

*Pm 22*

*8596-29*

*Label*

*Page 196*

MAR 16 1993

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 Savor  
EPA Reg No 8596-29  
Your Submissions Dated December 5, 1990 and  
April 24, 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. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Under Environmental Hazards, change the first sentence to: "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

Under Statement of Practical Treatment, underline "If swallowed" and delete "Remove contaminated clothing and shoes at once; wash thoroughly before reuse".

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

**BEST AVAILABLE COPY**

Sincerely,

*Jed*

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

CONCURRENCE							
SYMBOL	H7505C						
SURNAME	D. K. L.						
DATE	3-10-93						

FRONT PANEL  
CENTER COLUMN

GRAIN SAVOR™  
brand  
LIQUID

PRODUCT 04310

A fungicide for control of molds and fungi in stored corn, oats, barley, wheat or sorghum.

Active Ingredient	
Propionic Acid .....	46%
Inert Ingredients .....	54%
Total .....	100%

8.18 lb (3.71 kg) GRAIN SAVOR per gallon.

KEEP OUT OF REACH OF CHILDREN  
DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Causes irreversible eye damage. Do not get in eyes. Wear goggles, face shield, or safety glasses. Avoid contact with skin, eyes or clothing. May be harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Environmental Hazards

Do not apply directly to water or wetlands. 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.

EPA Registration No. 8596-29

EPA Est. 8596-IA-01

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

NET WT. 55 gallons (450 lb - 204.12 kg)

MAR 16 1993

**BEST AVAILABLE COPY**

Under the Federal Insecticide, Fungicide, and Rodenticide Act (716), for the pesticide registered under EPA Reg. No. 8596-29

FRONT PANEL  
LEFT COLUMN

DIRECTIONS FOR USE

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

Read the attached GRAIN SAVOR product insert before any use of this product.

GRAIN SAVOR is a fungicide for control of molds and fungi in stored corn, oats, barley, wheat or sorghum.

Determine the moisture content of harvested grain and treat within four (4) hours of measurement. Do not use less than stated application rates. Application rates are in pounds per ton of GRAIN SAVOR for grain to be stored in covered (weatherproof) storage.

Use the Kemiflo® HS Applicator or Kemin GS Applicator to apply GRAIN SAVOR. Calibrate the applicator using nozzle tips and flowmeter setting so as to apply the following:

<u>Duration of Storage</u>	<u>Moisture Content of Grain Percent by Weight</u>		
	<u>Up to 14.9%</u>	<u>15 - 18%</u>	<u>18.1% - Higher</u>
Up to 6 Months*	2 lbs/ton	4 lbs/ton	Do not use
Up to 12 Months	3 lbs/ton	6 lbs/ton	GRAIN SAVOR

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

Do not treat cereal grains which might be used for seed or malting purposes.

Apply an approved anti-corrosive and acid-resistant coating to all metal and concrete storage surfaces to prevent corrosion.

Storage areas are to be empty and thoroughly cleaned prior to use. Do not store treated grain with untreated grain or forage in the same storage area.

If grain is stored adjacent to untreated grain, or if livestock or poultry is housed within the same facility, line the bin partitions and cover the floor with a moisture barrier (4-6 mil plastic sheet).

Do not place grain on a dirt or fresh concrete floor - use a moisture barrier (4-6 mil plastic sheet).

Do not allow grain fines to localize in any one area in the storage facility in order that moisture absorption will be minimized.

Apply GRAIN SAVOR in such manner as to achieve thorough mixing and coverage of the grain.

Leave the surface of treated, stored grain uncovered to prevent sweating.

**BEST AVAILABLE COPY**

FRONT PANEL  
LEFT COLUMN CONTINUED

Level the surface of stored grain to prevent moisture build-up in the peaks.

Do not treat in the rain - allow rain to soak into the pile and test for moisture content before continuing treatment.

Mechanically aerate the grain in storage in accordance with recommended practices to prevent condensation and moisture migration. See GRAIN SAVOR product insert for specific recommendations.

Monitor the temperature of stored grain. Sharp increases in temperature signal potential spoilage. The use of thermocouples or hand temperature probes is recommended.

Refer to the GRAIN SAVOR product insert when applying GRAIN SAVOR at temperatures lower than 50° F. Product viscosity increases as temperature falls below 50° F.

05482      ™ & ® Trademarks Kemin Industries, Inc. U.S.A.      Code 04308  
Printed in U.S.A.      © Kemin Industries, Inc. U.S.A., 1990      900807jm

**BEST AVAILABLE COPY**

FRONT PANEL  
RIGHT COLUMN

Read the attached GRAIN SAVOR product insert before any use of this product.

GUIDES TO GOOD STORAGE

Good dry-grain management practices combined with GRAIN SAVOR application will help maintain the quality of stored grain.

Suggested dry-grain management:

- 1) Clean All Storage Buildings and harvest machinery of old grain and dirt.
- 2) Minimize Broken Grain, Foreign Materials and Fines during harvest. Broken kernels are more susceptible to spoilage and pockets of fines are prone to develop hot spots. Use a grain spreader during filling to distribute fines.
- 3) Install Temperature Sensors in large grain bins to trace grain heating and cooling cycles and to identify hot spots. Record temperatures weekly to identify gradual heating problems.
- 4) Apply an Approved Insecticide to interior storage areas and all grain.
- 5) Aeration for Temperature Control: Aerate to cool the grain for winter storage, 35-40° F in the Midwest and 30-35° F in the northern Midwest. Begin aeration when outside temperatures are 10-15° F below grain temperature. Aerate to warm the grain in the spring to avoid condensation if summer storage is required.
- 6) Level Peaked Grain to obtain uniform aeration.
- 7) Weekly Observation and Check of Stored Grain: Check grain weekly during spring and fall when rapid outside temperature changes occur. Observe for the following:
  - a) Surface crusting, wet, sticky or frozen grain.
  - b) Past or present roof condensation.
  - c) Under surface heating by thrusting arm into grain.
  - d) Smell for musty or moldy odors in the still bin and when aeration system has been turned on.
  - e) With a rod, feel for hard, compacted or moist masses under the surface.
  - f) Observe for insect infestations. Insect activity increases with moisture accumulation and grain heating.
- 8) Cover Fan Intakes when not in use to prevent rodent access and air draft draw.

TAKE TIME

OBSERVE LABEL  
DIRECTIONS

**BEST AVAILABLE COPY**

STORAGE AND DISPOSAL

Do not contaminate water or food by storage and disposal.

PESTICIDE STORAGE: Store in a warm, dry place above 10° 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.

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 SAVOR is not a substitute for good management.

KEMIN INDUSTRIES, INC., DES MOINES, IOWA U.S.A. 50317

**BEST AVAILABLE COPY**