

SOIL FUMIGATION DIRECTIONS

The following are general instructions of the use of Meth O Gas for soil fumigation to be used as preplanting soil treatment in seed beds or transplant beds for the production of transplants only.

SOIL FUMIGANT USES. Meth O Gas is an effective soil fumigant for the control of nematodes, weed seeds and certain soil borne disease causing fungi. In seed beds and potting soils it contributes to a maximum production of healthy, vigorous tobacco, vegetable transplants, nursery and forest tree seedlings. Where "slips," "cuttings," "spuds" or seeds are used as in greenhouses, nurseries, golf greens, lawns and ornamental gardens, healthy and vigorous rooting is established quickly.

SOIL PREPARATION. Plow or otherwise work soil to a fine tilth. Add fertilizer, manure or compost, work in well. Soil should be moist and friable for best results. Do not fumigate when soil is dry or excessively wet.

WARNING. Do not fumigate when soil temperature is below 50° F. Meth O Gas use in vegetable beds is limited to the production of transplants only.

EXPOSURE PERIODS. Expose for 48 hours when soil temperature is between 50° F. and 60° F. and for 24 hours when above 60° F.

DOSAGE. For most purposes use 1 lb. of Meth O Gas for each 100 sq. ft. of soil to be treated.

WHEN TO PLANT. After the exposure aerate soil for 3 days before seeding or 5 to 7 days before setting out vegetative growth.

APPLICATION OF METH-O-GAS. The liquid method consists of conveying the liquid methyl bromide through a plastic tube from the cylinder

TREE AND VINE SITE FUMIGATION DIRECTIONS

CITRUS SOIL FOR CONTROL OF PHYTOPHTHORA AND CITRUS NEMATODES IN FLORIDA SANDY SOILS. This is a preplant or replant treatment. Trees which are planted in this treated soil will not have harvestable fruit for a period of at least 24 months. Apply with chisels spaced 12 inches apart to a depth of 6 to 8 inches. Seal fumigant with a drag or cultipacker immediately behind chisels. Apply at the rate of 1 lb. 100 sq. ft. Cover with a 4 mil tarp and expose to fumigation for 96 hours. Will control disease to a depth of 4 feet. Aerate 2 weeks before setting transplants in treated area.

CONTROL OF ARMILLARIA MELLEAE OAK ROOT FUNGUS ON DECIDUOUS FRUITS AND NUTS. CITRUS AND VINEYARDS.

DOSAGE AND METHOD OF APPLICATION. This is a preplant or replant treatment. Crops which are planted in this treated soil will not have harvestable fruit for a period of at least 24 months. Meth O Gas and dosage of application are as follows:

1. After the soil has been properly prepared, inject 2 pounds of Meth O Gas per 100 sq. ft. by chisel application spaced 48 inches apart to a depth of 36 inches. Covered with adequate polyethylene film seal, it will control *Armillaria melleae* oak root fungus in grape vineyards, citrus groves, and all deciduous fruit tree orchards on a preplant or replant basis. Do not apply to soil where trees or vines will bear fruit within 24 months.

2. **DEEP INJECTION AUGER PROBE TREATMENT.** 36 inches or more below the surface of the soil will effectively control *Armillaria melleae* oak root fungus in grape vineyards, citrus groves, and all deciduous fruit tree orchards. Use one pound of Meth O Gas per injection site in lighter soils, two pounds of Meth O Gas in fine textured soils. There is one (1) injection site per 100 sq. ft. in a 10 ft. x 10 ft. grid pattern with the injection in the center of the area to be treated.

PREPARATION FOR APPLICATION. To obtain the maximum control of *Armillaria melleae* with methyl bromide, the soil in the area

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification

METH-O-GAS®

ACTIVE INGREDIENT:

Methyl bromide 100%



DANGER

**KEEP OUT OF REACH OF CHILDREN
POISON**

DO NOT INHALE VAPORS • SEE ANTIDOTE & WARNINGS ON SIDE PANEL

ACCEPTED

1978

5785-41

NET WEIGHT LBS

EPA Reg. No. 5785-41-AA

GENERAL FUMIGATION DIRECTIONS

For specific information on dosage, uses, insect problems, procedures, or safety precautions, consult Great Lakes Chemical Corporation.

This fumigant may be used in box cars, warehouses, fumigation vaults, food and cereal mills, ships and bulk grain storages. Do not fumigate if grain moisture is high, or if grain temperature is low (below 60° F.) or if there is excessive dockage.

INSECTS CONTROLLED. Granary weevil, grain beetle, rice weevil, cadellies, mites, bran bugs, grain borers, mealworms, Indian meal moth. Kills insects in all life stages. Kills rats and mice in the fumigated area.

