 12 months from the date of issuance of this letter. Registrants and persons other than the registrant remain obligated to meet existing stocks requirements applicable to products they sell or distribute.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at [westin.robert@epa.gov](mailto:westin.robert@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft".

Erik Kraft  
Acting PM, Team 20  
Fungicide Branch  
Registration Division (7504P)

Enclosure: Label stamped "Accepted"

# Promote™ Hay Shield®\* - Liquid

Organic Acid

A Product That Maximizes Hay Quality for Baled Hay Application

Product Color Change Will Not Affect Performance

Guaranteed Analysis:

ACTIVE INGREDIENT	By wt.
Propionic Acid .....	77.0%

OTHER INGREDIENTS.....	
Ammonium Hydroxide, Acetic Acid, Citric Acid, Water, Artificial Flavors and Colors .....	23.0%

TOTAL .....	100.0%
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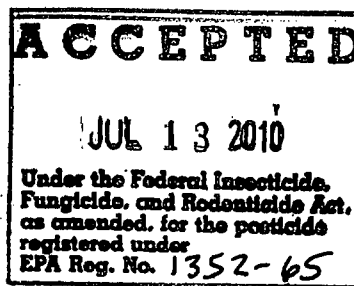
EPA registration No. 1352-65

EPA Est. No. \_\_\_\_\_

Net Weight: \_\_\_\_\_

Manufactured For:  
**CARGILL ANIMAL NUTRITION**  
 General Office  
 Minneapolis, MN 55440 U.S.A.

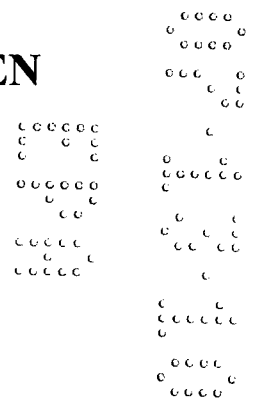
PRM-46 (06/10)



## DANGER - PELIGRO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand this label have someone explain it to you in detail.)

### KEEP OUT OF REACH OF CHILDREN



**FIRST AID:**

**IF IN EYES**

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.

**IF SWALLOWED**

Call a 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.

**IF INHALED**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, mouth-to-mouth if possible.

**IF ON SKIN OR CLOTHING**

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.

**PRECAUTIONARY STATEMENTS:**

**Hazards to Humans and Domestic Animals:**

**DANGER:**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes or on clothing. 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.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant aprons, chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have

been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS:**

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**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 water.

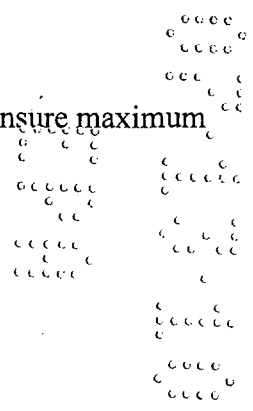
**DIRECTIONS FOR USE:**

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

This product may only be used during the baling process if appropriate baler equipment is used which prevents exposure of non-target organisms to this pesticide product. Do not apply to pre-harvest hay and straw, cut hay and straw in the field prior to baling, or to hay and straw after it has been baled. Apply product to the hay and straw as it is fed into the baler, using the rates on this label. The baler application equipment must prevent drippage and drift, and must function properly and be used/maintained in accordance with the manufacturer's written operation instructions.

**Application:**

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



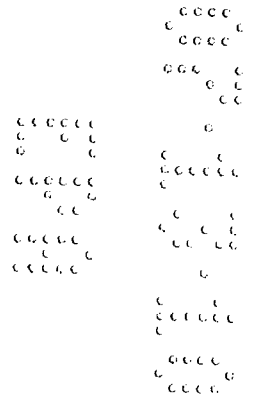
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PROMOTE HAY SHIELD® - LIQUID APPLICATION RATES TABLE  
(LBS. PROMOTE HAY SHIELD/TON)

	BALE TYPE			
Moisture Level	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	Do not bale	5
25%–27%	6.25	7.5	Do not bale	6.25

Important:

- 1) Moisture levels listed for oven drying method.
- 2) For previously rained-on hay or poorly ventilated storage conditions, increase application rates by 3 lbs. per ton.
- 3) Do not dilute Promote Hay Shield®. Do not use if container seal is broken.



**STORAGE AND DISPOSAL:**

Do not contaminate water, food or feed due to improper storage and disposal.

**PESTICIDE STORAGE:**

Protect drums against physical damage. Outside or detached storage is preferred. Bulk storage should be in standard non-flammable liquid storage tanks. Store above 35° F (2°C). Store away from incompatible materials or from sources of ignition. Keep containers tightly closed at all times. Keep out of reach of children.

**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). Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning (stay out of smoke).

**FOR AGRICULTURAL USE ONLY:**

This product is intended as a source of buffered organic acid. To the extent consistent with applicable law 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.

\*Shield® is a registered trademark of KEMIN INDUSTRIES, INC. Used with permission.

rev. 7/13/2010

