Jun 3, 1975

TRIANGLE

DOWFUME W-40*

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT (
EFFECTIVE SOIL FUMIGANT CONTAINING ETHYLENE DIBROMIDE
USEFUL IN THE CONTROL OF WIREWORMS, NEMATODES AND (

INGREDIENTS

Active Ingredient:	
	41%
Inert Ingredient	59%
1 gallon of DOWFUME W-40 cor	ntains 3.5 pounds of Ethylene Dibromide

Use DOWFUME W-40 furnigant as a preplanting treatment to control nematodes (other than encysted eggs and larvae of the sugar beet nematode, golden nematode, and related species), wireworms, garden centipedes (symphylans), and certain other soil-borne pests in land to be planted to tima beans, broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, floral crops, gladiolus, lettuce, melons, nursery crops, okra, parsnips, peppers, pineapple, potatoes (sweet), potatoes (white), 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 can be made either in spring or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatment (before October 15) is best for land to be planted to early spring crops, especially in muck soils. Early treatment permits planting a fall cover crop.

SOIL PREPARATION: To facilitate sealing and fumigant penetration, work crop remains into the soil so that they are decomposed before treatment. Soil should be in good workable seed bed condition, warm (50-95°F.), with adequate moisture for good seed germination. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

APPLICATION: For nematode control both overall und row treatments are effective. Use only overall applications for control of wireworms and symphylans (garden centipede). Overall applications may be made with either chisel or plow sole equipment. Row applications should be made with chisels spaced 12 inches apart. Two or more chisels should be used per row depending upon the width of the row to be treated. For row applications, as the distance between the rows increases, the amount of fumigant required per acre decreases. In all cases, inject the fumigant at least 5 to 8 inches below the final soil surface planting level. Mark the treated rows by bedding or listing or by tractor or press wheels, and plant in the center of the treated strips.

SEALING: Compact the soil immediately after application. With chisel application, use a float, roller, cultipacker, or similar device attached to the applicator or to another closely following tractor. 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 or 14 inches below the top of the bed. When fumigating listed rows, seal in the fumigant with ring rollers or press sealers.

EXPOSURE PERIOD: After application and compacting, leave the soil undisturbed for at least 7 to 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, agrate the soil by plowing or deep cultivation. This is especially desirable in northern areas after tall application in muck soils. If heavy rains accompanied by low temperatures occur during the exposure period, working the soil several times is essential for thorough aeration. Aeration is usually complete when the ador of the fumigant is no longer evident. Shallow-rooted crops can usually be planted about one week after the end of the exposure period, or when aeration is complete. For deep-rooted trees and shrubs, the aeration period should be 3 to 6 months.

DOSAGE AND USE RECOMMENDATIONS

Use as preplant only, except as indicated by feetnete (i). Do not exceed maximum desage per acre in a single year

Crop or Areas	Pest to be Controlled	Type of Application	Remarks	Gallons Por Acro	Linear ft/pt/chisal	
					Low Rate	High Rate
Row Crops: Beans (lima), broccoli, carrots, cauliflower, carn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra, parsnips, peppers, potatoes (sweet), squash (summer), strawberries, tobacco, and tomatoes	All nematodes except encysted eggs and larvae of sugar beet, golden and related species	Overall or Row	Loam or Sandy Soil	15.5 to 20.5	353 k	265
			Muck Soil	31	17	77
	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	Loam or Sandy Soil	15.5 to 20.5(c)	353 to	o 265
Potates (d) (white) Potates (d) (white) Potates (d) (white) Potates (d) (white) Symphylans (b) and all nematode with exceptions all	All nematodes except potato rot and cyst forming species	Overall or Row	Loam or Sandy Soil	15.5 to 20.5	353 to	265
	, , , , , , , , , , , , , , , , , , , ,	Overall	Loam or Sandy Soil	15.5 to 20.5	353 to	o 265
	Potato rot nematodes	Overall (•)	Wisconsin and Idaho	14 to 17(f)	397 1	o 317
	and wireworms			6.8 to 8.6(f)	795 to	o 635
Strawberries (g)	Nematodes	Overall or Row	Wherever needed	31	177	
Nursery and Floral Crops, Seedbeds	All nematodes except encysted eggs and larvae of sugar beet, golden and related species	Overall or Row	Wherever needed	20.5	265	
Fruit Tree Planting Sites	Nematodes	Overall or Strip	Wherever needed	51 ,	10)6
Pineapple	Nematodes	Row	Wherever	31 to 62(h)	177 to	o 88
· ····apphia	racinatodes	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	needed	20.5(i)	26	.5

