

EPA Est. No. A-1 N-001075 LA



# ORTHO

# THIODAN 2 C.O. Emulsive

## (INSECTICIDE)

Active Ingredients	By Wt.
Endosulfan	23.2
Petroleum Distillates	20.0
Inert Ingredients	56.8
Hexachlorocyclohexane 2,4,3-bis(2-methyl-5-norbornylidene)-2,4,6-trimethyl-5-oxo-1,3-dioxane	
Contains 46% Cottonseed Oil	
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. In case of contact with eyes, immediately remove contaminated clothing and flush skin and eyes with plenty of water, or eyes, get medical attention. Wash thoroughly with soap and water before and after eating or smoking. Wear protective clothing. If you experience prolonged exposure in spray-mixing and loading operations, wear protective clothing, 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 where it may be injurious to humans or beneficial animals.

**Note to Physicians:** Emergency information call CHEMURG and tell them you have "THIODAN" TOXIC NEAR HEAT OR OPEN FLAME. Keep containers tightly closed. If they are damaged, they should be removed to a safe place. Workers engaged in the use of this product should wear protective clothing, keep equipment clean, wash hands, and dispose of waste by burying in non-top lands away from water courses. Containers should be disposed of by punching holes in them and burning with care. 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 feeding on treated crops may be killed. Keep out of lakes, streams or ponds. Do not apply when wind is blowing toward water. Do not apply when weather conditions favor drift from areas treated. Do not use near water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Ship and train may be loaded at specified points only as indicated in this label. Do not apply where these are important resources.

This product is toxic to bees and should not be applied when bees are visiting treated areas.

## NET CONTENTS 5 GALLONS LIQUID

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 RE-FILL OR RE-USE. NEVER USE IN DRINK CONTAINER.

DO NOT STORE AT TEMPERATURES BELOW 20° F.

DO NOT USE IN UNDILUTED FORM.

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

Not for use or storage in or around the home.

To apply, mix required amount of ORTHO THIODAN 2 C.O. Emulsive with sufficient water to cover 1 acre. (By ground apply a minimum of 200 gallons per acre on stone fruits and nuts, a minimum of 300 gallons per acre on pome fruits, a minimum of 200 gallons per acre on bush and vine fruits and a minimum of 10 gallons per acre on vegetable and row crops. By air apply a minimum of 20 gallons per acre on tree crops and 5 gallons per acre on vegetable and field crops.) Apply with continuous agitation. Apply when insects first appear and repeat as required.

### DIRECTIONS

**ALFALFA FOR SEED:** Aphids, Spittlebug—1 quart per acre. Lygus Bug, Stink Bug—3 to 4 quarts per acre. Do not feed treated forage to dairy or meat animals. Do not use on forage to be sold commercially or shipped interstate.

**APPLES:** Apple Aphid, Rosy Apple Aphid—1 quart per 100 gallons of water. Apple Rust Mite, Woolly Apple Aphid—1½ quarts per 100 gallons of water. If 5 quarts or under are applied per acre 3 applications may be made during the fruiting period to within 21 days of harvest. If 5 to 8 quarts per acre are applied make no more than 2 applications and apply to within 30 days of harvest. Pomace from treated apples should not be fed to livestock.

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

**BEANS (Dry and Succulent):** Black Bean Aphid, Bean Leaf Skeletonizer, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle—1 to 2 quarts per acre. Do not make more than 3 applications. Do not apply within 3 days of harvest. Do not feed treated threshings to livestock or allow livestock to graze in treated fields. Do not use on Lima Beans.

**BARLEY, OATS, RYE, WHEAT:** Army Cutworm—1 quart per acre. Airplane Application—Use 1 quart in 2 gallons water per acre. Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals being bred for slaughter.

**BROCCOLI, CABBAGE:** Cabbage Looper, Imported Cabbage Worm, Diamond-back Moth Larvae, Flea Beetle, Stink Bug—1 to 2 quarts per acre. Do not apply within 7 days of harvest.

**BRUSSELS SPROUTS, CAULIFLOWER:** Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamond Back Moth Larvae, Flea Beetles, Harlequin Bug, Imported Cabbageworm—1½ to 2 quarts per acre. Do not apply 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.

