

3

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:
GROUND APPLICATION—Vegetables and Field Crops—10 to 250 gals. Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals. Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre).
AIR APPLICATION—Vegetable and Field Crops—Use no less than 2 gals. Orchard Crops—Use no less than 15 gals.

Apply when insects appear and repeat as necessary unless otherwise noted. Add this material to required amount of water and agitate thoroughly. Apply with continued agitation if possible.

ALFALFA (grown for seed): Aphids—1 qt. per acre. Lygus Bug—3 to 4 qts. per acre. Spittlebug—1 pt. per acre. Do not feed treated forage to livestock. Do not use on forage to be sold commercially or shipped interstate.

ALFALFA (grown for forage): Spittlebug—1 pt. per acre. Apply 1 week after eggs begin to hatch or when first small masses of froth are produced in the crowns of the plant which is usually about the time the alfalfa is 4 to 6 inches tall. **Ground Application—**Apply in minimum of 10 gals. water per acre. **Airplane Application—**Apply in at least 2 gals. water per acre. Do not make more than 1 application per cutting. Do not graze or cut forage within 21 days of treatment.

APPLES: Apple Aphid, Rosy Apple Aphid—1 qt. per 100 gals. water (not more than 5 qts. per acre). May be applied up to 30 days before harvest with no limit on number of applications, or up to 21 days before harvest provided no more than 3 applications are made during fruiting period. Woolly Apple Aphid, Apple Rust Mite—1 qt. per 100 gals. water (not more than 8 qts. per acre). Do not apply within 30 days of harvest nor make more than 2 applications during fruiting period. Do not feed pomace from treated apples to livestock.

ARTICHOKES: Artichoke Aphid, Green Peach Aphid—1½ qts. per acre. Artichoke Plume Moth—2 qts. per acre. Do not apply within 7 days of harvest.

BARLEY, OATS, RYE, WHEAT: Army Cutworm—1 qt. per acre in water to cover. For Air Application—Use 1 qt. in 2 gals. diesel fuel oil per acre. Apply when larvae first appear and repeat as required. 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): Black Bean Aphid, Bean Leaf Skeletonizer, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle—1 to 2 qts. per acre. Cowpea Curculio—1 to 2 qts. per acre. Make 3 applications at 5 day intervals when pods are ½ inch long. Western Bean Cutworm—2 qts. per acre. Do not make more than 3 applications to the bean pods. Do not apply within 3 days of harvest. Do not feed treated threshings to livestock or allow to graze in treated fields. Do not use on lima beans.

BLUEBERRY: Blueberry Bud Mite—3 qts. per acre in 300 gals. water. Apply immediately after harvest and repeat 6 to 8 weeks later but do not apply after buds are well formed.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER: Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug—1½ to 2 qts. per acre. Armyworms, Cutworms—2 qts. per acre. Do not apply to Broccoli and Cabbage within 7 days of harvest and to Brussels Sprouts and Cauliflower within 14 days of harvest.

CARROTS: Green Peach Aphid—1 to 2 qts. per acre. Do not make more than 2 applications. Do not apply within 7 days of harvest. Do not use tops for food or feed.

CELERY: Green Peach Aphid—1 qt. per acre. Do not apply within 7 days of harvest. Green Peach Aphid, Cabbage Looper—1 to 2 qts. per acre, not more than 3 applications. Do not apply within 4 days of harvest.

COLLARDS: Cabbage Looper, Diamondback Moth Larvae, Harlequin Bug, Imported Cabbageworm—1½ qts. per acre. Do not apply more than once. Do not apply within 21 days of harvest.

SWEET CORN, FIELD CORN (Seed Crop Only): Corn Earworm—2 to 3 qts. per acre in water to cover. Do not spray to area of corn silks. Corn Leaf Aphid—2 qts. per acre in water to cover. Apply when aphids first appear. Repeat as necessary. Do not feed treated forage to livestock. Do not use seed for food, feed or oil purposes.

CORN (SWEET) For Fresh Vegetable Use Only: Corn Leaf Aphid—2 qts. per acre. Apply when aphids first appear and repeat as required. Corn Earworm—3 qts. per acre. Apply at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not make more than 5 applications. May be applied up to day of harvest. 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—1 to 2½ qts. per acre. Cotton Stink Bugs, Lygus Bug, Bollworm, Cabbage Looper, Cotton Leaf Perforator—2 qts. per acre. Trips—3 qts. per acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. Do not plant root crops other than carrots, potatoes, sweet potatoes and sugar beets as follow up crops.

CUCUMBER, PUMPKINS, SUMMER AND WINTER SQUASH: Aphids, Cucumber Beetles, Striped Flea Beetle, Squash Vine Borer, Melonworm, Pickleworm, Squash Beetle, Squash Bug—1 to 2 qts. per acre. For Vine Borer, apply weekly to flower buds, stems and vines beginning when moths first appear. May be applied up to day of harvest.

