

**DIRECTIONS FOR USE**

It is violation of federal law to use this product in a manner inconsistent with its labeling. KEM PROP is a fungicide for the control of molds and fungi in high-moisture grain. Read the entire label. Use strictly in accordance with precautionary statements and directions for use. Do not use on seed which might be used for seed or malting.

Determine the moisture content of freshly harvested grain and treat within four (4) hours of harvest. Apply treatment at recommended rates dependent upon the moisture content, type and length of storage. Use applicator equipment compatible with propionic acid. Apply in the form of a spray. Monitor the equipment, preservative flow and grain throughput to insure proper application. Use the following tables to determine proper rate of application.

**RECOMMENDED RATE OF KEM PROP PER TON OF MOIST CORN IN COVERED STORAGE**

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

\* Not recommended if grain is to be stored after May 1.

**RECOMMENDED RATE OF KEM PROP PER TON OF MOIST SORGHUM, WHEAT, OATS OR BARLEY IN COVERED STORAGE\*\***

**RATE OF KEM PROP FOR COVERED STORAGE OF MOIST GRAINS**

Moisture Content of Grain, Percent by Weight	Lbs KEM PROP per Ton of Grain	Gals KEM PROP per Ton of Grain
16.....	11.....	1.3
18.....	13.....	1.6
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.

Wood and concrete structures are ideal covered facilities for KEM PROP-treated grain. Do not store in upright tile, stave, or concrete bunker silos, or on the ground in plastic covered piles. Protect metal and concrete surfaces against corrosion. Be sure all concrete or dirt floors are covered with plastic (4-6 mil thickness). Seal and construct pit or trench storage areas to prevent water entry.

**RECOMMENDED RATE OF KEM PROP PER TON OF MOIST CORN IN OPEN STORAGE\*\*\***

Moisture Content of Grain, Percent by Weight	Lbs KEM PROP per Ton of Corn	Gals KEM PROP per Ton of Corn
16.....	11.....	1.3
18.....	13.....	1.6
20.....	15.....	1.8
22.....	17.....	2.0
24.....	19.....	2.3
26.....	21.....	2.5
28.....	23.....	2.8

\*\*\* KEM PROP 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 outdoor storage areas are bunkers, pits, or slabs with concrete or asphalt floors; do not store grain on dirt surfaces. Dirt or wooden walls must be lined with plastic. Do not cover grain surface. Seal and construct storage areas to prevent water entry and slope floor area for drainage. Store in long, rounded piles.



**KEM PROP**

LIQUID

PRODUCT 04333

KEM PROP is a fungicide for the control of molds and fungi in high-moisture grain.

ACTIVE INGREDIENT: Propionic Acid ..... 99.5%

INERT INGREDIENTS: ..... 0.5%

TOTAL ..... 100%

This product contains 8.30 lbs KEM PROP per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**DANGER**

Corrosive: Causes burns and irreversible eye damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid working near high concentrations of spray/mist or vapor.

Use with adequate ventilation. Wear goggles, face shield or safety glasses. Wear chemical-resistant gloves, chemical-resistant aprons and chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used. Avoid breathing vapor or spray/mist. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

FIRST AID

IF IN EYES: Hold eyelids 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 eyes. Call a poison control center or doctor for treatment advice. 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

**KEMIN INDUSTRIES, INC.**

2100 Maury St., Box 70  
Des Moines, IA U.S.A. 50301-0070

EPA Registration No. 8596-24  
EPA Est. 8596-IA-001

24-hr. Emergency Contact: Chemtrec (800) 424-9300

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 a poison control center or doctor. Do not give anything by mouth to an unconscious person. Note to physician: Probable mucosal damage may contraindicate use of gastric lavage.

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

1. Remove all leaf and stem particles from grain before storing.
2. Clean all storage buildings and harvesting machinery of old grain and dirt.
3. Treatment inhibits germination. Do not use on seed which might be used for seed or malting. Grains treated with propionic acid may be classified as 'sample grade' due to odors from chemical treatment.
4. Apply an approved anti-corrosive and acid-resistant coating to all metal and concrete storage surfaces to prevent corrosion.
5. Do not treat in the rain. If rain does fall on untreated grain, allow the rain to soak into the pile and test for moisture content before continuing treatment.
6. Apply in the form of a spray as directed and wear applicator equipment thoroughly with water after each use.
7. Do not mix treated grain and untreated grain or forages in the same storage area.
8. Do not store treated grain on bare dirt floors.
9. Check grain in storage frequently for signs of heating, mold, or moisture build-up on the surface. Aeration must be available.
10. Follow established management practices in the handling and storage of grain.

**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 residue 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 by other procedures approved by state and local authorities.

**WARRANTIES**

The manufacturer makes no warranties, expressed or implied, concerning the 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.

The manufacturer neither makes nor authorizes any agent or representative to make any other warranties, including warranties of fitness for a particular purpose or merchantability, guarantee or representation, concerning this material. This product is sold only on the basis that the buyer assumes all risks of use or handling which result in loss or damage and which are beyond the manufacturer's control.

No claim of any kind, whether or not based on negligence, shall be in greater amount than the purchase price of the material in respect of which such a claim is made. In no event shall manufacturer or seller be liable for special, indirect or consequential damages resulting from the use or handling of this material.

This warranty does not extend to, and the buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings, or cautions. Questions? (800) 777-8307

PRODUCT COLOR CHANGE WILL NOT AFFECT PERFORMANCE FOR AGRICULTURAL USE ONLY

LOT NO. 12345

MFG. DATE: JUL 00

TAKE TIME



OBSERVE LABEL DIRECTIONS

Printed in U.S.A. © Kemin Industries, Inc.

NET WT. 6 gallons (50 LB - 22.68 KG)

8596-24

09/19/2000

1/2

2/2

**ACCEPTED**  
SEP 19 2000  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 8596-24