SPACE FUMIGATION. The usual dosage rate for each 1000 cu. ft. will range from 1 to 3 lbs., 12 to 24 hours exposure, depending on tightness of structure and kind and amount of commodity in storage.

BULK GRAIN DOSAGE RATES (General) above 65° F.
Shelled corn 2 lbs. each 1000 cu. ft.
Wheat (similar small grains) 3 lbs. each 1000 cu. ft.
Milo (gram sorghum) 4 lbs. each 1000 cu. ft.

Extinguish all flames such as pilot lights and glowing heating units to avoid corrosion.

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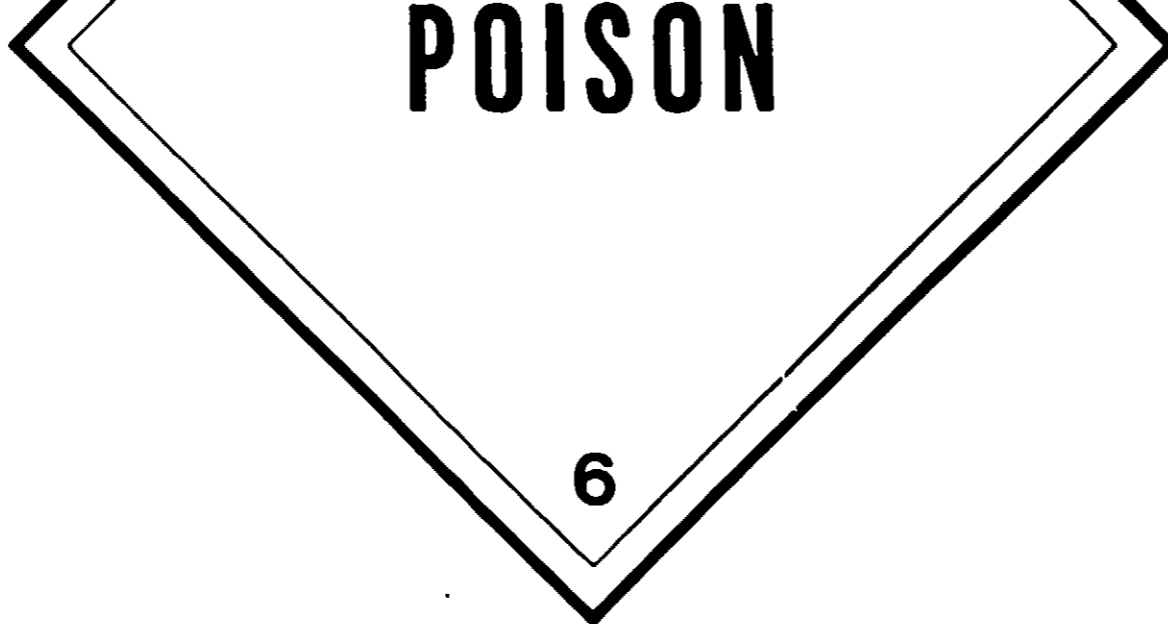
Shelled corn	2 lbs. each 1000 cu. ft.
Wheat (similar small grains)	3 lbs. each 1000 cu. ft.
Milo (grain sorghum)	4 lbs. each 1000 cu. ft.

CAUTION Extinguish all flames such as pilot lights and glowing heating units to avoid corrosion.

Do not use dosages higher than recommended as this may in some cases result in residues in excess of those permitted. Do not fumigate food products other than those specified in directions.

Remove the following materials from building before fumigation as they may develop undesirable odors: furs, high protein flour and cereals, horsehair articles, iodized salt, patent leather articles, rubber goods, sulfur-containing compounds or synthetic detergents.

WARNING The black canister, for protection against organic vapors, should be used with a full faced gas mask when releasing gas in buildings and when opening up for aeration after fumigation. Use halide leak detector to determine thoroughness of aeration.



POISON

ANTIDOTE

- Remove victim to fresh air immediately
- Keep victim lying down and warm.
- Give artificial respiration if breathing has stopped.
- Call a physician immediately.

DANGER

Warning: Poisonous liquid and vapor

- Vapors can be fatal if inhaled.
- Contact with methyl bromide can cause burns.
- Do not get in eyes, on skin, or on clothing.
- In case of contact wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothes and shoes immediately and thoroughly aerate before re-use
- Harmful or fatal if swallowed
- Get medical attention.

CAUTION

- Be sure container is closed completely. Store in a cool, well-ventilated place
- Empty cylinders should be returned freight collect to Great Lakes Chemical Corporation's location from which this shipment was made. If questions arise consult local sales office.