



VAPAM SOIL FUMIGANT

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS. Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers.

Vapam is an easy-to-use water solution of a highly effective soil fumigant. It can be used prior to planting a lawn or when preparing a new flower bed, etc., for control of weeds, certain nematodes which attack plants, and common soil inhabiting plant disease fungi.

Vapam when properly applied as a water solution, is a highly effective soil fumigant. Vapam releases a gaseous fumigant in the soil which later dissipates, leaving the soil ready for planting.

Weeds Controlled Annual Bluegrass, Bermudagrass, Chickweed, Dandelion, Watergrass, Johnsongrass, Nutgrass, Henbit, Ragweed, Lambsquarters, Pigweed, Wild Morning Glory, Purslane. Diseases Controlled: Rhizoctonia, Pythium, Phytophthora, Verticillium, Sclerotinia, Oak Root Fungus, Club Root of Crucifers. NEMATODES SYMPHYLIDS (Garden Centipedes).

NOTICE Buyer assumes all responsibility for safety and use not in accordance with directions.

WARNING This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

CAUTION Keep out of reach of children. Keep children and pets out of treated areas. Avoid breathing or swallowing. Irritating to eyes, nose, throat and skin. In case of breathing vapor or spray mist. Do not get in eyes. In case of contact with skin, immediately remove contaminated clothing and flush with plenty of water and apply soothing treatment. In case of contact with eyes, flush with water at least 15 minutes and get medical attention. Wash clothing or shoes before reuse. When applying in enclosed areas wear a mask or respirator of a type approved by the U.S. Bureau of Mines for Vapam. Do not store below 0 degrees Fahrenheit. Do not store in food and feed. Keep off of desirable lawns and plants. Do not use within 10 feet of drip line of trees and shrubs. Do not use in greenhouses. Wash hands and face. When container is empty wash thoroughly and destroy this label.



Occidental Chemical Company

Occidental Petroleum Corporation
P.O. Box 1000, San Francisco, Calif. 94111



Professional Grade

FOR PROFESSIONAL TURF AND GROUNDS MANAGERS

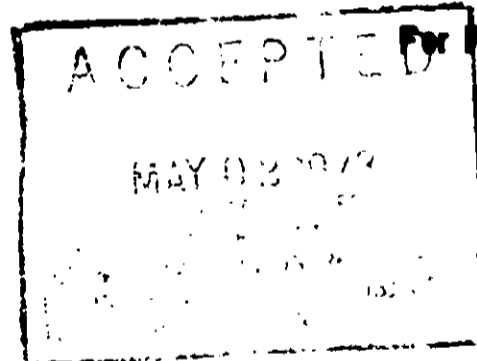
Vapam[®] Soil Fumigant

READ THIS LABEL CAREFULLY

ACTIVE INGREDIENT:
Sodium Methyldithiocarbamate (Anhydrous)* ----- 32.7%
INERT INGREDIENTS: ----- 67.3%
(3.18 lbs. Sodium Methyldithiocarbamate)

*U.S. Pat. Nos. 2,766,554; 2,791, 605

Vapam registered trademark of Stauffer Chemical Company



For Preplanting Control of Certain:

WEEDS
NEMATODES
DISEASES

NET CONTENTS
5 GALLONS

E.P.A. Reg. No. 7001-161-AA

PRODUCTS FOR:
INDUSTRY
SCHOOLS
HIGHWAYS
GOLF COURSES
PARKS
CEMETERIES
ATHLETIC FIELDS
PEST CONTROL OPERATORS

WARNING:

KEEP OUT OF REACH OF CHILDREN
SEE ADDITIONAL CAUTIONS ON BACK PANEL



DIRECTIONS FOR USE

Before using cultivate area to be treated to break up clods. A week before treatment sprinkle soil with loosened soil. Immediately before application water up soil crust. To prevent loss from evaporation apply water if temperature is over 80° F. or when wind is blowing. Reduce evaporation loss of Vapam before it can be dredged to the soil with additional water. If fumes become unpleasant during treatment lay more water to seal the Vapam in the soil. Soil temperature must be in the 60° - 90° F. range at a 3 inch depth. Raise temperature with water after each day's use. Use promptly after mixing with water. Let the water solution to stand overnight. Vapam must be sealed into the soil by watering immediately after application wetting the soil to a depth of 3 to 4 inches. Keep soil surface wet for 2 to 3 days after application then let dry out. The activity of Vapam is increased by the use of a cover such as plastic, paper or fabric tarp spread over treated area and weighted down around edges to prevent wind from lifting.

APPLICATION METHODS AND RATES

1. Seed Beds, Planting Beds, Preparing soil for Lawn Seed Planting, and other limited areas.

Sprinkling Can: Place 1/2 Qt. Vapam in 1 qt. on very heavy soils or for deep rooted weeds; in a sprinkling can. Fill with water, stir to mix, then sprinkle uniformly over 50 sq. ft. of prepared soil. Water in or tarp as outlined in "Directions For Use."

Hose Proportioner: Add 1 Qt. Vapam to 3 Qts. water in a bucket or other container. Apply through hose proportioner to 100 sq. ft. of prepared soil. Water in or tarp as outlined in "Directions for Use."

Rotary Tiller: Spray or sprinkle diluted Vapam immediately in front of rotary tiller. Use 1 Qt. of Vapam in 2 1/2 Gals. of water per each 100 sq. ft. of soil. Follow immediately with a roller to smooth and compact the soil surface. Water in or tarp as outlined in "Directions for Use."

2. Treatment of Potting Soil

Sprinkling Can: Spread soil in a smooth layer 4 inches high or in a tray or pre-treated soil. Sprinkle Vapam at the rate of 1 qt. in 5 Gals. of water per 100 sq. ft. of surface. Layers can be treated one on top of another. Sprinkle top layer with water to seal or cover with tarp.

Shredder: Dilute Vapam in sufficient water to obtain even distribution. As soil is ejected from shredder spray uniformly on soil stream at rate of 1 fl. oz. Vapam per 2 cu. ft. of soil. After all soil is treated seal with a water seal on entire surface or cover with tarp.

Cement Mixer: Add Vapam to soil mix at rate of 1 fl. oz. per 2 cu. ft. of soil. Mix thoroughly. After soil is treated and piled, sprinkle with water over entire surface to seal or cover with tarp.

CULTIVATION AND PLANTING AFTER APPLICATION

Seven days after treatment or tarp removal rake to 1/2 inch depth. Rake again 1 week later - do not rake deeper than 2 inches. In well drained soils of light to medium texture which are not excessively wet or cold following application, planting may take place 21 days after treatment. If soil remains excessively wet and/or cold wait 30 days. Do not mix untreated soil with treated soil. Soils high in clay or organic matter should be aerated and allowed to dry thoroughly after treatment. In cold wet weather, frequent shallow surface cultivations will aid the escape of Vapam from the soil. Do not cultivate deeper than 2 inches.

Potting Soils: After 5 to 7 days soil should be shredded or turned over. Do not use soil until 14 more days before it is put in storage bins. No crop should be planted until all odor has left treated soil.