**ACTIVE INGREDIENT:** Ethylene Dibromide INERT INGREDIENTS

17%

**TOTAL 100%** 

1 gallon of COAST-O FUME W-85 contains 12 pounds (approximately 2/3 gallon) of Ethylene Dibromide. E.P.A. Registration No. 11656-19

Use COAST-O-FUME W-85 fumigant 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 lima beans, broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, flora! crops, 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 furnigant 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 and 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 furnigant 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 undistrubed 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 fall 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 odor 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 per iod should be 3 to 6 months.



# COAST-O-FUME W-85

# High Strength Soil Fumigant

**USEFUL IN THE CONTROL OF NEMATODES** AND CERTAIN OTHER SOIL-BORNE PESTS

## DOSAGE AND USE RECOMMENDATIONS

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

Crip or Areas	Pest to be Controlled	Type of Application	Remarks	Gallons per Acre	Linear ft/pt/chisei
					Low High Rate Rate
Row Crops: Beans (lima), broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra, par snips, peppers, potatoes (sweet), squash (summer), strawberries, tobacco, and tomatoes	All nema todes except encysted eggs & larvae tof sugar beet, golden & re lated species		Loam or Sandy Soil	4½ to 6	1210 to 910
			Muck Soil	9	605
	Wireworms (a) Symphylans (b) & all nema todes with exceptions above		Loam or Sandy Soil	4'5 to 6 (c)	1210 to 910
Potatoes (d) (white)	All nema todes except potato rot & cyst forming species	Overall or Row	Loam or Sandy Soil	4'₂ to 6	1210 to 910
	Wireworms (a) Symphylans (b) & all nema todes with exceptions above		Loam or Sandy Soil	4:, to 6 (c)	1210 to 910
	Potato rot nematodes & wireworms	Overal' (e)	Wisconsin and Idaho	4 to 5 (f)	1365 to 1024
				2 to 2½ (f)	2730 to 2048
Strawberries (g)	Nematodes	Overall or Row	Wherever needed	9	605
Nursery and Floral Crops, Seedbeds	All nema todes except encysted eggs& larvae of sugar beet, golden & re lated species	Overail or Row	Wherever needed	6	910
Fruit Tree Planting Sites	Nematodes (except en cysted forms	Overall or Strip	Wherever needed	15	365
Pineapple	Nematodes	Row	Wherever needed	9 to 18 (h)	605 to 303
Peanuts*	Nem Hodes	Overall or Row	Wherever	3 to 4'2	1820 to 1210



KEEP OUT OF REACH OF CHILDREN HAZARDOUS LIQUID AND VAPOR

ABSORBED THROUGH SKIN . MAY CAUSE BURNS Do Not Get on Skin, in Eyes, or on Clothing Avoid Breathing Vapor • Do Not Take Internally CALL A DOCTOR IN CASE OF EXPOSURE

\*CAUTION 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 peanut kernels grown on soil furnigated with COAST-O-FUME W-85, the peanut hay and hulls will contain 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 misuse of such hay or hulls, do not sell to another party or otherwise introduce into commerce. Any forage crop grown on soil treated with a brornide-containing fumigant 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.

(a) For wireworms only, in Western Irrigated Land reduce dosage in 3 gal/A (1820) 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 6 gallon per acre rate for symphylan control

- (d) To avoid excessive bromide residue, do not use COAST-O-F UME W-85 if harvested potatoes will be furnigated with methyl bromide (e) Make two applications in the fall with plowsole or chisel applicator. [See
- (f) Make the first application using 4 to 5 gallons per acre. In 10 days, plow
- and make the second application using 2 to 2-1/2 gallons per acre. (g) For strawberries in areas where the plantings are maintained more than one
- (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. Apply as a side dressing 6 to 8 inches on both sides of the row. Use postplant application only if there has been no preplant treatment with

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Do not st Do not u magnesium, from dwellin W-85 is subje ly before usit Do not r or crushing &

WESTERN ABILITY, F IMPLIED, co product und(

**NET CONTENTS: 5 GALLONS** 

WESTERN FARM SERVICE, INC., 2401 Crow Canvon Road SAN RAMON CA



# COAST-O-FUME W-85

# High Strength Soil Fumigant

USEFUL IN THE CONTROL OF NEMATODES AND CERTAIN (THER SOIL-BORNE PESTS

## DOSAGE AND USE RECOMMENDATIONS

e as preplant only, except as indicated by footnote (i). Do not exceed maximum dosage per acre in a single year.