ELM TREES: Elm Leaf Beetle (New England Area Only)—2 qts. per 100 gals. water. Apply when 50 per cent of the overwintering eggs have hatched. Repeat as necessary to maintain control.

GRAPES: Grape Leafhopper, Rose Chafer—1 qt. per 100 gals. water (3 qts. per acre). Do not use on Concord variety of grapes as severe injury is likely to occur. Do not apply within 7 days of harvest.

LETTUCE: Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm—2 qts. per acre. Leaf Lettuce—Not more than 2 applications per season. Head Lettuce—Not more than 3 applications after thinning. Remove outside leaves at harvest. Do not feed crop waste to livestock. Do not apply to lettuce within 14 days of harvest.

KALE: Flea Beetle, Imported Cabbageworm, Harlequin Bug—1½ qts. per acre. Do not apply more than once. Do not apply within 21 days of harvest.

MACADAMIA NUT: Southern Green Stink Bug—2 qts. per 100 gals. water. May be applied up to day of harvest. Do not graze livestock in treated groves.

MELONS: Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickleworm, Squash Beetle, Squash Bug, Squash Vine Borer, Bittermelon—1 to 2 qts. per acre. For squash vine borer, apply weekly to flower buds, stems and vines, beginning when moths first appear. Cabbage Looper, Omnivorous Leaf Roller—2 qts. per acre. May be applied up to day of harvest.

MUSTARD GREENS, TURNIP GREENS: Aphids, Cabbage Looper, Imported Cabbageworm—1½ qts. per acre. Do not apply more than once. Do not apply within 21 days of harvest.

ORNAMENTALS (Greenhouse and Out-of-Doors): Aphids, Whitefly, Cyclamen Mite, Rose Chafer—1 qt. per 100 gals. water. Black Vine Weevil—2 qts. per 100 gals. In greenhouse applications, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 for THIODAN protection. May cause injury on Birch Trees, Bonnaton Deluxe and certain other varieties of Chrysanthemums.

PEACHES, APRICOTS, NECTARINES: Cottony Insects, Green Peach Aphid, Peach Twig Borer—1 qt. per 100 gals. water (not more than 5 qts. per acre.) Lesser Peach Tree Borer—1½ qts. per 100 gals. water. For Lesser Peach Tree Borer, thorough wetting of trunks and main branches is important. Peach Silver Mite—1 pt. per 100 gals. water (not more than 5 qts. per acre.) Do not apply within 30 days of harvest nor make more than 2 applications during fruiting period. Peach Tree Borer—WESTERN AREAS: 1 qt. per 100 gals. water. OTHER AREAS: 1½ qts. per 100 gals. water. Spray all bark areas from ground to scaffold limbs as required. Do not apply within 21 days of harvest. **PEACH NURSERY STOCK—**Peach



ORTHO THIODAN Emulsive

(INSECTICIDE)

Active Ingredients
Endosulfan
Aromatic Petroleum Derivative Solvent
Inert Ingredients
Hexachlorohexahydromethano-2,4,3-benzodioxole.
Contains 2 lbs. THIODAN per gallon
U.S. Pat. No. 2,799,687

WARNING: KEEP OUT OF REACH OF CHILDREN.
FOR AGRICULTURAL USE ONLY
ACCESSIBLE TO CHILDREN.



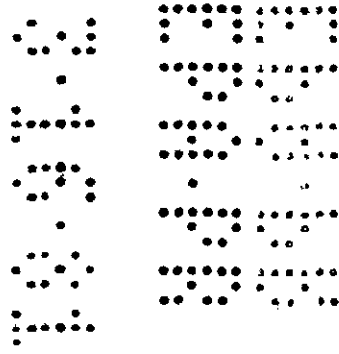
DO NOT TAKE
DO NOT INHALE
DO NOT GET ON SKIN

WARNING: May be fatal if swallowed or enters eyes, on skin or on clothing. In case of contact with skin or eyes, flush with plenty of water; for eyes, flush with soap and water after handling and before use. During commercial or prolonged exposure in spray applications, wear synthetic rubber gloves and wear a pesticide respirator and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 for THIODAN protection. Workers entering treated areas should wear protective clothing.

NOT TO PHYSICIANS: Emergency Information - Do not apply or allow to drift to areas occupied by humans. DO NOT USE, POUR, SPILL OR STOPPER closed. Do not use in undiluted form. Do not drift to food, forage or other plantings that might be unfit for sale, use or consumption.

This product is toxic to fish and wildlife. Birds should be kept out of lakes, ponds and streams during application or disposal of wastes. This product is toxic to bees and should not be applied to the area.