**ON CELERY (WHOLE PLANT)** to control Green Peach Aphid and Cabbage Looper. Use 1-2 quarts per acre. At the 1 quart rate may be applied to within 7 days of harvest with no limitation on the number of applications. At a rate exceeding 1 quart per acre make no more than 3 applications nor apply within 4 days of harvest.

**CHERRIES:** Plum Nursery Mite—1 quart per 100 gallons water (1 to 5 quarts per acre). Do not make more than 2 applications after shuck split. Do not apply within 21 days of harvest.

**CITRUS (NURSERY AND NON-BEARING):** Citrus Aphid—1 to 2 quarts per 100 gallons of water (5 quarts per acre). Do not apply to bearing trees or trees that will bear within 12 months.

**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.

**FIELD AND SWEET CORN (SEED CROP ONLY):** Corn Earworm, Corn Leaf Aphid—1 to 2 quarts per acre. Do not use as a direct spray to corn silks. Apply at 2 to 5 day intervals. Do not use seed for feed, forage or purposes other than seed. Do not feed treated forage to dairy animals or animals intended for slaughter.

**CORN (SWEET) For Fresh Vegetable Use Only:** Corn Leaf Aphid—1 to 2 quarts per acre. Do not apply until insects 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 continue 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 allow to live back or allow to be used in treated fields.

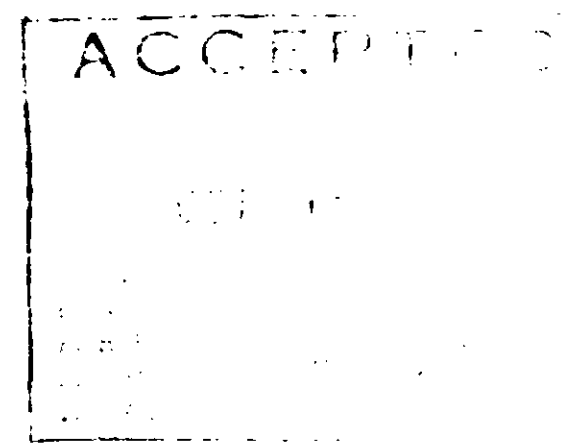
### Chevron Chemical Company

10000 Wilshire Blvd., Los Angeles, California 90024

Product Code: M-40000-5-A

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Printed in U.S.A.





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# THIODAN 2 C.O. Emulsive

## (INSECTICIDE)

Active Ingredients	By Wt.
Endosulfan	23.2%
Petroleum Distillates	20.0%
Inert Ingredients	56.8%
Hexachlorohexahydromethano-2,4,3-benzodioxathiepin oxide.	
Contains 46% Cottonseed Oil	
Contains 2 lbs. Thiodan per gallon	
U. S. Pat. No. 2,799,685	



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DO NOT GET ON SKIN  
KEEP OUT OF REACH OF CHILDREN**

**WARNING:** Hazardous. If swallowed, irritated. Avoid contact with skin. Do not breathe spray mist. Do not get in eyes. 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 plenty of water after handling and before eating or smoking. Wear clean clothing. Wear protective clothing during prolonged exposure in spray mixing and loading operations. Wear heavy duty 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 used for growing humans or beneficial animals.

**Note to Physicians:** Emergency Information: Call (415) 753-3377. POISON: FILL OR STORE NEAR HEAT OR OPEN FLAME. Keep containers closed. If leak or spill, contents could be removed to a safe place. Workers entering the area on the day of application should wear protective clothing. 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 feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Do not apply where drift 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. Shrimp and crab may be killed at application to rice on paddy on this label—do not apply where these are important resources.

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

**NET CONTENTS 5 GALLONS LIQUID**

**COTTON:** Bollworm, Cabbage Looper, Stink Bugs, Lygus Bugs, Cotton Leaf Perforator—2 quarts per acre. Do not apply after bolls begin to open. For use up to 25% of boll opening. Use 1 to 1½ quarts per acre on listed pests. Do not graze meat of early animals in treated fields. Do not plant root crops other than carrots, potatoes, sweet potatoes and sugar beets as follow up crops.

**CUCUMBERS:** Aphid, Cucumber Beetle, Flea Beetle—1 quart per acre. Squash Beetle, Squash Bug, Squash Vine Borer—1 to 2 quarts per acre. No time limitation.

