

**SPECIMEN LABEL**  
REDUCED TO 72%

**ACCEPTED**  
MAY 1 1978  
Under Federal Insecticide,  
Fungicide and Rodenticide Act,  
this product is registered under  
EPA Reg. No. 464-251



# DORLONE<sup>\*</sup> SOIL FUMIGANT

For Controlling Plant Parasitic Nematodes

**ACTIVE INGREDIENTS**  
3-dichloropropene and related chlorinated hydrocarbons ..... 79%  
ethylene dibromide ..... 19%  
**INERT INGREDIENTS** ..... 2%  
ethylene dibromide (2 lb. gal.)  
A Registration No. 464-257

**PRECAUCION AL USUARIO:** Si usted no lee Inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
**TRANSLATION: (TO THE USER:)** If you cannot read English, do not use this product until the label has been fully explained to you.

E.P.A. Est. No. 464-CA-1

KEEP OUT OF REACH OF CHILDREN

**DANGER** **POISON**

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**HAZARDOUS LIQUID AND VAPOR • MAY BE FATAL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED • CAUSES BURNS OF SKIN OR EYES • MAY PRODUCE KIDNEY AND LIVER DAMAGE UPON PROLONGED EXPOSURE**

**IF INHALED,** remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. **IF ON SKIN,** immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not immediately available, remove excess chemical from skin with absorbent material such as towel or dry soil, then proceed at once to location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician. **IF IN EYES,** immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. **IF SWALLOWED,** immediately induce vomiting by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

**Do Not Breathe Vapor • Do Not Get In Eyes, on Skin, on Clothing • Do Not Take Internally • Use Only With Adequate Ventilation • Wear Eye and Skin Protection Necessary to Prevent Contact When Handling Wash Thoroughly After Handling and Before Eating or Smoking.**

**PHYSICAL OR CHEMICAL HAZARDS  
COMBUSTIBLE**

protective gear, such as boots or gloves, becomes contaminated, immediately wash with soap and water. Never wear protective gear having the odor of 1,3-Dichloropropene. Aerate and wash protective gear thoroughly after use until all odor is gone. Render unusable and dispose of contaminated leather goods, including shoes.

**ENVIRONMENTAL HAZARDS**

**SEE FURTHER INSTRUCTIONS UNDER HANDLING PRECAUTIONS SECTION**

**Do Not Use, Pour, Spill or Store Near Heat or Open Flame. Do Not Cut or Weld Container**  
To avoid injury to fish and other wildlife, do not spill or empty into streams, ponds, or any other bodies of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

In case of an emergency endangering life or property involving this product, call collect 617-636-4400

**AGRICULTURAL CHEMICAL**  
Do Not Ship or Store with Food, Feeds, Drugs or Clothing

### DIRECTIONS FOR USE HANDLING PRECAUTIONS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**DO NOT INHALE VAPORS:** NIOSH- or MSHA-approved respiratory protection should be worn when DORLONE soil fumigant is exposed to the atmosphere or when conducting operations which vent to the atmosphere. A NIOSH- or MSHA-approved half-face respirator with chemical workers goggles or full face respirators shall be used during small spills, repairs, calibrations, transfers, sampling and when working in poorly ventilated areas. When in use canisters or cartridges shall be replaced daily or sooner if specified by manufacturer or at first sign of odor breakthrough, whichever comes first. NIOSH approved cartridges, such as a Welch 7400 IL will be adequate for short term situations such as listed above.

**DO NOT GET ON SKIN:** When handling or working with DORLONE wear clean body covering including gloves and heavy footwear. Immediately remove contaminated coverings. Aerate and wash all protective clothing and gear thoroughly after use.

**DO NOT GET IN EYES:** Wear eye protection such as chemical workers goggles or full face respirator when handling DORLONE.

**DO NOT SWALLOW:** Do not use the mouth to siphon DORLONE from containers or to blow out clogged lines, nozzles, etc.

### STORAGE, SHIPMENT AND DISPOSAL

**STORAGE:** Store in tightly closed original container in a cool place away from dwellings. Do not allow contamination of seeds, plants, fertilizers or other pesticide chemicals. Do not contaminate food, feedstuffs, drugs, or domestic water supplies. In outside storage, store drums, inside to avoid accumulation of rain water in top or bottom recessed areas.

**SHIPMENT:** Do not ship or store with food, feeds, drugs or clothing.

**DISPOSAL:** Rinse equipment and containers and dispose of wastes, including spills or rinsates, in a landfill approved for pesticides or by burying in non-crop lands away from domestic water supplies. Punch holes in containers before disposal. Dispose of empty containers in approved landfill or bury in a safe place. Consult Federal, State or local disposal authorities for approved alternative procedures.

