

1386-338

1-10-1974

1/6

ACCEPTED
JAN 10 1974
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO.

UNICO
THIODAN^R
EMULSIFIABLE CONCENTRATE

1386-338

ACTIVE INGREDIENTS:

Endosulfan (hexachlorohexahydromethono-2,4,3-ben-
zodioxathiepin oxide)* 22.8%
Aromatic petroleum derivative solvent. 70.2%
INERT INGREDIENTS 7.0%
TOTAL 100.0%

CONTAINS 2 POUNDS ENDOSULFAN PER GALLON

*Thiodan - T.M. Reg. U.S. Pat. Off., Farbwerke Hoechst A.G.

WARNING

KEEP OUT OF REACH OF CHILDREN

See Remainder of WARNING Statement on Side Panel

EPA REG. NO. 1386-338

NET VOLUME

1 U.S. QUART LIQUID

PROD. 241

ACCEPTED
JAN 10 1974
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO.

Manufactured By
UNIVERSAL COOPERATIVES, INC.
Alliance, Ohio 44601

1386-338

2/6

R
UNICO THIODAN EMULSIFIABLE CONCENTRATE

DIRECTIONS FOR USE

To mix, add this material to the required amount of water and agitate thoroughly. Some agitation is required during application. Apply as a spray.

BEANS, Succulent and Dry (Except Lima Beans): To control Black Bean Aphid, Bean Leaf Skeletonizer, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle use 1 to 2 quarts per acre. Western Bean Cutworm use 2 quarts per acre. Do not exceed 3 applications per season. Do not feed threshings or allow livestock to graze in treated fields. DO NOT APPLY WITHIN 3 DAYS OF HARVEST.

BROCCOLI, CABBAGE, BRUSSELS SPROUTS AND CAULIFLOWER: To control Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug, use 1-1/2 to 2 quarts per acre. Armyworms, cutworms use 2 quarts per acre. Do not apply to Broccoli or Cabbage within 7 days of harvest. Do not apply to Brussels Sprouts or Cauliflower within 14 days of harvest.

CARROTS: To control Green Peach Aphid use 1 to 2 quarts per acre. Do not exceed 2 applications. Do not use tops for feed or food. Do not apply within 7 days of harvest.

CELERY: To control Green Peach Aphid, Cabbage Looper use 1 to 2 quarts per acre. Do not exceed 3 applications. Do not apply within 7 days of harvest.

CUCUMBERS, MELONS, SQUASH: To control Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickleworm, Rindworm (on watermelons), Squash Beetle, Squash Bug, Squash Vine Borer use 1 to 2 quarts per acre. For vine borer control apply weekly to flowerbuds, stems, and vine beginning when moths first appear. For Cabbage Looper and Omnivorous Leaf Roller on melons use 2 quarts per acre



3/4

EGGPLANTS: To control Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly use 1 quart per acre.*
Do not use within 1 day of harvest.

KALE: To control Flea Beetle, Harlequin Bug, Imported Cabbageworm use 1-1/2 quarts per acre. Do not exceed 1 application. Do not apply within 21 days of harvest.

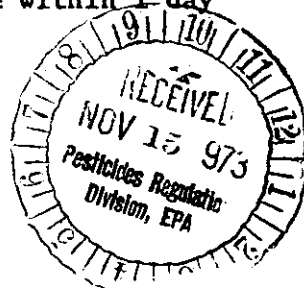
LETTUCE: To control Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm use 1-1/2 to 2 quarts per acre. Do not exceed 3 applications after thinning head lettuce and remove outside leaves at harvest. Do not exceed 2 applications per season on leaf lettuce. Do not feed crop refuse to livestock. Do not apply within 14 days of harvest.

PEAS, Succulent: To control Pea Aphid, Pea Weevil use 1 to 2 quarts per acre. Do not exceed 2 applications during the fruiting period. Use only on Peas to be harvested by combine. Do not feed treated vines to livestock or allow to graze in treated fields. Do not apply within 1 day of harvest.

PEPPERS: To control Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggot use 1 to 2 quarts per acre. Do not apply within 4 days of harvest.

