

DIRECTIONS FOR USE

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage. Unless otherwise noted for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Do not plant in areas other than carrots, potatoes, sweet potatoes and sugar beets as follows: Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides.

When applying this material by aircraft to row crops listed below, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts are recommended mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Thiodan 2 C.O. EC used. Do not use in undrained furrows. Observe days interval between last application and harvest indicated by number in following the crop.

ALMONDS: Peach Twig Borer — Use 4 to 5 quarts per acre for control of early season infestation. Apply during popcorn, pink or petal fall in a minimum of 200 gallons dilute or 40 gallons per acre concentrate. For areas less than one acre use 1 quart per 100 gallons. Do not exceed one application per season.

APPLES: Apple Aphid, Rosy Apple Aphid — Use 1 quart per 100 gallons of water or 4 to 5 quarts per acre. Do not make more than 3 applications during the fruiting period. Apply within 21 days of harvest, or do not apply within 30 days of harvest with minimum of the number of applications. Apple Rust Mite — Use 1½ to 2 pints per 100 gallons of water or 6 to 8 quarts per acre. Do not apply more than twice during the fruiting period. Do not feed pomace to livestock. Do not apply within 30 days of harvest.

APRICOTS, NECTARINES: Catfacing Insects, Green Peach Aphid, Peach Twig Borer — Use 1 quart per 100 gallons of water or 4 to 5 quarts per acre. Peach Silver Mite — Use 1 pint per 100 gallons of water or 4 to 5 quarts per acre. Do not make more than 2 applications during the fruiting period. Do not apply within 30 days of harvest. Peachtree Borer — Use 1½ quarts per 100 gallons of water or 1 quart per 100 gallons of water in Western Areas. Spray all bark areas from ground level to scaffold limbs. Do not apply within 21 days of harvest.

CHERRIES (21): Eyespotted Bud Moth (Pacific Northwest Only) — Use 1 quart per 100 gallons of water. Apply during "popcorn" stage of growth. Fruittree Leafroller (Pacific Northwest Only) — Use 1 quart per 100 gallons of water. Apply during pre-pink stage of growth. Plum Nursery Mite — Use 1 quart per 100 gallons of water or 4 to 5 quarts per acre. Do not make more than 2 applications after shuck split.

CITRUS — non-bearing trees and nursery stock: Citrus Aphid — Use 1 pint per 100 gallons of water or 5 quarts per acre. Do not apply to bearing trees or trees that will bear fruit within 12 months. NOTE: Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

GRAPES (7): Grape Leafhopper — Use 1 quart per 100 gallons of water or 2 to 3 quarts per acre. Rose Chafer — Use 1 quart per 100 gallons of water. Do not apply to Concord variety as severe injury is likely to occur. Ground application equipment preferred.

PEACHES: Black Cherry Aphid, Black Peach Aphid, Catfacing Insects, Green Peach Aphid, Peach Twig Borer, Rosy Plum Aphid — Use 1 quart per 100 gallons of water or 4 to 5 quarts per acre. Peach Silver Mite — Use 1 pint per 100 gallons of water or 4 to 5 quarts per acre. Do not make more than 2 applications during the fruiting period. Do not apply within 30 days of harvest. Peachtree Borer — Use 3 pints per 100 gallons of water (2 pints per 100 gallons of water in Western Areas). Spray all bark areas from ground level to scaffold limbs. Do not apply within 21 days of harvest.

PEARS (7): Conspicuous Stink Bug — Ground treatment, use 1 quart per 100 gallons of water; 200 to 400 gallons per acre applied to orchard floor and ground trees prior to bloom. Do not graze livestock in treated orchards. Foliar treatment, use 1 quart per 100 gallons of water or 4 to 5 quarts per acre. Pearleaf Blister Mite — Use 1 to 2 pints per 100 gallons of water applied as a post-harvest or dormant treatment. Do not make more than 2 applications during the fruiting period. (21): Pear Psyllid — Use 5 quarts in sufficient water to treat 1 acre. (Minimums of 100 gallons per acre for aerial application, 40 gallons per acre for semi-concentrate and 300 gallons per acre for dilute). Apply when adults are first observed or nymphs are small and repeat to maintain control. Do not apply more than five times during the fruiting period. If no more than two applications are made during the fruiting period, may be applied within 7 days of harvest. Note: Aerial application does not result in satisfactory control and should only be employed if impossible to apply by ground.

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MANUFACTURED IN U.S.A. BY

AGRICULTURAL CHEMICAL DIVISION

MIDDLEPORT N.Y.
FRESNO CA

YAKIMA WA
RICHMOND CA

CODE
31994

Net Contents
5 Gallons

THIODAN® 2 C.O. EC

INSECTICIDE

EPA REGISTRATION NO. 279-2659-24

ACTIVE INGREDIENTS:

*Endosulfan Hexachlorohexahydromethano 2,4,3-
benzodioxathiepin oxide

INERT INGREDIENTS:

BY WT.

23.10%

20.00%

56.90%

100.00%

Thiodan is a registered trademark of Canadian Hoechst Ltd.

U.S. Patent No. 2,799,685.

Thiodan 2 C.O. EC contains 2 pounds Endosulfan (Thiodan) per gallon.

