



**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 and Conditioner classed 50 to 60 between alcohol (ethyl) and kerosene 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  
and CONDITIONER**

**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, Cadelle, Black Carpet Beetle.

**ACTIVE INGREDIENTS**

Ethylene Dichloride	100.0%
Carbon Tetrachloride	64.6%
Ethylene Dibromide	27.4%
Sulphur Dioxide	5.0%
	3.0%

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. 44215-58

EPA Est. No.

Manufactured by:

P. O. Box 285 Lansing, Kansas 66043	 <p><b>KAW VALLEY</b></p>
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**ACCEPTED**

NOV 22 1982

EPA Reg. No. 44215-58

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**Gal**

**Type Bin**

**STEEL AN CONCRE**

**WOODEN**

**FLAT STORAGE**

**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.

**FARM BIN APPLICATION**

**Before Fumigation:**

FIRST—Make grain bin as airtight as possible. Close all cracks and openings in walls and floor of bin. Seal all crevices with heavy paper. Plug holes with lightly 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

**How To Apply:**

Apply fumigant directly to surface of grain in a wet, coarse, fan-shaped stream. Best results are obtained by distributing the fumigant rapidly and evenly over entire surface of grain. If possible, fumigant should be applied from outside of bin. Seal bin after application. Inspect every thirty days for reinfestation and re-treat as needed.

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 Grain			
Type Bin	Wheat, Oats, Rice	Corn	Grain Sorghum
STEEL AND CONCRETE	2	4	6
WOODEN	3	6	8
FLAT STORAGE	3	6	8

**ELEVATOR APPLICATION**

**How To Apply:**

Apply fumigant when bin is being filled with grain, or during grain turning. Pour fumigant directly onto the grain as it enters the bin. Apply at intervals so that an application is made for each ten feet of bin height filled. Add an extra 2 to 4 gallons to the first and last 500 bushels entering the bin. Seal the bin after application. Don't move treated grain for 72 hours (except for seed grain; see Special Precautions for Grain to be Used for Seed Purposes). Inspect treated grain every month for signs of reinfestation and re-treat as necessary.

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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 fumigant 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.

**GRAIN CONDITIONING**

To help prevent corn damage due to heating and localized increased moisture caused by grain insects, apply 2 gallons fumigant on top of load, allowing to remain in car while on way to market.

To help remove odors from boxcar before loading, splash or sprinkle 1 gallon fumigant into car, close tightly, and let stand overnight. Thoroughly ventilate before loading.

NOV 22 1982

Approved for sale under the Fungicide, Insecticide and Plant Growth Regulator Act of 1947, as amended. For this pesticide use only.

Product No. 44255

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NET CONTENTS

GALLONS ( Liters)

EPA Reg. No. 44215-58

EPA Est. No.

Manufactured by:

P. O. Box 285  
Jensing, Kansas 66043

**KAW  
VALLEY**

**ACCEPTED**

NOV 22 1982

Federal Insecticide, Fungicide and Rodenticide Act  
as amended, for the pesticide  
used under  
EPA Reg. No. 44215-58

**SPECIAL PRECAUTIONS  
TO BE USED**

These precautions are to be used to avoid germination of grain. Do not apply to grain with less than 12% moisture. The grain temperature during the fumigation period should be maintained below 60°F. The fumigation should not exceed 24 hours. Remove the fumigant after the 24-hour period by running the fans in tight bins, and in loose bins by breaking all seals. Do not enter the bin after fumigation. Do not use grain as germinal seed.

**FARM STORAGE**

**Before Fumigation**

**FIRST**—Make sure bin is dry. Close all cracks and openings. Seal all crevices with tightly packed cotton.

**SECOND**—Remove grain from the surface of the bin. Fumigate surface six inches deep.

**How To Apply:**

Apply fumigant to grain in a coarse, fan-shaped pattern. Distribute evenly over entire surface. Fumigant should be applied in a continuous stream. Seal bin after application. Do not enter bin for 3 days for reinfestation.

The following conditions are necessary for satisfactory results: Relative humidity must be 75% or higher. Temperature must be below 60°F. Do not fumigate more than 1000 bushels (total) per bin (see Special Precautions for Purposes).

Gallons	
Type Bin	
STEEL AND CONCRETE	
WOODEN	
FLAT STORAGE	

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U.S. Federal Insecticide, Fungicide and Rodenticide Act. All registered for the pesticide used under EPL Reg. No. 44015-5