

## 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 root crops other than carrots, potatoes, sweet potatoes and sugar beets as follow-up crops. 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 undiluted form. 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 nor apply within 21 days of harvest; or do not apply within 30 days of harvest with no limit on 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 (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. Fruitree 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, Rusty 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):** Consperse Stink Bug — Ground treatment, use 1 quart per 100 gallons of water; 200 to 400 gallons per acre applied to orchard floor and around 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 Psylla — Use 6 quarts in sufficient water to treat 1 acre. (Minimums of 10 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

**FMC CORPORATION**

AGRICULTURAL CHEMICAL DIVISION

MIDDLEPORT, N.Y.  
FRESNO, CA.

YAKIMA, WA  
RICHMOND, CA

CODE  
31994

Net Contents  
Gallons

**THIODAN® 2 C.O. EC**

## INSECTICIDE

EPA REGISTRATION NO. 279-2659 ZA

### ACTIVE INGREDIENTS:

\*Endosulfan; Hexachlorohexahydro-2,4,5-hexadithiophene-1,1-dioxide

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treated areas within 24 hours of application. Do not apply to livestock. NOTE TO PHYSICIANS: Thiodan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote.

BY WT.

23.10%  
20.00%  
56.90%  
100.00%

**ACCEPTED**

#279-2659

OCT 29 1974

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTER-  
ED UNDER NO. \_\_\_\_\_ SUBJECT  
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## ENVIRONMENTAL AND DISPOSAL CAUTIONS

This product is toxic to fish and wildlife. Keep out of lakes, ponds and streams. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from the areas treated. Do not apply where run-off is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes and containers. Apply this product only as specified on the label.

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

Do not re-use empty 1 and 5 gallon containers. Destroy them by perforating or crushing. Return 30 gallon drum to reconditioner or destroy it 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 animal, plant or crop injury, illegal residues 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  
716-735-3765

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.

**ARTICHOKES (7):** Artichoke Aphid, Green Peach Aphid — Use 1½ quarts per acre. Artichoke Plume Moth — Use 2 quarts per acre.

**BEANS, dry and succulent (3):** Bean Leafskeltonizer, Black 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 threshings 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), CABBAGEFLOWER (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 (8):** 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, Lygus Bugs, 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 (8), CUCUMBERS (8), SQUASH (Summer - Winter) (8):** 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, Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly — Use 1 to 2 quarts per acre. European Corn Borer, Potato Psyllid — Use 3 to 4 pints per acre. False Chinch Bug — Use 2 quarts per acre. Threelined 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 threshings 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 Beetles, Green Peach Aphid — Use 1 quart per acre. Cabbage Looper — Use 3 pints per acre. Stink Bugs — Use 3 to 4 pints per acre. Tomato Fruitworm, Tomato Russet Mite, Yellowstriped 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.

**FMC Chemicals**

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