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

**GRAPES:** Grape Leafhopper; Grape Leaf Folder (California Only)—1 quart per 100 gallons water (200 to 300 gallons per acre). Do not apply within 7 days of harvest. Do not apply to Concord variety as injury is likely to occur.

**HEAD LETTUCE:** Cabbage Looper, Green Peach Aphid, Diamond-back Moth Larvae, Imported Cabbage Worm—1 quart per acre. Do not make more than 3 applications after heading. Do not apply within 14 days of harvest. Do not apply where refuse to livestock. Remove outside leaves at harvest.

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

**MELONS:** Aphid, Cucumber Beetle, Cabbage Looper, Omnivorous Leafroller—2 quarts per acre. Melonworm, Squash Beetle, Squash Bug, Squash Vine Borer—1 to 2 quarts per acre. No time limitation.

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

**NECTARINES, PEACHES:** Cat-facing insects, Green Peach Aphid, Peach Twig Borer, Peach Silver Mite—1 quart per 100 gallons of water (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.

**PEARS:** Consperse Stink Bug—1 quart per 100 gallons of water and spray orchard floor and ground around trees. Apply 200 to 400 gallons of finished spray per acre. Do not apply after petal fall. Do not graze livestock on treated orchards. Foliage spray—Use 4 to 5 quarts per acre. Pear Rust Mite—1 quart per 100 gallons (4 to 5 quarts per acre). Do not apply more than 2 applications during fruiting period. Do not apply within 7 days of harvest. Pear Leaf Blister Mite—1½ to 1 quart per 100 gallons of water. Apply as a post-harvest or dormant treatment.

**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:** Peach Twig Borer, Plum Nursery Mite—1 quart per 100 gallons of water (4 to 5 quarts per acre). Peach Tree Borer—1 to 1½ quarts per 100 gallons water and spray all bark areas from ground level to scaffold limbs as required for control. Do not apply within 7 days of harvest.

**POTATOES:** Aphids, Armyworms, Potato Tuberworm, Colorado Potato Beetle, Flea Beetle, Stink Bug, Potato Leafhopper—1 to 2 quarts per acre. Potato Psyllid—1½ to 2 quarts per acre. False Chinch Bug—2 quarts per acre. Apply at first appearance of insects and repeat as required. No time limitation. Do not plant root crops other than carrots, potatoes, sweet potatoes and sugar beets as follow up crops.

**SAFFLOWER:** Green Peach Aphid—1 quart 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—1½ quarts per acre. Do not apply more than once. Do not apply within 14 days of harvest.

**SOUTHERN FIELD PEAS including Black-Eyed Peas, Crowder Peas, Southern Peas (SUCCULENT TYPE):** Cowpea Curculionid—1½ to 2 quarts per acre. Make 3 applications at 5 day intervals starting when pods are 1½ inch long. Do not apply within 14 days of harvest. Do not feed treated threshing to livestock or allow to graze in treated fields.

**STRAWBERRIES:** Cyclamen Mite—Use 8 quarts per acre in 500 gallons of spray. For multiple applications, use 4 quarts per acre at intervals of less than 35 days during fruiting period. Do not apply within 4 days of harvest. Meadow Spittlebug, Aphids—2 quarts per acre. Do not apply at intervals of less than 14 days or more than twice during any 60 day period when fruit is present. Do not apply within 4 days of harvest.

**SUGAR BEETS:** Green Peach Aphid, Sugar Bee Webworm, Meadow Spittlebug—1½ to 2 quarts per acre. Do not apply to tops to livestock. Do not apply within 14 days of harvest.

**TOMATOES:** Aphid, Flea Beetle, Hornworm, Colorado Potato Beetle, Whitefly—1 to 2 quarts per acre. Stink Bug, Tomato Fruit Worm, Cabbage Looper, Armyworm, Tomato Russet Mite—2 quarts per acre. Do not apply within 14 days of harvest.

**WALNUTS:** Walnut Aphid—3 to 4 quarts per acre. Do not apply after husk split. Do not graze livestock on treated areas.

**CONDITIONS OF SALE:** This product is sold on the basis of a limited warranty. The user warrants that the product is used in accordance with the label and that the user is fully responsible for the results obtained. The user warrants that the product is used in accordance with the label and that the user is fully responsible for the results obtained. The user warrants that the product is used in accordance with the label and that the user is fully responsible for the results obtained.

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