

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC  
ANIMALS**

**DANGER:** Fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Wear a full-faced black canister face mask pesticide respirator approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under 30 CFR Part II for protection against organic vapor and acid gases. Use nitrile or polyvinyl acetate gloves. Wash thoroughly after using.

Remove contaminated clothing (including shoes) and do not reuse until all fumigant has been removed either by washing or prolonged airing. Do not enter any structure until it has been aired thoroughly (for at least 24 hours) and all fumigant vapor removed. For emergency entry have an approved hose mask or oxygen breathing apparatus available.

This product should be used only by trained personnel thoroughly familiar with all directions and safety precautions provided on this label.

**ENVIRONMENTAL HAZARDS**

Misuse as to quantity, timing or method of application can cause damage or injury to animals, persons, property or crops or cause residues in excess of official tolerances.

**PHYSICAL OR CHEMICAL HAZARDS**

Grain Fumigant #1 classed 1 to 5 less hazardous than paraffin oil in respect to fire hazard.

**AVOID CONTACT WITH FLAME OR  
HOT SURFACES.**

**DIRECTIONS FOR USE**

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

**RE-ENTRY STATEMENT**

Do not enter any treated structure until it has been aired for at least 24 hours

**STORAGE AND DISPOSAL**

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal

**Pesticide Disposal:** Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act

**Container Disposal:** Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State and local procedures

**General:** Consult Federal, State or Local disposal authorities for approved alternative procedures.

**KAW VALLEY**

**GRAIN FUMIGANT**

**# 1**

**KILLS ALL STAGES:** Granary Weevil, Rice Weevil, Lesser Grain Borer, Angoumois Grain Moth, Indian Meal Moth, Sawtooth Grain Beetle, Mediterranean Flour Moth, Confused Flour Beetle, Black Carpet Beetle, Cadelle.

**ACTIVE INGREDIENTS:**

	BY WEIGHT	BY VOLUME
Carbon Tetrachloride	81.3%	80.0%
Carbon Disulfide	12.1%	15.0%
Ethylene Dibromide	6.6%	5.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>

U.S. Patent No. 2,391,890

**Keep Out of Reach of Children**

**DANGER  POISON**

**STATEMENT OF PRACTICAL TREATMENT**

**If swallowed** - call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**If inhaled** - remove to fresh air. Call a physician at once. Keep patient warm and quiet. If breathing stops, apply artificial respiration.

**If on skin** - wash thoroughly with soap and water.

**If in eyes** - rinse with water for 15 minutes and get prompt medical attention.

**SEE SIDE AND BACK PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

NET CONTENTS

GALLONS ( Liters)

EPA Reg. No. 44215-60

EPA Est. No.

P. O. Box 285  
Lansing, Kansas 66043

**KAW  
VALLEY**

**ACCEPTED**

NOV 22 1982

Registered under  
EPA Reg. No. 44215-60

The following  
recommended  
normal tre  
grain sho  
high moist  
below sho  
gallon per  
grain; see  
to be Use

GALLON

TYPE BIN

Steel or  
Concrete

Wooden Bins

Flat Storage  
Building

SPECIAL  
TO BE U

These pre  
to avoid g

1 Do not  
grain is let  
than 10%

2. The gra  
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## AMOUNTS TO USE

The following dosages are recommended for satisfactory results under normal treating conditions only. When grain shows heavy infestation or is of high moisture content the dosages listed below should be increased from 1/2 to 1 gallon per 1000 bushels (except for seed grain; see Special Precautions for Grain to be Used for Seed Purposes).