ACCEPTED
1981
No. 239-1305



Manufactured for
Chevron Chemical Company
Ortho Agricultural Chemicals Division
San Francisco CA 94119 Richmond CA 94804
Product 2806 Made in U.S.A.
Form 9335-D
EPA Reg. No. 239-1305-AA EPA Est. 279-CA-1

NET CONTENTS 5 GALLON
231



ORTHO

THIODAN® 2 Insecticide

INSECTICIDE

Ingredients	By Wt.
Active Ingredient	23.5%
Petroleum Derivative Solvent	68.5%
Other Ingredients	8.0%

2 lbs. THIODAN per gallon
U.S. Pat. No. 2,799,685

WARNING: KEEP OUT OF REACH OF CHILDREN.**AGRICULTURAL USE ONLY. DO NOT STROKE IN AREAS ACCESSIBLE TO CHILDREN.****TOP**

DO NOT TAKE INTERNALLY
DO NOT INHALE
DO NOT GET ON SKIN

WARNING: May be fatal if swallowed. Do not breathe spray mist. Do not get in skin or on clothing. In case of contact immediately remove contaminated clothing and wash skin or eyes with plenty of water; for eyes, get medical attention. Wash thoroughly with water after handling and before eating or smoking; wear clean clothing. In case of commercial or prolonged exposure in spray mixing and loading operations, wear clean rubber gloves and wear a pesticide respirator jointly approved by the Mining and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 for protection. Workers entering treated areas on the day of application should wear clean clothing.

Physicians: Emergency Information - call (415) 233-3737.
Do not apply or allow to drift to areas occupied by unprotected humans or beneficial insects. **DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.** Keep concentrated. Do not use in undiluted form. Do not apply under conditions involving possible fire, explosion, or other plantings that might be damaged or the crops thereof rendered unusable, use or consumption.

Product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Do not apply to or near lakes, ponds and streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

Product is toxic to bees and should not be applied when bees are actively visiting.

CONTENTS 5 GALLONS LIQUID

Tree Borer—1 gal. per 40 gals. water. Mix thoroughly. Immerse bundles of trees so that roots and crowns are covered well above grafting bud scar. If trees are not planted immediately, allow to dry before returning them to the storage cellar. Wear rubber gloves during dipping operation.
Black Cherry Aphid, Black Peach Aphid, Rusty Plum Aphid—1 qt. per 100 gals. water (not more than 5 qts. per acre.) Do not apply more than 2 times during fruiting period. Do not apply within 30 days of harvest.

PEARS: Consperse Stink Bug, Pear Rust Mite—1 qt. per 100 gals. water. (Not more than 5 qts. per acre.) Do not apply within 7 days of harvest. Do not make more than 2 applications during fruiting period. Stink bugs must be wet by spray to obtain control. Pear Leaf Blister Mite—1 to 2 qts. per 100 gals. water. Apply as a post harvest or dormant treatment. Consperse Stink Bug (Orchard Floor Treatment)—1 qt. per 100 gals. Apply 400 gals. per acre as a prebloom treatment to orchard floor and ground around trees. Do not graze livestock in orchards so treated.

PEAS (SUCCULENT): Pea Aphid, Pea Weevil—2 qts. per acre. Do not apply more than twice. Do not apply within 5 days of harvest. Use only on peas to be harvested by combine. Do not feed treated vines to livestock or allow livestock to graze in treated fields.

SOUTHERN FIELD PEAS including Black-Eyed Peas, Crowder Peas, Southern Peas (DRY & SUCCULENT): Consperse Curculio—1 to 2 qts. per acre. Make 3 applications at 5 day intervals starting when pods are 1/2 inch long. Do not apply within 3 days of harvest. Do not feed treated threshings to livestock or allow to graze in treated fields.

PECANS: Black Pecan Aphid—3 qts. per 100 gals. water. Do not apply after shucksplit. Do not graze meat or dairy animals in treated groves.
PEPPERS: Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggot—1 to 2 qts. per acre and do not apply within 4 days of harvest; or 1 qt. per acre and may be applied up to 1 day of harvest.

PLUMS, PRUNES: Fruitree Leafroller in PACIFIC NORTHWEST ONLY—1 qt. per 100 gals. water. Apply during prepink stage of growth. Hop Aphid, Leaf Curl Plum Aphid, Thistle Aphid, Plum Nursery Mite—1 qt. per 100 gals. water (not more than 5 qts. per acre). Apply when eggs hatch during prebloom or petal fall. Summer applications should be made before leaves curl. Lesser Peach Tree Borer—1 1/2 qts. per 100 gals. (not more than 4 1/2 qts. per acre). Apply spray to thoroughly wet trunks and main branches. Peach Tree Borer on West Coast—1 to 1 1/2 qts. per 100 gals. water. Peach Tree Borer in Other Areas—1 1/2 qts. per 100 gals. water. Spray thoroughly to cover all bark areas from ground to scaffold limbs. Peach Twig Borer—4 to 5 qts. per acre. Do not apply to Plums and Prunes within 7 days of harvest.

