

PROPOSED GRAIN SAVOR LIQUID

FRONT PANEL,  
CENTER COLUMN

GRAIN SAVOR  
LIQUID

PRODUCT 04310

A fungicide for control of molds and fungi in stored corn, oats, barley, wheat or sorghum to be used for livestock or poultry feed.

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

\* As determined by Kemin GLC acidification method.

KEEP OUT OF REACH OF CHILDREN  
DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Causes eye damage. Do not get in eyes. Wear goggles, face shield, or safety glasses. Avoid contact with skin 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

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. For eyes, call a physician. 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-

EPA Est. 8596-IA-01

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

ACCEPTED  
with COMMENTS  
EPA Field Office

SEP 11 1985

Under  
File  
as  
no  
8596-29

**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**

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 Saver is not a substitute for good management.

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

PROPOSED GRAIN SAVOR LABEL

FRONT PANEL  
LEFT COLUMN

DIRECTIONS FOR USE  
General Classification

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 to be used for livestock or poultry feed.

Determine the moisture content of freshly harvested grain and treat within four (4) hours of harvest. 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:

Duration of Storage	Moisture Content of Grain Percent by Weight		
	Up to 14.9%	15 - 18%	18.1% - Higher
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, malting purposes or human consumption.

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.

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.

Reg no: 8596-29 PM-21, 1977

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>OFFICE OF PESTICIDES PROGRAMS</b> <b>REGISTRATION DIVISION (WH-567)</b> WASHINGTON, D.C. 20460	<b>EPA REGISTRATION</b> 850-209	<b>DATE OF ISSUANCE</b> 7/1/77
	<b>TERM OF ISSUANCE</b> CONDITIONAL	
	<b>NAME OF PESTICIDE PRODUCT</b>	

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

**NAME AND ADDRESS OF REGISTRANT (Include ZIP code)**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_, IA 50301  
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**NOTE:** Changes in labeling formula 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 U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

ATTACHMENT IS APPLICABLE

<b>SIGNATURE OF APPROVING OFFICIAL</b>	<b>DATE</b>
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3. Make the labeling changes listed below before you release the product for shipment.

- a. Add the phrase "EPA Registration No. 8596-29".
- b. Change "causes eye damage" to read: "Causes irreversible eye damage".
- c. Change "Avoid contact with skin..." to read: "Avoid contact with skin, eyes or clothing".
- d. Add to the Statement of Practical Treatment: "if on skin: Wash with plenty of soap and water. Get medical attention.
- e. On the front panel, left column of the label under directions for use, delete "general classification". Propionic acid has not been classified.
- f. Add a statement under the ingredient which states the weight/gallon of product.
- g. In the insert, on pages 8 and 21, delete the references to mycotoxins.
- h. Since "corn" has been changed to "grain" on page 12 of the insert, similar changes should be made on page 13.
- i. In the ingredient declaration delete "\*" and "\* As determined by Kemin GLC acidification method". The percentage declared must be based on our enforcement analytical method.

4. Submit one copy of your final printed labeling 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 for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely,

Susan T. Lewis  
Acting Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (H7505-C)

enclosure