**DOSAGE TABLE**

GALLONS PER 1000 BUSHELS OF GRAIN			
TYPE BIN	WHEAT OATS	GRAIN SORGHUM	CORN
Steel or Concrete	1 1/2	6	4
Wooden Bins	3	8	6
Flat Storage Building	3	8	6

## SPECIAL PRECAUTIONS FOR GRAIN TO BE USED FOR SEED PURPOSES

These precautions must be followed in order to avoid germination reduction:

- 1 Do not apply unless moisture content of grain is less than 12% and preferably less than 10%.
- 2 The grain temperature during the exposure period should be between 65° F and 85° F.
- 3 The fumigant exposure period must not be more than 24 hours. Provision must be made to remove the fumigant by aeration immediately after the 24-hour exposure. This may be accomplished in tight structures by the use of aeration fans, and in loosely constructed storages by breaking all seals applied when preparing for fumigation. Do not fumigate low viability seed grain, as germination may be further reduced.

## COUNTRY ELEVATOR, FLAT STORAGE AND BOXCAR APPLICATION

### Before Fumigation

First—Make grain bin airtight as possible. Close all cracks and openings in walls and floor of bin. Seal all crevices with heavy paper. Plug holes with tightly packed wet newspapers or sacks.

Second—Remove crusted and molded layers from the surface of the grain. Level grain and keep surface six inches below top of bin.

### COUNTRY ELEVATOR BINS

#### (Open or Closed Top)

Apply when bin is being filled with grain or during grain turning. Pour fumigant rapidly, directly on the grain stream as it enters the bin to avoid gas loss. Apply an extra 1 to 2 gallons to the first 500 bushels of grain entering the bin and an extra 2 gallon dosage to the grain surface after the bin is filled. Apply regular required dosage so timed that an application is made for each 10 feet of bin height filled. Application may be made from this container, a bucket, a sprinkling can with sprinkler removed, or any other method that will give a quick addition to the needed volume. **TO AVOID EXCESSIVE LOSS OF GASES, DO NOT FOG, SPRAY OR SPRINKLE ON GRAIN. AVOID TOXIC GASES. DO NOT ENTER BIN DURING OR AFTER TREATMENT. USE A GAS MASK FOR VOLUME APPLICATIONS.** Seal bin immediately after treatment and allow at least 72 hours for results (except for seed grain; see Special Precautions for Grain to be Used for Seed Purposes).

### FLAT STORAGE BUILDINGS

#### (Quonset Huts, Airplane Hangars, Old Buildings)

This type of grain storage is best treated by evenly wetting the grain surface with the required dosage. Heavier dosages usually are applied to "grain peaks" which cannot be eliminated by mechanical leveling. Due to the large quantities of grain usually involved, power pump application is generally used. Gas masks should be used if application must be made from inside the building.

Always have someone on hand to assist in case of accident. If it is necessary to enter the bin or space already under fumigation, the assistant should stay outside.

### BOXCARS

To help prevent damage to grain in transit from infested boxcars, use 5 to 6 gallons of Fumigant No. 2 per boxcar. Seal car tightly. For best results, boxcars should remain sealed for a minimum of 48 hours (except for seed grain; see Special Precautions for Grain to be Used for Seed Purposes).

### MILL AND TERMINAL APPLICATION

Apply when bins are being filled or turned. Apply fumigant as close to the bin being filled as possible to avoid excessive vaporization. Pour fumigant as rapidly as possible directly on the grain stream as it enters the bin. Apply necessary amount at intervals so that an application is made once for each twenty feet of bin height filled. An additional two gallons should be added to the first and last 500 bushels entering the bin. Close all openings after application and allow a minimum of 72 hours for best results (except for seed grain, see Special Precautions for Grain to be Used for Seed Purposes). Better results are obtained if treated grain is left undisturbed for longer periods. **AVOID TOXIC GASES. DO NOT ENTER BIN DURING OR AFTER TREATMENT.** Inspect treated grain monthly for signs of reinfestation and re-treat as needed.

Fumigated areas must be placarded on all entrances with signs containing at least the signal word **DANGER** and the "Skull and Crossbones" and the words "Area under fumigation, do not enter until completely aerated", the date of fumigation, name of the fumigator used, emergency telephone number for contact, and the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely aerated and safe for entry, as indicated by a suitable detector.

NOV 22 1982  
Under Federal Insecticide, Fungicide, and Rodenticide Act  
Registered under EPA Reg. No. 4415-60