



NAMCO®

PATHOFUME® B

A PREPLANT SOIL FUMIGANT

For Control of Diseases, Nematodes, Soil Borne Insects
and Some Weeds and Weed Seeds

ACTIVE INGREDIENTS

Methyl Bromide	67%
Chloropicrin	33%

Weight per gallon 14.3 lb.

This product applied as a preplant soil treatment will aid in the control of the following soil-borne pests: wireworms, nematodes (meadow or lesion, root-knot, citrus, sting stubby-root, dagger, cyst formers); soil diseases (Verticillium and Fusarium wilts, damping off); some broadleaf and grassy weeds and their seeds.

EPA Reg. No. 5316-22-AA

See antidote statement and other precautions on the back/side panel

CONTENTS POUNDS NET

MANUFACTURED BY

NAMCO CHEMICALS

(A Subsidiary of Allied Equities Corp.)

765 Landess Avenue, Milpitas, California

ACCEPTED
JAN 8 1974

CAUTION: NOTE CAREFULLY: Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests made after fumigation. To avoid ammonia injury or nitrate starvation, or both, to crops, avoid fertilizers containing ammonium salts and use only fertilizers containing nitrates, until after the crop is well established and the soil temperature is above 65°F. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

USE PRECAUTIONS

Undesirable concentrations of chloropicrin following soil fumigation with this material may drift to nearby areas. If this occurs immediately cover treated area with a plastic tarpaulin. The tarpaulins should remain in place overnight and be removed during the daytime. If the escaping vapors reach an undesirable concentration, as indicated by eye irritation, the treated areas should be recovered. Since air movement assists the dilution of the escaping fumes it is most likely that undesirable concentrations will build up during evening or nights when the air is static. Application of this material should not be made when there is little or no air movement or when there is an inversion.

DANGER

- Highly Volatile • Vapor Extremely Hazardous
- Liquid Very Injurious To the Skin and Eyes
- Penetrates Many Types of Protective Clothing
- Do Not Breathe Vapor • Use Only as Directed
- Do Not Get in Eyes, on Skin, or on Clothing or Shoes
- Store in Cool Place
- Poisonous Liquid—Skin Contact May Cause Burns

SEND FOR A DOCTOR IMMEDIATELY IN CASE OF POISONING

FIRST AID: If inhaled, Get victim into fresh air. Have him lie down and keep warm and quiet. Give artificial respiration if breathing has stopped. Call a physician immediately.

If liquid gets into the eyes, wash immediately with plenty of water for at least 15 minutes and obtain medical attention promptly. If liquid gets on skin, wash the contaminated area promptly with soap and plenty of water. If liquid gets onto clothing or shoes, remove at once and do not re-use until completely free of the fumigant. Wear goggles and protective clothing of polyethylene when handling. Do not wear rubber clothing. Wear a full-face gas mask with black canister suitable for organic vapors, as specified by U. S. Bureau of Mines.

Not for use or storage in or around the home. Do not store near feed or food products.

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

NOTICE

Return empty container to manufacturer. Be sure to replace caps and plugs before shipment.

NOTICE: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonable to Seller, and Buyer assumes the risk of any such use.

Apply only as specified on this label.

Treated land may be planted to:

Strawberries and tomatoes;

Ornamentals, floral crops and turf;

Fruit trees, vegetables, and field crops which will be transplanted—and grown to maturity—in untreated soil.

TREATMENT PREREQUISITES

SOIL PREPARATION: To facilitate fumigant penetration, plant refuse should be worked into the soil and time allowed to decompose before treating. Soil must be in good workable seed bed condition, warm, preferably 50 to 80 F. at a depth of 5 inches. Do not treat if the soil temperature is below 45 F. at the 5 inch level.

IRRIGATION REQUIREMENT: Land to be fumigated should be well irrigated 5 to 10 days prior to fumigation, and worked to seed bed condition just prior to treatment, to insure uniform moisture from surface to depth which control is desired.

APPLICATION AND DOSAGE

APPLICATION: Apply PATHOFUME B by means of chisels spaced no more than 12 inches apart and at a depth of 4 to 6 inches below the soil surface. Seal the fumigant into the soil at the time of application with an automatic tarp layer using .001 gauge polyethylene film. If an automatic tarp layer is not available, roll or cultipack immediately behind chisels and then cover with a gas tight tarpaulin within 30 minutes. Remove the tarpaulin after 48 hours. Allow the soil to aerate 10 to 14 days before planting. NOTE: To avoid possible illegal residue allow an aeration period of at least two weeks when transplants of strawberries and tomatoes for crop production are set in fumigated fields. Do not plant if any PATHOFUME B is indicated in the soil by odor or eye irritation.

Cylinders containing PATHOFUME B are not pressurized and require pressurization with dry nitrogen during application.

DOSAGE: Use 250-350 pounds PATHOFUME B per acre depending on soil conditions, weather, and the pest involved. Dosages in the higher ranges should be used in areas with severe disease and nematode infestations, when soil temperatures are low, and in heavy soils.

Planting Area:	Pounds of Fumigant Per Acre
Seed or transplant beds and nurseries	250-350
Ornamentals in general	
Forest, shade and fruit trees	
Strawberries, and vegetables	
Field plants of agricultural crops, Tomatoes and strawberries	
Permanent and field plantings Ornamentals in general and turf	

To avoid reinfestation of treated soil, do not use transplants, tools, or crop remains that could carry soil-borne plant parasitic pests from infested land. Clean applicator carefully before and after use. Be especially careful when applying this fumigant near dwellings or in areas where prized plants are growing. Avoid application in such areas, especially when there is little or no air movement.