Clean, Clear, Non-Nozzle Clogging **SOIL FUMIGANT**

CONTROLS MANY PLANT PARASITIC NEMATODES AND OTHER SOIL PESTS IN CROP LANDS

CONTROLS MAINT FEATURE	The National And Clink Soil (1915 in the Land)
ctive ngredients: 100% ,3-Dichlereprepene and Related Chlorinated Hydrocarbons	final soil surface. In wastern irrigated cotton areas, use 2 chisels per row, set 12 inches apart, and plant in the middle of the treated strip.
GENERAL INFORMATION se TELONE only as a preplenting sell furnigent to control nematodes such as meadow esion), rootheat citrus, burrowing, ring, spiral, sting, pia, styleby root, stylet, dagger and set formers (golden and sugar beat) and certain others; also to control wireworms and garden.	SEALING: Immediately after application, compact the soil. After chisel application, use a float, roller, cultipacker or similar sealing device. After plow-sole application, disk the land, then compact it by floating or rolling. Sealing after row application can be accomplished by the tractor wheel, by listing, or by bedding so that the fumigant will be 12 to 14 inches below the top of the bed. When fumigating listed rows, seal in the fumigant with ring rollers or press sealers.
intipedes (sy.nphylans). Fumigate land to be planted to the craps listed below, under the inditions, and at the rates indicated under DIRECTIONS FOR USE, DOSAGE RECOM-	EXPOSURE PERIOD: After application and compacting, leave soil undisturbed for 7 to 14 days. Wet soil retards diffusion of fumigant, requiring a longer exposure period.
ENDATIONS, and PRECAUTIONS. ogetable Crops: asparagus caviifiawer, horseradish parsnips shallots	AERATION AND PREPARATION OF SOIL BEFORE PLANTING: At the end of the exposure period, aerate the soil by plawing or deep cultivation. This is especially desirable in northern areas after fall application in muck soils. On fumigated muck soil, plant as late as possible

peans plackeyed peas squash (summer) Kohlrabi peppers pimentos squash (winter) ggis broccoli brussels sprouts potatoes sweet polatoes cowpeas ettuce melons swiss chard cucumbers cabbage egg plant radishes fomatoes mustard greet Tutabaga TUTRIPS endive. olio solsify watermelons garlic onions Field Crops: <u>ralfalfa</u> soybeans... basinie alam grasses hops peanut sugar beets Dirdsfoot trafail sugar cane popcorn - rice

clover Millet milo verch: corn wheat cotton **Oats** sorghum **Citrus Fruit Tree Planting Sites:** kumquats grapefruit limes oranges tangerines tangelos **Deciduous Fruit and Nut Tree Planting Sites:** almondi dates

opple, filberts peaches peons cashew nuts hazelnuts pecans hickory nuts persimmons pineapple cherries chestnuts nectarines **Bush and Vine Planting** Sites: youngberries blackberries currents huckleberries blueberries

demperries

gooseberries

boysenberries

cronberries strowberries grapes Nursery Crops including floral plants, <u>ornamentals</u>, <u>shrubs</u> and bushes; <u>forest</u>, shade frui and nut trees and vine and bramble fruits of all types.

loganberries

rospberries

DIRECTIONS FOR USE

WHEN TO TREAT: Treat either in spring or fall, whenever soil conditions permit. For best results, with annual crops, treat soil each year. Do not use TELONE on extremely heavy clay soils. In northern states, fate summer or early fall treatment (before October 15) is best for land to be planted to early spring crops. This is especially true where plants are to be set out, such as celery, tomatoes, nursery and orchard stock. Treat muck soils only in the early fall and plant in the spring. Early treatment permits planting a fall cover crop

SOIL PREPARATION: For best fumigant penetration and sealing, plant remains should be worked into the soil long enough before reatment so that the roots are well rotted. The soil should be in good seedbed condition, free of clads and undecomposed plant material with the temperature between 40 and 80 F at the depth of injection, and with enough maisture for good seed germination. Deep tillage, 12 to 18 inches, often improves results. Treat loams and clay loams when fairly dry (water content, one-half of field capacity).

APPLICATION: For over-all application, either chisel (with chisels set 12 inches apart) or plow-sale equipment may be used. For row application, use one chisel per row, or two chisels spaced 12 inches apart. Where 2 or more chisels are used per row apply at the same rate per chisel as for over-all. As the distance between rows is increased the amount of fumigant required per acre will decrease. Also when the distance between rows is decreased the amount required per acre will increase. Mark the treated strips by bedding or listing or by tractor wheel marks, and plant in the middle of the treated areas. Where only I chise is used per row adjust the fumigant flow to distribute about 1½ times ps much per chisel as ever all When a single chisel is used, for best crop stands, place seed row 3 to 4 inches to be site of the fumigation rhisel mark. Always inject the fumigant at least to be inches below me of the fumigant is no longer evident. DOSAGE RECOMMENDATIONS

in the spring. Shallow-rooted crops can usually be planted after about 7 to 10 days of

aeration. Under optimum seedbed condition of soil composition, moisture and temperature

one week of aeration time should be allowed for each 10 gallons of TELONE used per acre.

