

WASH AND DESTROY CONTAINER WHEN EMPTY. NEVER RE-USE.

STORE AT TEMPERATURES ABOVE 25° F.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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.

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—4 to 1000 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 first 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.

APPLE: 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 quarts 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. Do not make more than 3 applications. Do not apply within 4 days of harvest.

COLLARDS: Cabbage Looper, Diamond Back Moth Larvae, Harlequin Bug, Imported Cabbageworm—1½ quarts 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. Direct 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 quarts per acre. Apply when aphids first appear and repeat as required. Corn Earworm—3 quarts 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 2 qts. per acre. Cotton Stink Bugs, Lygus Bug, Bollworm, Cabbage Looper, Cotton Leaf Perforator—2 qts. per acre. Thrips—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, Diamond-back Moth Larvae, Green Peach Aphid, Imported Cabbageworm—2 quarts 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 quarts 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.

Chevron Chemical Company

Ortho Division/ San Francisco, Calif. 94119

Richmond, California Fresno, California

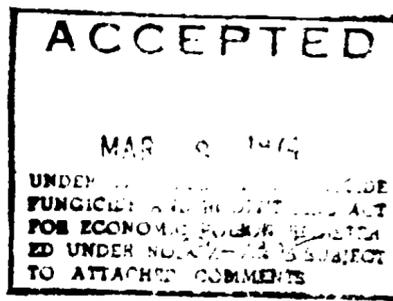
Des Moines, Iowa Perth Amboy, New Jersey Orlando, Florida

Form 5735 J2 Product 2806 Made in U.S.A.

EPA Reg. No. 239-1305-AA



ORTHO



THIODAN® 2 Emulsive

(INSECTICIDE)

Active Ingredients	By Wt.
*Endosulfan	23.5
Aromatic Petroleum Derivative Solvent	68.5
Inert Ingredients	8.0
*Hexachlorohexahydro-2,4,3-benzodioxathiepin oxide.	
Contains 2 lbs. Thiodan per gallon	
U. S. Pat. No. 2,799,685	



DO NOT TAKE INTERNALLY
DO NOT INHALE
DO NOT GET ON SKIN
KEEP OUT OF REACH OF CHILDREN

WARNING: 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 spraying 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. Workers entering treated areas on the day of application should wear protective clothing. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Keep container closed. Do not use in undiluted form. Do not store at temperatures below 25° F. Rinse equipment and containers and dispose of wastes by burying in non crop lands away from water supplies. Containers should be disposed of by punching holes in them and burying with wastes. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

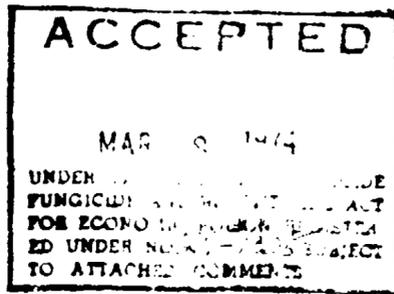
This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, ponds and streams. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. This product is toxic to bees and should not be applied when bees are actively visiting the area.

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Endosulfan	23.5
Aromatic Petroleum Derivative Solvent	68.5
Inert Ingredients	8.0
*Hexachlorohexahydro-2,4,3-benzodioxathiepin-oxide.	
Contains 2 lbs Thiodan per gallon	
U. S. Pat. No. 2,799,685	



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NET CONTENTS _____ **LIQUID**

MELONS: Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickleworm, Squash Beetle, Squash Bug, Squash Vine Borer, Rindworm—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—1 1/2 quarts 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 mask or respirator passed by U. S. Bureau of Mines for Thiodan protection. May cause injury on Birch trees, Bonnaion Deluxe and certain other varieties of Chrysanthemums.

PEACHES, APRILOTS, NECTARINES: Cat-Facing Insects, Green Peach Aphid, Peach Twig Borer—1 qt. per 100 gals. water (not more than 5 qts. per acre.) **Lesser Peach Tree Borer**—1 1/2 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:** 1 1/2 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 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 villa. 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: Conspere 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. **Conspere Stink Bug (Orchard Floor Treatment)**—1 qt. per 100 gals. Apply 400 gals. per acre as a pre-bloom treatment to orchard floor and ground around trees. Do not graze livestock in orchards so treated.

PEAS (SUCCULENT): Pea Aphid, Pea Weevil—2 quarts 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): Cowpea Curculio—1 to 2 quarts 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 pints per 100 gals. water. Do not apply after shucksplit. Do not graze meat-eating animals in treated groves. **PEPPERS:** Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggot—1 to 2 quarts per acre and do not apply within 4 days of harvest; OR 1 quart per acre and may be applied up to 1 day of harvest.

PLUMS, PRUNES: Fruit-tree Leaf Roller in PACIFIC NORTHWEST ONLY—1 qt. per 100 gals. water. Apply during pre-bloom 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 pre-bloom 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 trunk 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 quarts 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. **Three-lined 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 quarts 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 re-apply 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 re-apply 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. Dr in 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 quarts 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 (South Central States only): To Aid in Control of Banded Cucumber Beetle Larvae—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. **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 respirator passed by U. S. Bureau of Mines for Thiodan protection.

TOBACCO: 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 tobacco within 5 days of harvest. **Green June Beetle Larvae**—1 pt. 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 qt. 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 husk split. 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.

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 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 this material. 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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