POTATOES: To control Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Bug, Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly use 1 to 2 quarts per acre. European Corn Borer, Potato Psyllid use 1-1/2 to 2 quarts per acre. False Chinch Bug use 2 quarts per acre. Three-lined Potato Beetle use 1 quart per acre. Do not use within 1 day of harvest.

PUMPKINS: To control Aphids, Cucumber Beetles, Squash Vine Borer, use 1 to 2 quarts per acre. For Vine Borer control apply weekly to flower buds, stems and vines beginning when moths first appear. Do not use within 1 day of harvest.



4/6

SPINACH: To control Crown Mite and Green Peach Aphid use 1-1/2 quarts. Do not exceed one application. Do not use within 21 days of harvest.

STRAWBERRIES: To control Cyclamen Mite use 4 quarts per acre in 400 gallons of water. Do not apply at intervals of less than 35 days when fruit is present. To control Meadow Spittlebug, Strawberry Aphid, Tarnished Plant Bug use 2 quarts per acre in 200 gallon of water. Do not apply at intervals of less than 15 days or more than twice during any 35 day period when fruit is present. Do not apply within 4 days of harvest.

SWEET CORN (Fresh vegetable only): To control Corn Leaf Aphid use 2 quarts per acre. To control Corn Earworm use 3 quarts per acre. Apply at 2 to 3 days intervals beginning when silks just appear and continuing until they begin to dry. Do not exceed 5 applications. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage to livestock or allow to graze in treated fields.

TOBACCO: To control Flea Beetle, Hornworm, Budworm, Green Peach Aphid, Cabbage Looper in fields use 1 quart per acre. In Seed Beds, mix 1 quart per 100 gallon of water and apply 6 gallons of spray per 100 square yards. For Green June Bug Larvae use 1/2 quart per 100 gallons of water and drench plant bed with 1 gallon spray per square yard. For Stink Bugs use field application of 2 to 3 quarts per 100 gallons. Do not apply within 5 days of harvest.

TOMATOES (Field and Greenhouse): To control Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid use 1 quart per acre. To control Hornworms use 1 to 2 quarts per acre. To control Potato Russet Mite, Tomato Fruitworm, Yellow-striped Armyworm use 2 quarts per acre. To control Stink Bugs use 1-1/2 to 2 quarts per acre. To control Cabbage Looper use 1-1/2 quarts per acre. To control Whitefly use 1 quart per 100 gallons in 100 to 200 gallons of water. Do not apply within 1 day of harvest.



5/6

DOSAGES FOR SMALL APPLICATION EQUIPMENT:

1 Pint per acre 2½ Teaspoonfuls per 1,000 sq.ft.
1 Quart per acre 4½ Teaspoonfuls per 1,000 sq. ft.
1 Quart per 100 gallons 2 Teaspoonfuls per gallon

WARNING

HAZARDOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN! Do not breathe vapor or spray mist. Do not contact with skin, eyes, or clothing. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention. Wash thoroughly with soap and water after handling and before eating or smoking; wear clean clothing. During exposure as in commercial spray-mixing and loading operation, wear clean synthetic rubber gloves and a mask or respirator of a type passed by the U.S. Bureau of Mines for endosulfan protection. Do not contaminate feed and foodstuffs. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Workers entering treated areas within 48 hours of an application should wear protective clothing.

This product is poisonous to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply to crops or areas other than those for which directions are stated in this label. Do not apply when weather conditions favor drift of spray from area treated. Do not use where runoff may occur as a result of heavy rain. Clean application equipment and dispose of rinse solutions, wastes, and unused chemical in a pit on non-crop land located well away from water supplies.

THIS PRODUCT IS TOXIC TO BEES AND SHOULD NOT BE APPLIED WHEN BEES ARE ACTIVELY VISITING THE AREA.



6/6

Do not store or use near heat or open flame. Keep containers closed when not in use. Leaking containers must be removed to a safe place. Do not store where temperature will go below 32° F.

DESTROY EMPTY CONTAINERS. Do not reuse this container for any purpose. If container is glass, break into previously prepared pit on non-crop land well away from water supplies, and bury fragments deeply. If container is metal, punch holes in top and bottom, crush under wheels of heavy vehicle or with an axe, and bury crushed container in a pit on non-crop land well away from water supplies.

NOTICE

Use only for the purposes and in compliance with the limitations, cautions or warnings stated on this label.

