PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS:

DANGER

This soil fumigant is a hazardous chemical which should be handled with care only by individuals experienced with its use. Get use instructions from your dealer representative or an Ethyl Corporation technical representative before using. Read and follow all label directions.

EDB 100 can cause severe skin burns, which may be delayed. Breathing of its vapor can cause illness and internal damage. When exposure to vapor is likely, wear a full face gas mask with black cannister meeting specifications jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provisions of 30CFR, pt II.

ENVIRONMENTAL HAZARD

This fumigant is toxic to fish and wildlife. It should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

CHEMICAL HAZARD

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Do not use containers or application equipment made of magnesium, aluminum or their alloys, as under certain conditions this fumigant may be severely corrosive to such metals.

STORAGE AND DISPOSAL

STORAGE: Do not store near seeds, plants, fertilizers of other pesticide chemicals. Store in tightly closed containers in a cool place away from dwellings. In outside storage, store drums on their sides. If EDB /00 is subjected to temperatures below 50°F., warm to 55°F. and mix thoroughly before using.

DISFOSAL OF WASTE PESTICIDE: Rinse emptied containers with diesel fuel and use for soil treatment if possible. EDB /00 or mixtures thereof, including non-usable rinse solution which cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

DISPOSAL OF EMPTY CONTAINERS: Triple rinse with diesel fuel or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

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ACCEPTED with COMMENTS In EPA Letter Datest

DEC 3 1982

Under the Fischeld I Fungicia, and tush as amended, for the melatared under FPA 4. 33777-14



CONCENTRATED ETHYLENE DIBROMIDE FUMIGANT USEFUL IN THE CONTROL OF NEMATODES AND CERTAIN SOIL BORNE PEST3

ACTIVE	INGREDIENTS:	BY WT.
Ethy]	lene Dibromide	100%

One gallon of EDB 100 contains 18.1 pounds of Ethylene Dibromide.

KEEP OUT OF REACH OF CHILDREN



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED-Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED - Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN - Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES - Flush eyes with plenty of water. Call a physician immediately.

See Side Panel For Additional Precautionary Statements

Chemicals

Group

ETHYL CORPORATION Ethy

EPA Est. 3377AR-1 EPA Reg. No. 3377--

DIRECTIONS FOR USE

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

Use EDB / (∞) as a preplanting treatment to control nematodes (other than encysted eggs and larvae of the sugar beet nematode, golden nematode, and related species), wireworms and garden centipedes (symphylans) in land to be planted to any of these crops listed in the table on the next panel. EDB /OO is usually applied as an overall 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. See other side panel for applicable crops and application procedures. Use only as directed. If in doubt, consult with your county or state agricultural agent or the technical representative of your supplier. Note carefully the essential precautions to p_1 -tect the soil and crops.

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 scaling 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 (50-95⁰F.), 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 fumigant at least 5 to 8 inches below the final soil surface planting lewel. 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 PLANFING: At the end of the exposure period, aerate the soil by plowing or deep chltivation. 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. Assaulten is usually complete when the odor of the funigant is not 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 in the source of the should be achieved about one week after the source period.

WAR RANTY	

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or bandling of this material when such use and/or handling is contrary to label instructions. PRECAUTIONS TO PROTECT THE SOIL AND CROPS

NOTE: Funigation may temporarily raise the level of ammonia nitrogen and solu likely to occur when heavy rates of fertilizer and funigant are applied to soluting high in organic matter. To avoid injury to plant roots, fertilize as indicated to avoid ammonia injury or nitrate starvation, or both, to crops, avoid using and use only fertilizers containing nitrates, until after the crop is well es above 65°F. Certain crops including cotton and pineapple are tolerant to ammon to them. Liming highly acid soils before funigation stimulates nitrification a toxicity.

TO AVOID REINFESTATION of treated soil, do not use transplants, tools or cropests from infested land. Clean rig carefully before using. EDB 100 is not reland to be planted to onions within 2 years. Row treatment is not recommending will not control flea beetles larvae, maggots, and certain other soil similar to that of wireworms, since they usually are not present at the time of

CROP	AND	DOSAGE	INFORMATION	

Use for preplant treatment only, unless otherwise indicated. Do not exceed maxi

Crop or Areas	Pest to be Controlled	Type of Application	Re
Row Crops: Asparagus, Beans (Lima) broccoli, carrots, cauliflower,	All nematodes except	Overall or	Lo Sar
corn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra,	golden and related species	Row	
parsnips, peppers, potatoes (sweet) squash (summer), strawberries, tobacco and tomatoes.	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	La San
	All Nematodes except potato rot and cyst forming species	Overall or Row	Lo Sat
Potato e s (d) white	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	L. Sai
	Potato rot mematodes and wireworms	Overal1	W1 &
itrawberries (f)	Nematodes	Overall or Row	Wh
Gladiolus, Nursery and Floral Crops, Seedbeds	All nematodes except encysted eggs and larvae of sugar beet golden and related species	Overall or Row	Wh D
Fruit Tree Planting Sites	Nematodes	Overall or Strip	Wh n
Pineapple	Nematodes	Rov	Wh
Peanuts (i)	Nematodes	Row	Wh

Dosages given are for overall application. For row treatment the amount of

be proportionally less depending on the distance between rows. (a) For wireworms only, on western irrigated land reduce dosage to 2 gal./A.

