

ACCEPTED

JAN 25 1968

U.S. FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1439-123 SUBJECT
TO ATTACHED COMMENT.

CHEM-SECT BRAND

DIRECTIONS FOR USE:

Chem Vape is recommended for control of the following weeds and graminoids: weeds: chickweed, Amaranthus sp., Hairy smutgrass, Barnyard grass, Red top, Water grass, Purslane, Spider grass, Crabgrass, Thistle, Wild morning glory, Garden spurge, Groundsel, and the following non-grass weeds: any of the following such as Mimulus sp., Ranunculus sp., Verbascum, Arisaema, Chamaecrista sp.; affecting ornamentals and vegetable transplants etc.

SOIL PREPARATION: For maximum effectiveness is similar to that required for other fumigants, as follows: Do not apply to dry soil. For best weed seed control, the soil should be kept moist for at least 5 days prior to application to allow some seed germination to take place. Thorough cultivation before application will allow maximum gas penetration and effectiveness.

RECOMMENDED DOSAGES:

FOR SEED BED FUMIGATION - before planting for control of weeds, nematodes garden centipedes and soil borne diseases, a basic dosage of 1 quart per 100 square feet is suggested for ornamentals, transplanting stock, new lawn areas and the like.

FOR PRE-PLANT FIELD FUMIGATION - of ornamental crops for control of nematodes and diseases a dosage of 10 to 40 gallons per acre is suggested where the entire area is treated. When application is made only to the rows, a dosage of 2-1/2 to 10 gallons is indicated.

A water seal keeps the gases below the surface of the soil in the pest zone. Apply Chem-Vape evenly to the area treated by one of the methods listed below.

LIGHT SOILS - On sandy or sandy loam soils of good tilth and drainage a dosage of 1/2 to 1 quart should be sufficient. The higher rate is advisable where weed control is important, whereas certain damping off diseases and nematodes may be controlled with the lower dosage. On very light soils of this type, it is advisable to sprinkle lightly at intervals for a period of 24-48 hours in order to keep the surface moist enough to act as a seal for the gases which are formed when Chem-Vape contact the moist soil. It is these gases which are effective fumigating agents.

HEAVY SOILS - Heavy soils containing large amounts of clay and/or organic matter should be well broken up before applying Chem Vape. Clods should be broken and the surface raked smooth. Dosage rates for heavy soils should be 1 quart to 1 1/2 quarts per 100 square feet.

POROUS SOILS - Straight sand or gravel or very loose organic soils may be so porous that special sealing methods such as a tarping will be required.

IMPORTANT CULTIVATION AND PLANTING - The soil should be cultivated 5-7 days after treatment to allow gases to escape. On well drained soils of light to medium texture a total of not less than 14 days, and on high organic soils a total of not less than 20 days, should elapse between treatment and planting.

CHEM-VAPE

WARNING: KEEP OUT OF THE REACH OF CHILDREN

"See side panel for additional required caution statements."

ACTIVE INGREDIENTS:

Sodium methyl dithiocarbamate (anhydrous) 31%

INERT INGREDIENTS: 69%

Total 100%

"U.S.D.A. Reg. No. 1439-123"

PRECAUTIONS: Do not apply Chem Vape within 3 feet of any living plant nor within the drip line of larger shrubs or trees. Do not apply in confined spaces without adequate ventilation. Do not use in greenhouses or other enclosures where growing plants are present. Do not plant sooner than 14 days after application. Keep off lawns and desirable plants.

APPLICATION METHODS: **SPRINKLING CAN** - Add 1 qt. of Chem Vape to a sprinkling can, fill with water, stir, and sprinkle uniformly over 100 square feet at a time. **HOSE PROPORTIONER** - Add 1 qt. Chem Vape to 3 qts. of water, stir and apply uniformly to 100 sq. feet with hose proportioner having a ratio of about 1 to 15. Immediately sprinkle with enough water to wet the surface thoroughly. **SPRINKLER APPLICATION** - run sprinklers for 5-10 minutes. In the next 5-10 minutes inject all Chem Vape intended for the area covered. Continue sprinkling for 10-30 minutes to seal the surface. In very light sandy soils one or more light sprinklings after application may be more effective than a heavy application which may wash the Chem Vape too deep in the soil.

DEEP INJECTION - for nematodes, inject 6-10 inches deep down the planting row. **SHALLOW INJECTION** - space half inch injectors 2-4 inches apart and inject into well worked soil 2-4 inches deep. **FLOW SOLE APPLICATION** - spray Chem Vape on the plow sole at a depth of 6-10 inches just ahead of the covering soil.

FLOOD IRRIGATION - meter Chem Vape at a steady rate continue only into water during irrigation. **SPRAYER** - apply Chem Vape as a coarse spray either straight or diluted at the desired rate on the surface of the soil. Immediately follow with a rototiller and a surface water seal.

CAUTION: AVOID BREATHING FUMES: Chem Vape and its decomposition products may be irritating to the eyes, skin and mucous membrane. Keep out of eyes and mouth. Avoid contacting any part of the body with concentrate or diluted solutions. Avoid inhaling mist or fumes. Wear suitable respirator. To avoid exposure, rubber gloves and rubber overshoes or boots should be worn by applicator, if necessary. If splashed in eyes or on skin, wash immediately with plenty of water. If spilled on skin, wash with plenty of water and apply soothing ointment. Contaminated clothing should be removed at once. Keep container tightly closed when not in use. Keep away from food and food products. Do not store below 60°F.

NOTICE: The statements made on this label, or by any of our agents concerning this material are given for information only. They are believed to be true and accurate, but because conditions of use which are of critical importance are beyond our control, Chemical Insecticide Corporation does not make, nor does it authorize any agent or representative to make, any warranty, guarantee or representation, express or implied, concerning this material, except that it conforms to the chemical description on the label. Neither Chemical Insecticide Corporation, nor the seller shall be held responsible in any manner for any personal injury or property damage or other type of loss resulting to the buyer or to any person from the handling, storage or use of this material whether or not in accordance with directions. The buyer assumes all risk and liability resulting from such handling, storage or use and accepts and uses the material on these conditions.



CHEMICAL INSECTICIDE CORPORATION

30 WHITMAN AVENUE, METUCHEN, NEW JERSEY U. S. A.
Presque Isle, Maine Belle Glade, Florida

