

ZEP-O-FUME GRAIN MILL FUMIGANT

For the Control of Mill Insects in Mill Machinery and Stored Grain

ACTIVE INGREDIENTS 100%

Ethylene Dichloride
Carbon Tetrachloride

ZEP-O-FUME GRAIN MILL FUMIGANT controls granary weevil, rice weevil, lesser grain borer, saw-toothed grain beetle, confused flour beetle, red flour beetle, capelle beetle, indian meal moth, Mediterranean flour moth, Angoumois grain moth, flat grain beetle, pea weevil and bean weevil infesting mill machinery and stored grain.

MILL MACHINERY: The regular and systematic use of ZEP-O-FUME GRAIN MILL FUMIGANT will control insect infestation in elevators, elevator boots and heads, conveyors, purifiers, reels, rolls, sifters, sprouts and other mill machinery. Inject ZEP-O-FUME GRAIN MILL FUMIGANT into reels and purifiers at the rate of 16 to 20 ounces per conveyor, 12 to 14 ounces in each sifter section. Apply 2 to 3 ounces per linear foot of flour conveyor, 12 to 14 ounces in each elevator leg and 6 to 8 ounces for each floor height of elevator. Repeat as often as necessary.

Machinery should be cleaned as much as is practical before treatment. Rigorous sanitation throughout the mill will aid materially in reducing insect infestation.

STORED GRAIN

DOSAGE: Tightness of the bin, type and volume of grain, and grain temperature and moisture content are among the factors that must be considered in deciding on dosage to use. The dosage indicated below gives minimum dosage for average conditions. Consult your State Agricultural Experiment Station or State Extension Service Specialists for specific advice.

APPLICATION: For best results grain surface must be level and at least 6 inches below the sides of the bin. Grain temperature should be above 60°F., because at lower temperatures insects are inactive, and the fumigant itself is less effective. The fumigant must be distributed evenly over the surface of the grain; this can be done by spraying it through a length of 1/8 inch pipe without a nozzle. Stand outside the bin if at all possible to avoid breathing the vapors. If the job must be done from inside, wear a gas mask equipped for protection against organic vapors and WORK FAST. Then seal the bin as tightly as possible and leave it undisturbed for 3 days to a week.

ELEVATOR STORAGE: Treat grain when it is first put into bins or is being turned from one bin into another. Apply proper amount of ZEP-O-FUME as shown by the dosage indications, dumping or pouring it into the bin and bottom drafts. Drafts should not exceed ten feet or bin depth. Give top and bottom drafts a double dose each. Grain in storage over winter may require RE-TREATMENT as recommended below.

RE-TREATMENT: Need for re-treatment is shown by the presence of insects and by overheating of grain caused by insect activity. In heavily infested bins a damp moldy layer may extend from an inch to several feet below the surface. Break up this layer thoroughly before fumigating or it will prevent proper penetration of the fumigant. If the layer is scrouthing and very solid, remove it and stir the surface of the grain before fumigating.

DOSAGE:

(Gallons ZEP-O-FUME GRAIN MILL FUMIGANT per 1,000 bushels).

	Wheat, Rye Barley	Oats, Corn
Concrete and Steel Elevators	3	6
Wooden Bins or Elevators	8	8

NOTE: Bins holding slightly less than 1,000 bushels should receive the same dosage as recommended for 1,000 bushels. Small lots may be treated by thoroughly saturating the surface with fumigant.

· DANGER : POISON ·
KEEP OUT OF THE REACH OF CHILDREN.

May be fatal if swallowed or inhaled. Avoid contact with flame or hot surface. Do not use ZEP-O-FUME more often or at higher concentrations than recommended by your local agricultural authorities. If grain is covered after treatment, remove the cover at the end of the week.

Do not use containers or handling equipment of aluminum, magnesium or their alloys, as under certain conditions ZEP-O-FUME may be severely corrosive to such metals.

Partial evaporation leaves a flammable liquid. Keep container tightly closed except when withdrawing fumigant. Store ZEP-O-FUME in tightly closed containers in a cool location away from dwellings.

HAZARDOUS VAPOR AND LIQUID MAY BE FATAL IF INHALED OR SWALLOWED. Use only with adequate ventilation. Do not breathe vapor. Avoid contact with skin, eyes and clothing.

Provide adequate ventilation in all treating areas, workrooms or other places where ZEP-O-FUME is measured out or transferred to other containers, or where vapors may be present from treated grain.

During application or re-entry of treated areas, wear a fullface mask with black canister meeting the specifications of the U. S. Bureau of Mines for Organic Vapors on an airline respirator.

Do not use fumigated material or feed it to livestock until all fumigant odors have been removed by aeration.

Do not re-use empty container. Containers smaller than drum size should be destroyed by perforating or crushing, then discarded in a safe place away from water supplies.

Drums may be returned to drum reconitioner or destroyed as above.

FIRST AID - ANTIDOTE: Move patient to fresh air if atmosphere is contaminated. Apply artificial respiration if not breathing. If swallowed: if conscious, induce vomiting by giving a tablespoonful of salt in a glass of warm water and repeat until vomit is clear. Call a physician.

For skin contact, flood area with water. For eyes, flood with fresh water at least 15 minutes. Contact Physician.

E. P. A. Reg. No. 1270-164-AA

Net Contents

Gals.

MANUFACTURED BY

ZEP MANUFACTURING COMPANY
Atlanta, Georgia 30301

Plants and Offices from Coast to Coast
U.S.A./Canada/Mexico