



KAW VALLEY

GRAIN FUMIGANT and SPOT TREATMENT

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapor. 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 11 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 Spot Treatment 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 rinse 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.

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	100%
Carbon Tetrachloride	63.6%	60.0%	
Ethylene Dichloride	29.2%	35.0%	
Ethylene Dibromide	7.2%	5.0%	

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

Keep Out of Reach of Children

DANGER  POISON

STATEMENT OF PRACTICAL TREATMENT

Swallowed—call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by reaching 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. 44215-59

EPA Est. No.

P O Box 285
Lansing, Kansas 66043

**KAW
VALLEY**

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NOT FOR HOME USE

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. 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.

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.

DOSAGE TABLE

GALLONS PER 1000 BUSHELS GRAIN

Type Bin	Wheat, Oats Rice	Grain Sorghum	Corn
Steel or Concrete	2	6	4
Wooden Bins	3	8	6
Flat Storage Bldg	3	8	6

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.

HOW TO APPLY

COUNTRY ELEVATOR CRIB 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 one to two gallons to the first 500 bushels of grain entering the bin and an extra two-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 of 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.

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 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 product per boxcar. Seal car tightly. For best results, boxcar should remain sealed for a minimum of 48 hours.

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.

SPOT TREATMENT

Apply this product at monthly intervals to mill machinery. Prior to treatment, mills should be run dry, stockings on all sifters should be sealed. Treat sifters during repair operations. After the sieve cloths have been repaired, but before they are replaced, pour 1/2 pint of Spot Fumigant into each dead outlet.

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.

MONTHLY TREATMENT

Machinery	Application Point	Rate
Elevator Boots--	Through hole drilled in boot	3/8 pt. each
Reel and Purifier Conveyors--	Pour along entire length	3/8 pt. each
Conveyors--	Over entire length	1/2 pt. per 6 ft. of length
Empty Bins--	Inside bin near top	2 pts. per 500 ft. capacity
Dust Trunks--		1/4 pt. per trunk
Bran and Shorts Dusters--		
	Hand hole at top or any opening	1/4 pt. each
Spouts--	Into hand slides	2 oz. each
Rolls--	Into Spouts above	3/8 pt. each
Elevator Heads--	Pour on surface inside	1/4 pt. each

This product is composed of highly volatile materials which form toxic gases. For maximum effectiveness, tightly seal bins, boxcars and other areas to be treated. After exposure, air the enclosures for at least 24 hours. Temperatures of 80° F. or above are optimum for fumigation.

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Order in this office
and Rodenticide
is issued for this pesticide
infested under
No. 44-51744