POTATOES: Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Bug, Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly—1 to 2 qts. per acre. European Corn Borer, Potato Psyllid—1 1/2 to 2 qts. per acre. False Chinch Bug—2 qts. per acre. Threelined Potato Beetle—1 qt. per acre. May be applied up to harvest. Do not plant root crops other than carrots, potatoes, sweet potatoes and sugar beets as follow up crops.

SAFFLOWER: Green Peach Aphid—2 qts. per acre. Do not apply after flower heads open. Do not plant root crops other than carrots, potatoes, sweet potatoes, and sugar beets as follow up crops.

SPINACH: Green Peach Aphid, Crown Mite—1 1/2 qts. per acre. Do not apply more than once. Do not apply within 21 days of harvest.

STRAWBERRIES: Cyclamen Mite—1 qt. per 100 gals. water. (West Coast—8 qts. per acre, Eastern Area—4 qts. per acre). Do not apply at intervals of less than 35 days when fruit is present. Meadow Spittlebug, Strawberry Aphid—2 qts. per acre. Do not reapply within 15 days or more than twice within a 35 day period when fruit is present. Tarnished Plant Bug—1 qt. per 100 gals. water (not more than 2 qts. per acre). Do not reapply within 15 days or more than twice within a 35 day period when fruit is present. Do not apply to Strawberries within 4 days of harvest.

STRAWBERRIES: Garden Symphylan (NORTHWEST ONLY)—Aids in reducing damage—2 qts. per 100 gals. Mix thoroughly. Dip entire plant. When immersing bundles of plants, make certain any trapped air is forced out to assure thorough wetting of entire plant. Drain and allow plants to dry before setting them out in the field. Wear rubber gloves during dipping operation. Do not apply within 4 days of harvest.

SUGAR BEETS: Green Peach Aphid—1 to 2 qts. per acre. Meadow Spittlebug—1 qt. per acre. Sugar Beet Webworm—1 1/2 to 2 qts. per acre. Do not feed treated sugar beet tops to livestock. Do not apply within 30 days of harvest.

SUNFLOWER: Sunflower Moth—Apply 2 qts. per acre in water to cover. Make first application at start of bloom and follow with two more applications at 4 to 7 day intervals. Do not make more than 3 applications. Do not feed treated forage to livestock.

SWEET POTATO: Sweet Potato Flea Beetle—1 qt. per acre. Apply shortly after transplanting or as soon as flea beetles appear. If necessary, make a second application 7 to 10 days later. Do not feed treated potatoes to livestock. In greenhouse applications, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 for THIODAN protection. To Aid in Control of Banded Cucumber Beetle Larvae (South Central States Only)—1 to 1 gal. per acre. Make only 1 application as a soil treatment at planting time. Treatment should be made just prior to plant set. Work into soil to a depth of approximately 3 inches.

TOMATOES: Cabbage Looper, Green Peach Aphid, Tobacco Budworm, Tobacco Flea Beetle, Tobacco Hornworm—Seed Bed—1 qt. per 100 gals. water (about 6 gals. spray per 100 sq. yards seed bed). Field—1 to 2 qts. per acre. Stink Bugs—2 to 3 qts. per 100 gals. water. Do not apply to field tobacco within 5 days of harvest. Green June Beetle Larvae—1 qt. per 100 gals. water. Drench plant beds at 1 gal. per sq. yd.

EGGPLANTS: Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly—1 qt. per acre. Do not apply within 1 day of harvest.

TOMATOES (Field and Greenhouse): Blister Beetles, Colorado Potato Beetle, Flea Beetles, Green Peach Aphid—1 qt. per acre. Cabbage Looper—1 1/2 qts. per acre. Stink Bugs—1 1/2 to 2 qts. per acre. Tomato Fruitworm, Yellow-striped Armyworm—2 qts. per acre. Tomato Hornworm—1 to 2 qts. per acre. Tomato Russet Mite—2 qts. per acre. Whitefly—1 qt. per 100 gals. water (100 to 200 gals. spray per acre). Do not apply to Tomatoes within 1 day of harvest.

WALNUTS: Walnut Aphid—3 to 4 qts. per acre. Do not apply after husksplit. Do not graze livestock in treated groves.

WATERCRESS: Cyclamen Mite—1 to 2 qts. per acre. Make first application after cutting, before new growth starts. Make second application 7 to 10 days later. Do not apply within 7 days of harvest.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.
Open dumping is prohibited.

STORAGE

Keep pesticide in original container.
Do not put concentrate or dilute into food or drink containers.
Not for use or storage in or around the home.
Store at temperatures above 25°F.

PESTICIDE DISPOSAL

Pesticide spray mixture, or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL

Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.

GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

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232