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## GENERAL WARNINGS

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## TERR-O-CIDE 54

A broad spectrum soil fumigant that controls nematodes, wirework white grubs and reduces the symptoms of soil-borne diseases

## **ACTIVE INGREDIENTS:**

Ethylene dibromide	8 43 lbs.	
Chloropicrin	7.03 lbs.	
INERT INGREDIENTS	.16 lbs.	
WEIGHT PER GALLON	15.61 lbs.	Tota

MEEP OUT OF REACH OF CHILDREN POISON

MAY BE FATAL IF INHALED, SWALLOWED OR CON WITH SKIN. CALL PHYSICIAN IN CASE OF EXPOS

See other precautions on side panels

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USE TERR O CIDE 54 45 as a fumigation treatment prior to planting those crops which may suffer from the damaging effects of certain soil borne pests such as NE MATODES root knot stunt, root lesion, burrowing, citrus, stem, bulb, free living (sting, ring, awl, spiral, lance, pin, stubby root stylet, dagger) INSECTS—wireworms symphillids (garden centipedes) white grubs DISEASES—Fusarium, Verticillium, Pythiam Rhizoctoma. Also effective against black shank, Granville wilt, and black root rot of tobacco.

Chaidrower Peanuts Asparagas Lettuce Potatoes Broccon Con sweets Melons Peppers Strawberries Long Bears Catton Ornamentals Pineapple Tobacco A Contrators Okra Tomatoes Carrots Fruit tree riggi lant planting sites

WHEN TO TREAT intringate with TERRIO CIEE 54-45 any season of the year when optimum so a reparation can be accomplished and preferably when the 6 inch soil temperature is between 45 and 75. F. Late summer or early fall is recommended for symphilid control.

SOIL PREPARATION. Remove or cover all plant residue with fertile, moist soil far enough in advance of furnigation to allow for inaximum decomposition. Excessive trash can reduce effective furnigation by absorbing furnigant or preventing effective soil sealing. Deep tillage (12.18 inches) by plowing or subsoiling prior to furnigation improves total pest control. Do not till the soil below the plow pan following furnigation and prior to planting. Till the soil to a very fine condition, leaving few if any clods. Optimum seedbed moisture, including the soil surface, is the most essential factor for effective furnigation. Do not furnigate dry soil. Seedbed moisture for at least 10 days prior to furnigation improves soil borne pest control.

HOW TO TREAT: OVERALL (broadcast) chisel injection equipment should place uniform streams of TERR-O-CIDE 54-45 10-12 inches apart 6.8 inches below the soil surface. Seal by pulling a float and ring or smooth surface roller. Plow sole equipment should place uniform streams on the plow sole immediately covered by soil. Seal plowed soil immediately by leveling and pulling a ring or smooth surface roller. 1/2 acre inch of water added by sprinkler or rain will improve soil surface sealing. Laying of plastic tarp, sealed at the edges, on "overall" treated areas will improve control.

**ROW:** Adjust the space between injection chisels to the same spacing as the planter rows. Apply 6.8 inches below the soil surface. Seal by listing 8.10 inch high peaked beds over the shank marks. Rolling of the listed beds is only required for higher temperature (65. F.) soils. After the "exposure period, remove or plant through listed beds directly over the treated strip. For tobacco furnigation use 2.7.3.6 gallons per acre on 42 inch centers.

BED OR SWATH. Set two or more chisels 10.12 inches apart with their swath center line with the following bed or plan irow center. Shall by bed forming or level and rolling the swath area.

ORCHARDS, NURSERY AND SIMILAR WIDE ROW PERENNIALS. 2 foot and wider finature (rop dripline) strips may be treated as in loverall for "swath in ethods by wider chisel spacings (18.20 inches) and deeper injections. (12.14 inches) and marking the treated centers for planting before and after famigation. Replanting sites may be first gated by treating with 12 inch square handgas probling in bleating with the foot or plastic tarps.

**FLIPPING** In cool soils (below 65%). Fafter at least 3 day, for agation period, but while the odor is still present, a shallow (6.8 inch) fast plowing concediately followed by leveling and rolling may be used after operally formigation. The method improves topsoil furnigation. A normal plowing just prior to planting for ligated soil brings the most highly treated zone to the seeding zone.

Use as preplant only except as indicated.

Do not exceed maximum dusage per acre in a single year.

				CC 100 tanear Et Chisel	
Crop or Areas	Type of Application	Remarks	Gallons per Acre	low rate	high rate
ROW OR ~ IELD CROPS (A) asparagus, beans (lima), broccoli, melons, carrots, cauliflower, corn (sweet), cucumbers, eggplant, lettuce, okra, peppers, tomatoes, stravcotton, sweet potatoes	Overall wberries,	Mineral	6812	59	104
Potatoes (white)	Overall	Mineral	6468	56	59
Tobacco	Row	Wherever needed	2/36	82	109
Ornamentals	Overal!	Wherever needed	4687	40	76
Fruit Tree Planting Sites	Overall or strip	Wherever needed	20 5	178	
Pineapple (B)	Row	Wherever needed	4.20	34	174
Peanuts (C)	Row	Wherever needed	2341	60	107

For wireworms in western irrigated districts, use 2.7.4 gallons per acre (21.34 cc. 100) linear ft (hisel). Wireworms are not controlled by row treatment.

Always use 6.8.9.1 gal. A for symphillid control

Use higher rates for heavier soils, or higher pest infestations.

- (a) Allow 1.3 weeks to elapse between time to application and planting.
- The For Hawaiian pincapple place in or near the plant line at depth of 5 to 8 inches. Depending on chitural practices, the interval between treating and planting may be as short as 2 days.
- COULTION CONCERNING PEANUT HAY AND HULLS. Although a safe tolerance has been established by the U.S. Food and Drug Administration for residues of bromides in pleanut kernels grown on soil furnigated with TERROCIDE 54.45, the peanut hay and hulls will contain certain bromide residues not covered by a tolerance. Such peanut hay and hulls are not suitable as feed for meat or lactating dairy animals. To avoid missure of such hay or hulls, do not sell to another party or otherwise introduce into commerci. Any forage crop grown on soil treated with a bromide-containing furnigant should not be used as a feed for dairy animals, or for animals being finished for slaughter until 2 years after row treatments are made and 3 years following overall treatments. Do not exceed 6.4 gallons per acre. 56 pounds EDB A