



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-benzodioxathiop oxide.	
Contains 46% Cottonseed Oil	
Contains 2 lb. 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**

ACCEPTED
239.2223
JUN 23 1978
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under 239.2
EPA Reg. No. 239.2

WARNING: May be fatal if swallowed. 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.

Note to Physicians: Emergency Information: Call (415) 333-3333. **DO NOT USE FOUR LITER OR MORE NEAR HEAT OR OPEN FLAME.** Keep container closed. Leaking pack-ages should be removed to a safe place. Workers entering the field, spray on the day of application should wear protective clothing. Rinse equipment and containers and dispose of wastes by thoroughly cleaning and keep away from water supplies. Containers should be disposed of by puncturing 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 off treated areas until dry. Do not apply where drift is likely to occur. Do not apply when weather conditions may drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on the label and do not apply at a rate higher than the application rate recommended on the label. Do not apply when bees are present on plants.

This product is toxic to honey bees. Do not apply to plants when bees are present on the area.

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 PUT CONCENTRATE INTO FOOD OR 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 THODAN 2,4-D Emulsion with sufficient water to cover 1 1/2 to 2 sq. ft. and apply a minimum of 200 gallons per acre on stone fruits and nuts, a minimum of 100 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 or 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 or to be fed to any of shipped interstate.

APPLES: Apple Aphid, Rosy Apple Aphid—1 quart per 100 gallons of water. Apple Rust Mite, Woolly Apple Aphid—1 1/2 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 not apply to within 30 days of harvest. Pomace from treated apples should not be fed to livestock.

ARTICHOKES: Artichoke Aphid, Green Peach Aphid, Artichoke Prume Moth—1 1/2 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 1/2 gal. diesel fuel or per acre. Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals being finished for slaughter.

BROCCOLI, CABBAGE: Cabbage Looper, Imported Cabbage Worm, Diamond-back Moth Larvae, Flea Beetle, Stink Bug—1 1/2 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—1 1/2 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 3 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 Celery Leaf Miner—1 quart 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 the 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 gal. water. (1 1/2 quarts per acre) 2 applications after shuck split. Do not apply within 14 days of harvest.

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

COLLARDS: Cabbage Looper, Diamond Back Moth Larvae, Harlequin Bug, Imported Cabbageworm—1 1/2 to 2 quarts per acre. Do not apply more than once. Do not apply within 14 days of harvest.

FIELD AND SWEET CORN (SEED CROP ONLY): Corn Earworm, Corn Leaf Aphid—1 quart per acre. Do not use to control. Direct spray to corn silks. Apply at 1/2 to 1 quart per acre. Do not use on forage to be sold or to be fed to any of shipped interstate. Do not feed treated forage to dairy animals or animals being finished for slaughter.

CORN (SWEET) For Fresh Vegetable Use Only: Corn Leaf Aphid—1 quart per acre. Apply when insects first appear and repeat as required. Corn Earworm—1 quart per acre. Apply at 1/2 to 1 quart per acre. Do not use on forage to be sold or to be fed to any of shipped interstate. Do not feed treated corn to be processed. Do not feed treated forage to dairy animals or animals being finished for slaughter.

Chevron Chemical Company

Orlando, Florida 32803, U.S.A. (407) 241-1111

Product Sales Department

Form 1-67

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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 or dairy 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 to 2 quarts 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 gals. water (200 to 300 gals. water 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—1½ to 2 quarts per acre. Do not make more than 3 applications after thinning. Do not apply within 14 days of harvest. Do not feed crop 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: Conspire 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 petals 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—½ 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 gals. 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—1 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—2 quarts 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 21 days of harvest.

SOUTHERN FIELD PEAS including Black-Eyed Peas, Crowder Peas, Southern Peas (SUCCULENT TYPE): Cowpea Curculio—1 to 2 quarts per acre. Make 3 applications at 7 day intervals starting when pods are ½ inch long. Do not apply within 3 days of harvest. Do not feed treated threshings to livestock or allow to graze in treated fields.

STRAWBERRIES: Cyclamen Mite—Use 8 quarts per acre in 800 gallons of spray. For multiple applications, do not apply 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 15 days or more than twice during any 35 day period when fruit is present. Do not apply within 4 days of harvest.

SUGAR BEETS: Green Peach Aphid, Sugar Beet Webworm, Meadow Spittlebug—1½ to 2 quarts per acre. Do not feed sugar beet tops to livestock. Do not apply within 30 days of harvest.

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

WALNUTS: Walnut Aphid—3 to 4 quarts per acre. Do not apply the first spray. Do not graze livestock in treated groves.

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

2. Critical and unforeseeable risks beyond the control of Protection Chemicals Company exist 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 parts of crops. Such risks exist even though the product is reasonably fit for the uses stated hereon and even though the user exercises reasonable care in its use. Buyer, in its knowledge and assume all risks and liability (except those assumed by Protection Chemicals Company) for the storage and use of this material.

This material is sold as a pesticide and is not to be used for any other purpose.