WARNING

KEEP OUT OF REACH OF CHILDREN

Hazardous If Swallowed, Inhaled or Absorbed Through Skin. Do not breathe spray mist. Do not get in eyes, on skin or on 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 commercial or prolonged exposure in spray-mixing and loading operations, wear clean synthetic rubber gloves and a mask or respirator of a type passed by the U.S. Bureau of Mines for Thiodan protection. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Workers entering treated areas within 24 hours of application should wear protective clothing. NOTE TO PHYSICIANS: Thiodan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote.

ENVIRONMENTAL AND DISPOSAL CAUTIONS

This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

Do not reuse empty 5-gallon containers. Destroy them by perforating or crushing. Bury or discard in a safe place away from water supplies.

Do not use in a manner or at a time other than in accordance with label directions because of damage, plant or crop injury, pest resistance or other undesirable results may occur.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME

DO NOT STORE AT TEMPERATURES BELOW 0°F

For Emergency Assistance Call: 716-715-3765

Dealer Should Sell in Original Packages Only

WARRANTY: FMC warrants that this product, as of the time of sale by FMC, (1) conforms to the ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. EXCEPT AS SO WARRANTED THE PRODUCT IS SOLD AS IS. FMC MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

ARTICHOKE (7): Artichoke Aphid, Green Peach Aphid — Use 1½ quarts per acre. Artichoke Plum Mite — Use 2 quarts per acre.

BARLEY, OATS, RYE, WHEAT: Army Cutworms — Use 1 quart per acre. Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals being finished for slaughter.

BEANS, dry and succulent (3): Bean LeafSkeletonizer, Brick Bean Aphid, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle — Use 1 to 2 quarts per acre. Do not make more than 3 applications per season. Do not feed treated thinnings to livestock or allow to graze in treated fields. Do not use on lima beans that are to be removed from the field for processing.

BROCCOLI (7), BRUSSELS SPROUTS (14), CABBAGE (7), CAULIFLOWER (14): Cabbage Aphid, Cabbage Looper, Cross Striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug — Use 3 to 4 pints per acre.

CARROTS (7): Green Peach Aphid — Use 1 to 2 quarts per acre. Do not make more than 2 applications. Do not use tops for food or feed.

CELERY (Whole Plant): Green Peach Aphid — Use 1 quart per acre. Do not apply within 7 days of harvest. Green Peach Aphid, Cabbage Looper — Use 1 to 2 quarts per acre. Do not make more than 3 applications. Do not apply within 4 days of harvest.

CORN — Sweet (10): For Fresh Vegetable Use Only: Corn Leaf Aphid — Use 2 to 3 quarts per acre. Corn Earworm — Use 3 quarts per acre. For Corn Earworm apply at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not apply more than 5 times. 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.

COTTON: Boll Weevil — Use 1 to 2½ quarts per acre. Bollworm, Cabbage Looper, Cucumber Beetles, Stink Bugs, Cotton Leafperforator — Use 2 quarts per acre. Thrips — Use 3 quarts per acre. Do not apply after bolls open. Do not graze meat or dairy animals in treated fields. Do not feed treated plant parts to meat or dairy animals.

EGGPLANTS (1): Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly — Use 1 quart per acre.

KALE (21): Cabbage Flea Beetle, Imported Cabbageworm, Harlequin Bug — Use 1½ quarts per acre. Apply only once during growing season.

LETTUCE (14): Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm — Use 2 quarts per acre. On Head Lettuce do not make more than 3 applications after thinning. Remove outside leaves at harvest. Do not feed crop refuse to livestock. On Leaf Lettuce do not make more than 2 applications per season.

MELONS (0), CUCUMBERS (0), SQUASH (Summer - Winter) (0): Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickleworm, Squash Bug, Squash Beetle, Rindworm, watermelon, Squash Vine Borer — Use 1 to 2 quarts per acre. For Squash Vine Borer control, apply weekly to flower buds, stems and vines beginning when moths first appear. Melons only: Cabbage Looper, Omnivorous Leafroller — Use 2 quarts per acre.

PEPPERS: Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggot — Use 1 to 2 quarts per acre. May be applied within 1 day of harvest at the 1 quart per acre rate. At a rate exceeding 1 quart do not apply within 4 days of harvest.

POTATOES (10): Aphids, Armyworms, Colorado Potato Beetles, Green Stink Bug, Leafhopper, Bg, Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tubeworm, Whitefly — Use 1 to 2 quarts per acre. European Corn Borer, Potato Psyllid — Use 3 to 4 pints per acre. Rose Chafer Bug — Use 2 quarts per acre. Three-lined Potato Beetle — Use 1 quart per acre.

SOYBEANS: Mexican Bean Beetle, Stink Bugs — Use 1 quart per acre. Do not apply after pods begin to form. Do not feed treated forage or thinnings to livestock.

SPINACH (21): Green Peach Aphid, Crown Mite — Use 1½ quarts per acre. Apply only once during growing season.

TOMATOES (Field and Greenhouse) (1): Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid — Use 1 quart per acre. Cabbage Looper — Use 3 pints per acre. Stink Bug — Use 3 to 4 pints per acre. Tomato Fruitworm, Tomato Root Mite, Yellow-striped Armyworm — Use 2 quarts per acre. Tomato Hornworm — Use 1 to 2 quarts per acre. Whitefly — Use 1 quart per 100 gallons of water, using 100 to 200 gallons finished spray per acre.

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