Pest to be Controlled Cation   Remarks   Der Acre   Rate   Rate			Type of		Gallons	ft/pt/chisel
todes except encysted encyst	Crop or Areas		Appli	Remarks	per	_
cucumbers, egg plant, lettuce, melons, okra, par snips, peppers? potatoes (sweet), squash (summer), strawberries, tobacco, and tomatoes above  Potatoes (d) (white)   Wireworms (a) Symphylans (b) & cyst forming species   Wireworms (a) Cyst forming species   Coam or Sandy Soil   Coam or Sandy Soil	(lima), broccoli, carrots, cauliflower, corn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra, par snips, peppers, potatoes (sweet), squash (summer), strawberries, tobacco, and	todes except encysted eggs & larvae of sugar beet, golden & re		Sandy	4'₂ to 6	1210 to 910
potatoes (sweet), squash (summer), strawberries, tobacco, and todes with exceptions above  All nema todes except potato rot & Cyst forming species  Potatoes (d) (white) Symphylans (b) & all nema todes with exceptions above  Potatoes (d) (white) Symphylans (b) & all nema todes with exceptions above  Potator ot nematodes & wirth exceptions above  Potator ot nematodes & wireworms (a) wireworms  Potator ot nematodes & wireworms  All nema todes with exceptions above  Potator ot nematodes & wireworms  Strawberries (g) Nematodes  Nursery and Fforal Crops, Seedbeds  All nema todes except encysted engs & larvae of sugar beet, golden & re  Symphylans (b) Sandy Soil  Loam or Sandy Soil  Loam or Sandy Soil  Loam or Sandy Soil  Virscoming 4'; to 6 (c) 1210 to 910  All nema todes except encysted encysted encysted of sugar beet, golden & re				1	9	605
todes except potato rot & cyst forming species  Potatoes (d) (Wireworms (a) Symphylans (b) & all nema todes with exceptions above  Potato rot nematodes & wireworms  Strawberr es (g) Nematodes  All nema todes except encysted eggs & larvae of sugar beet, golden & re		Symphylans (b) & all nema todes with exceptions		Sandy	4½ to 6 (c)	1210 to 910
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nematodes & Gverall and Idaho 2 to 2½ (f) 2730 to 2048  Strawberr es (g) Nematodes Overall or Row needed 9 605  Nursery and Fforal todes except encysted encysted eggs & larvae of sugar beet, golden & re	FOLDIOES (U)	Symphylans (b) & all nema todes with exceptions		Sandy	4', to 6 (c)	1210 to 910
Strawberr es (g)  Nematodes  Overall Wherever needed  All nema todes except Overall Wherever encysted encysted eggs & larvae of sugar beet, golden & re  Overall Wherever needed 6 910		nematodes &	-	; and		<del></del>
Nursery and Fforal todes except Overall Wherever encysted or Row needed 6 910 eggs & larvae of sugar beet, golden & re	Strawberr es (g)			Wherever	<del></del>	605
<del></del>		todes except encysted eggs& larvae of sugar beet, golden & re			6	910
Fruit Tree Planting Nematodes Overall Wherever 15 365 Cysted forms or Strip needed		(exceptien		1	15	365
	Pineapple	Nematodes	Row	needed	9 to 18 (h)	605 to 303
needed 6 (i) 910					<b></b>	910
Peanuts* Nematodes O erall Wherever or Row needed 3 to 45 1820 to 121	Peanuts*	Nematodes		1	•	1820 to 1210



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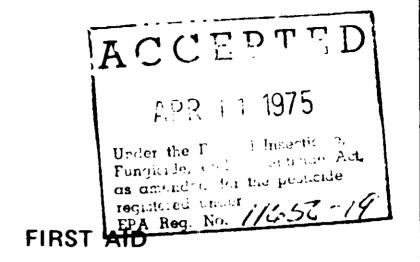
(e) Make two applications in the fall with plowsole or chisel applicator. [See footnote (f)].

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(i) A postplant application may be made at this dosage applied within six months after planting. Apply as a side dressing 6 to 8 inches on both sides of the row. Use postplant application only if there has been no preplant treatment with COAST-O-FUME W-85.



FIRST AID: In case of contact immediately remove contaminated shoes and clothing and wash skin with soap and water flush eyes with plenty of water for at least 15 minutes and get medical attention. Do not wear shoes or clothing until absolutely free of all chemical odor.

If illness results from inhalation, remove to fresh air and call a doctor

If swallowed, call a doctor. Induce vomiting by giving an emetic such as 2 tablespoonfuls of table salt in a glass of warm water.

#### CAUTION

CAUTION: 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, avoid using 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, summane, 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.

#### **PRECAUTIONS**

To avoid reinfestation of treated soil, do not use transplants, tools or crop remains that could carry soil-borne pests from infested land. Clean rigidarefully be fore using. COAST-O-FUME W-85 is not recommended for extremely heavy soils or land to be planted to onions within 2 years. Rew treatment is not recommended for control of wireworms. Soil fumigation will not control flea beetle larvae, maggots, and certain other soil-inhabiting insects which cause damage similar to that of wireworms, since they usually are not present at the time of funigation. Consult State Agricultural Experiment Station or State Extension Service Special ist for suggestions for the control of these pests.

Do not store near seeds, plants, fertilizers or other pesticide chemicals

Do not use containers, handling or application equipment made of aluminum, magnesium, or their alloys. Store in tightly closed containers in a cool place away from dwellings. In outside storage, store drums on their sides. If COAST-O FUME W-85 is subjected to temperatures below 28° F, warm to 50° F, and mix thorough ly before using.

Do not reuse drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

## **NOTICE OF WARRANTY**

WESTERN FARM SERVICE, INC. MAKES NO WARRANTY OF MERCHANT-ABILITY, FITNESS FOR ANY PURPOSE OR OT ERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which—end beyond the use of the product under normal conditions in accord with the catements made on this label.

**NET CONTENTS: 5 GALLONS** 

Linear