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SEP 17 1992

Christopher E. Nelson, Ph.D.  
Kemin Industries, Inc.  
2100 Maury Street, Box 70  
Des Moines, Iowa 50301

Dear Dr. Nelson:

Subject: Amendment - Delete Animal Feed Restriction  
Grain Treet  
EPA Reg No 8596-30  
Your Submission Dated June 4, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below:

- (1) Under Hazards to Humans and Domestic Animals, at the end of the first paragraph, add "Remove contaminated clothing and wash before reuse."
- (2) Under Statement of Practical Treatment, delete "Remove contaminated clothing and shoes at once; wash thoroughly before reuse."

Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

A stamped copy of the subject labeling is enclosed for your records.

Sincerely,

Cynthia L. Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

CONCURRENCES

SYMBOL	H7505C						
SURNAME	C. W. L. 101						
DATE							

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GRAIN TREET®  
PRODUCT 06134

ACTIVE INGREDIENT:

Propionic Acid .....	70.5%
INERT INGREDIENTS: .....	<u>29.5%</u>
TOTAL .....	100.0%

FOR HIGH MOISTURE GRAIN.  
- EASY TO USE

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

Corrosive, causes irreversible eye damage. Do not get in eyes. Avoid contact with skin, eyes or clothing. May be harmful if swallowed or absorbed through the skin.

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.

**Environmental Hazards**

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

**STATEMENT OF PRACTICAL TREATMENT**

**If in eyes:** Immediately flush with plenty of water for at least 15 minutes. Call a physician. **If on skin:** Wash with plenty of soap and water. Get medical attention. Remove contaminated clothing and shoes at once; wash thoroughly before reuse. **If swallowed:** Do not induce vomiting. Rinse mouth immediately with abundant quantities of water, then promptly drink a large quantity of milk mixed with egg whites. If these items are not available, drink as much water as possible. Obtain medical attention immediately.

**WARRANTIES**

The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed.

**PRODUCT COLOR CHANGE WILL NOT AFFECT PERFORMANCE.**

**For Agricultural Use Only.**

**NOTE:**

**GRAIN TREET is not a substitute for good management.**

EPA Registration No. 8596-30

EPA Est. 8596-IA-01

NET WT. 50 lbs (22.68 kg)

## STORAGE AND DISPOSAL

Do not contaminate water or food by storage and disposal.

**PESTICIDE STORAGE:** Store in a warm, dry place above 40° F to prevent freezing.

**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 dispose of in a sanitary landfill, or by incineration if allowed by state and local procedures.

### GUIDES TO GOOD STORAGE

TO SUCCESSFULLY STORE GRAIN, THE FOLLOWING MANAGEMENT STEPS MUST BE FOLLOWED:

1. Remove all leaf, stem and cob particles from grain before storing.
2. Clean all storage buildings and harvesting machinery of old grain and dirt.
3. Wash all interior storage areas, wagons, trucks, rail cars and grain barges with a solution of 8 ounces of Kemin's BIN SWEET in a gallon of water.
4. Treat all high moisture grain with GRAIN TREET. Apply in the form of a spray. Use Kemin's GRAIN TREET Applicator to apply the GRAIN TREET.
5. Treat all grain and interior storage areas with an approved insecticide.
6. Take temperature of the grain daily until grain is properly cooled. Aeration must be available.
7. Kemin's system for the holding of high moisture grain takes careful attention.
8. Treat only whole kernel grains.
9. Do not store treated grain and non-treated grain in the same storage structure.
10. Store treated grain for up to 23 months only.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated.

SEP 17 1992

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

8596-30

**DIRECTIONS FOR USE**

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

GRAIN TREET IS FOR THE SOLE CONTROL OF MOLD AND FUNGI ON GRAINS. USE GRAIN TREET ON CORN, OATS, BARI-EY, WHEAT AND SORGHUM. DO NOT USE ON GRAIN WHICH MIGHT BE USED FOR SEED OR MALTING.

IF GRAIN IS SOLD AT HIGHER MOISTURE LEVELS, GRAIN MAY BE DISCOUNTED DUE TO MOISTURE LEVELS.

GRAIN TREET must be applied in the form of a spray. Use the Kemin applicator. Be sure the applicator is properly calibrated. Use the following tables to determine proper rate of application:

**RECOMMENDED RATE OF GRAIN TREET/TON OF MOIST CORN IN COVERED STORAGE**

<u>Duration of Storage</u>	<u>Moisture Content of Corn, Percent by Weight</u>		
	<u>Up to 18-20%</u>	<u>21 to 30%</u>	<u>31 to 35%</u>
Up to 6 months*	8 lbs or 1 gallon	12 lbs or 1.5 gallons	16 lbs or 2 gallons
Up to 23 months	12 lbs or 1.5 gallons	16 lbs or 2 gallons	20 lbs or 2.5 gallons

\* Not recommended if grain is to be kept in storage beyond May 1.

**RECOMMENDED RATE OF GRAIN TREET FOR OPEN STORAGE OF MOIST CORN**

<u>Moisture Content of Grain, Percent by Wt.</u>	<u>Lbs GRAIN TREET/ Ton Corn</u>	<u>Gals. GRAIN TREET/ Ton Corn</u>
20	15	1.8
22	17	2.0
24	19	2.3
26	21	2.5
28	23	2.8

GRAIN TREET used on moist corn stored in the open shall be limited to the following areas: Nebraska (excluding S.E. corner), Western Kansas, Western Oklahoma, Texas Panhandle, Eastern New Mexico, Eastern Colorado and S.E. Wyoming. All such corn must be fed out before May 1 of the following spring. Acceptable storage areas are bunkers, pits, or slabs with concrete or asphalt floors. Dirt or wooden walls must be lined with plastic. Do not cover the surface. Seal and construct storage areas to prevent water entry and slope floor area for drainage. Store in long, rounded piles. Treatment should be made within four (4) hours of harvest.

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**RECOMMENDED RATE OF GRAIN TREET/TON OF MOIST SORGHUM, WHEAT, OATS OR  
BARLEY IN COVERED STORAGE**

**RATE OF GRAIN TREET FOR COVERED STORAGE OF MOIST GRAINS\***

<u>Moisture Content of Grain, Percent by Wt.</u>	<u>Lbs GRAIN TREET/ Ton Grain</u>	<u>Gals. GRAIN TREET/ Ton Grain</u>
20	15	1.8
22	17	2.0
24	19	2.3
26	21	2.5
28	23	2.8
30	25	3.0
32	27	3.3
34	29	3.5
36	31	3.7

\* These rates protect stored sorghum, wheat, oats or barley up to 12 months.

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