(b) For best results against symphylans (garden centipedes), apply during late

(c) Always use the 4 gallons per acre rate for symphylan control.

d) To avoid excessive bromide residue do not use EDB 100 if harvested potatoes

(e) Make two applications in the fall with plow sole or chisel application. Make

3, 3, 3 gallons per acre. About 10 days later, plow and make the second application f(f) for strawburries in areas where the plantings are maintained more than one

(g) For Hawaiian pineapple use these dosages preplant only. Allow at least 2 a

(n) A postplant application may be made at this dosage within six months after

" "dressing applied 6 to 8 inches on both sides of the row.

(1) CAUTION CONCERNING PEANUT HAY AND HULLS: Although a safe tolerance has been Drug Administration for residues of bromides in peanut kernels grown on so?
* hay and hulls will contain bromide residues not covered by a tolerance. Su

suitable as feed for meat or lactating dairy animals. To avoid misuse of si autother party or otherwise introduce into commerce. Any forage crop grown of

• Swomide-containing fumigant should not be used as a feed for dairy animals of slaughter until 2 years after row treatments are made and 3 years following

NOTE: The U.S. Food and Drug Administration has established maximum amounmillion) that may remain on raw agricultural products at harvest. The above i available information and if followed carefully should not leave excessive res to see that there is no residue at harvest time in excess of the established mar

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ONS FOR USE

law to use this product in a manner with its labeling.

treatment to control nematodes (other ; of the sugar beet nematode, golden a), wireworms and garden centipedes inted to any of these crops listed in . EDB //// is usually applied as an . treatment may be used on cotton, .rops for which this type of treatment s, annual treatment is required. See >le crops and application procedures. doubt, consult with your county or the technical representative of your essential precautions to protect the

PPLICATION AND PLANTING

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ressed or implied, concerning the use adicated on the label. Buyer assumes ling of this material when such use label instructions.

PRECAUTIONS TO PROTECT THE SOIL AND CROPS

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NOTE: Funigation 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 funigant are applied to soils that are either cold, wer, acid, or high in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests, made after funigation. 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 and pineapple are tolerant to ammonia and the above rule does not apply to them. Liming highly acid soils before funigation stimulates nitrification and reduces the possibility of ammonia toxicity.

TO AVOID REINFESTATION of treated soil, do not use transplants, tools or crop remains that could carry soil~borne pests from infested land. Clean rig carefully before using. EDB 100 is not recommended for extremely heavy soils or land to be planted to onions within 2 years. Now treatment is not recommended for control of wireworms. Soil fumigation will not control flem beetles 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 fumigation.

CROP AND DOSAGE INFORMATION

Use for preplant treatment only, unless otherwise indicated. Do not exceed maximum dosage per acre in a single year.

Crop or Areas	Pest to be Controlled	Type of Application	Rezarks	Gallons Per Acre *
Row Crops: Asparagus, Beans (Lima) broccoli, carrots, cauliflower,	All nematodes except encysted eggs and larvae of sugar beet,	Overall or	Loam or Sandy Soil	3 to 4
corn (sweet), cotton, cucumbers, egg plant, lettuce, melons, okra,	golden and related species	Row	Muck Soil	6
parsnips, reppers, potatoes (sweet) squash (summer), strawberries, tobacco and tomatoe		Overall	Loam or Sandy Soil	3 - 4 (c)
	All Nematodes except potato rot and cyst forming species	Overall or Row	Lnam or Sandy Soil	3 - 4
Potatoes (d) white	Wireworms (a) Symphylans (b) and all nematodes with exceptions above	Overall	Loam or Sandy Soil	3 - 4 (c)
	Potato rot nematodes and wireworms	Overal1	Wisconsin & Idaho	3 to 3.3 (e) 1.3 to 1.6 (e)
Strawberries (f)	Nematodes	Overall or Row	Wherever needed	6
Gladiolus, Nursery and Floral Crops, Seedbeds	All nematodes except encysted eggs and larvae of sugar beet golden and related species	Overall or Row	Wherever needed	4
Fruit Tree Planting Sites	Nematodes	Overall or Strip	Wherever needed	10
Pineapple	Nematodes	Row	Wherever needed	6 to 12 (g) 4 (h)
Peanuts (1)	Nematodes	Row s to table	Wherever needed	2 to 3

Footnotes to table

Dosages given are for overall application. For row treatment the amount of fumigant needed per acre will be proportionally less depending on the distance between rows.

(a) For wireworms only, on western irrigated land reduce dosage to 2 gal./A .

(b) For best results against symphylans (garden centipedes), apply curing late summer or early fall when soil is warm. (c) Always use the 4 gallons per scre rate for symphylan control.

(f) For strawberries in areas where the plantings are maintained more than one crop year. (g) For Hawaiian pineapple use these dosages preplant only. Allow at least 2 days between treatment and planting.

(h) A postplant application may be made at this dosage within six months after planting. Make the treatment as a side • Areasing applied 6 to 8 inches on both sides of the row.

(1) 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 funigated with EDB 100, 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

•• bromide-containing fumigant should not be used as a feed for dairy animals or for animals being finished for slaughter untri 2 years after row treatments are made and 3 years following overall treatments.

NOTE: The U.S. Food and Drug Administration has established maximum amounts of pesticide chemicals (in parts per million) that may remain on raw agricultural products at harvest. The above dosage directions are based on the best available information and if followed carefully should not leave excessive residues. It is the user's responsibility to see that there is no residue at harvest time in excess of the established maximum amount.