Pesnuts: See Manufacturer's Printed Directions "DOWFUME W-40 Soil Fumigant for Peanuts", Copies may be obtained from your dealer or Triangle Chemical Company.

- (a) For wireworms only, in Western-Irrigated Land reduce dosage to 10 gal/A (544 linear ft/pt/chisel).
- (b) For best results against symphylans (garden centipedes), apply during late summer or early fall when soil is warm.
- (c) Always use the 20.5 gallons per acre rate for symphylan control.
- (d) To avoid excessive bromide residue do not use DOWFUME W-40, if harvested potatoes will be fumigated with methyl bromide.
- (e) Make two applications in the fall with plawsole or chisel applicator. (See footnote (f).)
- (f) Make the first application using 14 to 17 gallons per acre. In 10 days, plow and make the second ap-lication using 7 to 8.5 gallons per acre.
- (g) For strawberries in areas where the planting are maintained more than one crop year.
- (h) For Hawaiian pineapple use these dosages preplant only. Allow at least 2 days between treatment and planting.
- (i) A postplant application may be made at this dosage applied within six months after planting. Use postplant application only if there has been no preplant treatment with DOWFUME W-40.

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CAUTION: Note Carefully, fumigation may temp soluble salts in the soil. This is most likely to occur applied to soils that are either cold, wet, acid, or roots, fertilize as indicated by soil tests made a nitrate starvation, or both, to crops, avoid using only fertilizers containing nitrates, until after the c is above 65°F. Certain crops including cotton, sugand the above rule does not apply to them. Limin nitrification and reduces the possibility of ammon

PRECAL

To avoid reinfestation of treated soil, do not use to soil-borne pests from infested land. Clean rig co-ommended for extremely heavy soils or land to be is not recommended for control of wireworms. So maggots, and certain other soil-inhabiting insect worms, since they usually are not present at the til authorities for suggestions for the control of these

Do not use containers, handling or application their allays. Store in **tightly closed** containers in storage, store drums on the r sides. If DOWFUME warm to 50°F, and mix thoroughly before using.

Do not store near seeds, plants, fertilizers or oth

Decontaminate containers by burying unused present supplies. Allow inside of thoroughly drain Destroy container to prevent re-use.

NOTICE: Buyer assumes all risks of use, storag cordance with directions given herewith.



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skin with soop and water, flush eyes with plenty of attention. Do not wear shoe, or clothing until abs. If illness results from inhalation, remove to fresh of swallowed, call a doctor, induce vomiting by table salt in a glass of warm water.

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EFFECTIVE SOIL FUMIGANT CONTAINING ETHYLENE DIBROMIDE, USEFUL IN THE CONTROL OF WIREWORMS, NEMATODES AND CERTAIN OTHER SOIL PESTS

DOSAGE AND USE RECOMMENDATIONS

The is preply to only except as indicated by footnote to Do not exceed maximum dosage per acre in a single year

			Gallons	Linear ft'pt chisel	
Pest to be Controlled	Type of Application	Remarks	Per	Low Rate	High Rate
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NOTICE Business make a tracks of a contract of the contract of and consiste done to complete by expension

Do Not Get on Skin in Eyes or on Clothing * Avoid Breathing visit Do Not Take Internally

CALL A DOCTOR IN CASE OF POISONING

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TRIANGLE CHEMICAL CO. Macon, Ga.

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TPATA, No. 1842 GAA FPA Reg. No. 1842-243