For deep-rooted shrubs and trees the ceration period should be 3 to 6 months. If heavy

rains or low temperature occur during the exposure period, working the soil several

times may be necessary to haston acration. Acration is usually complete when the odor

To Control Nematodes, Symphylans and Wireworms Linear Feet Per Pint Per Chisel (consult list of Individual crops under Type of Gallons Two or more - One chisel GENERAL INFORMATION chisels per row Treatment Sail Type Per Acre Shallow Rooted Plants 6 to 8 Minera Field Crops (42") Floral Crops 12 to 16 130 to 97 87 to 65 Muck or Peat Grasses and Turf 455 to 273 12 to 20² Mineral Small Fruits Over all Vegetables (or Broadcast) 32³ to 48 170 to 114 Muck or Peat Ornamentals 32 to 48 170 to 114 Strawberries Over all 149 223 Row (42") Sugar Beets Root-Knot 363 to 273 15 to 20 Over all Nematode Mineral 130 12 87 Row (42") Sugar Beet Nematode 15 to 25 363 to 218 30 to 60 Row 40 136 Over-all Citrus-Florida

	Over-all: Gallons Per Acre to Penetrate Various Depths				
Nursery and Field	Mineral Sc?	3 ft.	4 ft.	5 ft.	6 ft.
Citrus Fruit Trees Deciduous Fruit Trees	Sand	20	28	36	44
Forest Trees Grapes	Sandy Loam	36	40	48	. 64
Not Trees Opposite (deep rooted)	Silt Loam	56	68	84	100
Ornamentals (deep rooted)	Clay Loam	72	92	112	136

Use the higher rates in heavier soil

For cyst forming nematodes increase dosage to 25 gallons (218 linear feet per pint per chisel.)

³ For muck soils containing less than 30% organic matter use 25 gallons per acre-*For Mawaiian pineapple, application may be made at time of, or just before planting

NOTE: To control symphylans (garden centipedes) use only over-all at 25 or more gallons per acre, and apply during late summer or early fall when the rail is warm. To control wire

Orms use doubges recommended for nemotodes in over-all or broadcast treatments. When Peaces in Northwestern States: Use TELONE as a spring or preferably a fall treatment to ontrol quackgrass and for suppression of the damaging effects of Verticillium

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NET CONTENT_____ GALS.

⁵ For burrowing nematode in citrus inject on 18 inch centers 12 inches deep. Keep free of plants susceptible to burrowing nematodes for 2 years before replanting to citrus.

wilt in fields to be planted to white potatoes. Apply as an over-all treatment according to the following tabular directions:

Time of Treatment	Gallons per acre	Linear feet per pint per chisel
Spring	20 to 30	273 to 182
Fall	30 to 40	182 to 136

USE PRECAUTIONS

Important — 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 on high organic soils do not use 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.

Certain crops including cotton, sugar cane, and pineapple are tolerant to ammonia and the above rule does not apply to them. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity. Certain nursery crops such as citrus seedlings, Certus sp., Cretaegus sp., spruce and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, it is suggested that additional phosphate fertilizer be used on soils which tend to be deficient in this nutrient.

CAUTION: To avoid reinfestation of treated soil do not use transplants, tools, or crop remains that could carry soilborne pests from infested land. Clean rig carefully before using.

Since TELONE soil 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 transfer equipment made of aluminum, magnesium or their alloys, as under certain conditions TELONE may be severely corrosive to such metals. Common protective equipment, such as rubber gloves and boots, etc., may be penetrated readily by this material. Polyethylene provides a good barrier. For field operations cover shoes and hands with polyethylene bags. Store TELONE in tightly closed containers in a cool place away from dwellings. In outside storage, store drums on their sides to avoid accumulation of rain water.

Do not store near seeds, plants, fertilizers, or other pesticide chemicals. Do not contaminate feed or foodstuffs.

To avoid injury to fish and other wild life, do not spill or empty fumigant into streams, ponds or other bodies of water.

Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed by punching holes in them and burying with wastes.

DANGER KEEP OUT OF THE REACH OF CHILDREN

MAY BE FATAL IF INHALED, ABSORBED THROUGH
SKIN OR SWALLOWED • CAUSES BURN OF SKIN OR EYFS
COMBUSTIBLE LIQUID

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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, 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 reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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NOTICE: Sellier 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, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTIC ULAR PURPOSE, express or implied, extends to the use of this product confrary to lubel instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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