**DO NOT REUSE ORIGINAL CONTAINERS SUCH AS DRUMS**

### GENERAL INFORMATION

Use DORLONE only as a preplanting treatment to control nematodes such as root knot, stiel (toasted stunt), meadow nematode and certain other soil borne nematodes in land to be planted to: lima beans, broccolis, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, floral crops, gladiolus, lettuce, melons, nursery crops, okra, parsnips, peppers, pineapple, potatoes (sweet), potatoes (white in Idaho and Wisconsin only), squash (summer), strawberries, tobacco and tomatoes. It usually is applied as an over-all treatment, but row treatment may be used on cotton, cucumbers, and certain other crops for which this type of treatment is suitable. For best results annual treatment is required.

### DIRECTIONS FOR APPLICATION AND PLANTING

**WHEN TO TREAT:** Treatments may be made either in the spring or fall, whenever soil conditions are suitable. In northern states, late summer or early fall treatment (before October 15) is best in muck soils. Early treatment permits planting a fall cover crop. Do not use DORLONE on extremely heavy soils.

**SOIL PREPARATION:** To facilitate fumigant penetration and sealing, work crop remains into the soil so that they are decomposed before treatment. Soil should be in good workable seedbed condition, warm (50 to 80 F.) and with adequate moisture for good seed germination. Deep tillage (12" to 18") often improves results, especially in heavy or muck soils.

**APPLICATION:** For over-all treatments, either chisel or plow type equipment may be used. For row application, use one chisel per row or two chisels spaced 12" apart. Make the treaters bedding or listing or by tractor wheel marks, and plant in the middle of the treated area. Inject the fumigant at least 6" below the final soil surface. Treat banks and ditches, a relatively dry (when water content is one half of field capacity).

**SEALING:** Immediately after application, compact the soil. After chisel application, use roller, cultipacker or similar device. After plow application, disk the land and then float or rolling. Sealing after row treatment can be accomplished by the float, listing or bedding. When fumigating listed rows, seal in the fumigant with the float, roller or sealers.

**EXPOSURE PERIOD:** After application and compaction, leave the soil undisturbed for 14 days. Wet soil retards diffusion of the fumigant, thus requiring a longer exposure period. **AERATION AND PREPARATION OF SOIL BEFORE PLANTING:** At the end of the exposure period, aerate the soil by plowing or deep cultivation. This is especially desirable in northern areas. A fall application in muck soils, if heavy rains accompanied by low temperatures occur during exposure period, working the soil several times is essential for thorough aeration. A usually complete when the odor of the fumigant is no longer evident. Shallow tilled soils usually be planted one week after the end of the exposure period or when the aerator has been used for deep rooted trees and shrubs, the aeration period should be 3 to 6 months.

**CAUTION:** Note Carefully Fumigation may temporarily raise the level of ammonia 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 ammonia injury to roots, fertilize as indicated by soil tests made after fumigation. To avoid ammonia injury to plants, avoid using fertilizers containing ammonium salts and fertilizers containing nitrates, until after the crop is well established and the soil temperature above 65 F. Certain crops, including cotton and pineapple, are tolerant to ammonia and this rule does not apply to them. Excessively high ammonia levels stimulate nitrate formation, which reduces the possibility of ammonia toxicity.

### DOSAGES RECOMMENDED

**COTTON, FLORAL CROPS, BOSACOS AND VEGETABLES:** Over-all Application: Use 12 to 16 gallons per acre (1 pint per 454 to 640 linear feet per chisel) in muck or peat soils containing less than 30% organic matter. Use 20 gallons per acre (1 pint linear feet per chisel) where the organic matter of such soils is higher than 30%. Use 24 gallons per acre (1 pint per 227 linear feet per chisel).

**Row Application:** Use 6 gallons per acre (1 pint per 227 linear feet) in muck soils, based on row.

**FOREST AND ORNAMENTAL NURSERY CROPS, PLANT BEDS, STRAWBERRIES AND AREAS:** Over-all Application: Use 12 gallons per acre (1 pint linear feet per chisel) in the early fall.

### USE PRECAUTIONS

DORLONE is not recommended for use in soil to be planted to onions, green beans, sugar beets, cabbage, celery, field corn, peanuts, peas, spinach and turnips. To avoid reinfestation of treated soil, do not use transplants, tools or equipment that could soil borne pests from infested land. Clean applicator carefully before using. Since DORLONE fumigant is corrosive under certain conditions, flush all applicators with fuel oil or kerosene immediately after use. **DO NOT USE WATER.** Do not use containers, pumps or other equipment made of aluminum, magnesium or their alloys, as under certain conditions DORLONE may be severely corrosive to such metals.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. Neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE is expressed or implied, extend to the use of this product contrary to label instructions or under conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of use.

66-1022 PRINTED IN U.S.A. IN MARCH, 1979.  
REPLACES SPECIMEN LABEL PRINTED IN OCTOBER, 1972.  
DESTROY OLD SPECIMEN LABELS.  
REVISIONS INCLUDE: (1) COMPLETELY NEW FORMAT (2) UPDATED PRECAUTIONARY INFORMATION FOR 1,3-DICHLOROPROPENE PRODUCTS (3) ADDED SECONDARY LABEL FLAMMABLE LIQUID.