

## DIRECTIONS FOR USE

NOT FOR USE OR STORAGE IN OR AROUND THE HOME

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. On deciduous trees and grapes apply a minimum of 200 gallons of water per acre by ground. On row crops apply in a minimum of 25 gallons of water per acre by ground and a minimum of 5 gallons of water per acre by aircraft, unless otherwise indicated. Coverage of both upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

**APPLES (30):** Apple Aphid, Rosy Apple Aphid — 4 to 5 lbs. per acre. (May increase amount to 8 lbs. in sprays prior to petal fall for apple aphid). Apple Aphid, Apple Rust Mite, Woolly Apple Aphid — 8 lbs. per acre. Do not apply more than twice during fruiting period. In state of WASHINGTON ONLY, amount may be reduced to 6 lbs. per acre. Do not feed pomace from treated apples to livestock.

**APPLES (21):** Apple Aphid, Rosy Apple Aphid — 4 to 5 lbs. per acre. Do not make more than 3 applications during the fruiting period. Do not feed pomace from treated apples to livestock.

**APRICOTS (30), NECTARINES (30), PEACHES (30):** Cat-facing Insects, Green Peach Aphid, Peach Twig Borer — 8 lbs. per acre on WEST COAST. Peach Silver Mite — 4 to 5 lbs. per acre. Do not apply more than twice during fruiting period.

**BEANS, DRY and SUCULENT (3):** Bean Leaf Skeletonizer, Black Bean Aphid, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle — 1 to 2 lbs. per acre. Do not make more than 3 applications per season. Do not use on lima beans that are to be removed from the field for processing. Do not feed treated threshings to livestock or allow to graze in treated fields.

**BROCCOLI (7), BRUSSELS SPROUTS (14), CABBAGE (7), CAULIFLOWER (14):** Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug — 1.5 to 2 lbs. per acre.

**CELERY (7):** Green Peach Aphid — 1 lb. per acre.

**CELERY (4):** Green Peach Aphid, Cabbage Looper — 1 to 2 lbs. per acre. Do not apply more than 3 times per season.

**CHERRIES (21):** Eye-spotted Bud Moth (PACIFIC NORTHWEST ONLY) — 4-5 pounds per acre. Apply during "popcorn" stage of growth. Fruit-tree Leaf Roller (PACIFIC NORTHWEST ONLY) — 4 to 5 pounds per acre. Apply during pre-pink stage of growth. Black Cherry Aphid, Plum Rust Mite — 4 to 5 pounds per acre. Do not apply more than twice after shuck split.

**CUCUMBERS (0), SUMMER and WINTER SQUASH (0):** Aphids — 1 lb. per acre. Cucumber Beetles, Squash Bug, Striped Flea Beetle — 1 to 2 lbs. per acre.

**GRAPES (7):** Grape Leafhopper, Rose Chafer — 2 to 3 lbs. per acre. Do not apply to Concord variety as severe injury is likely to occur.

**LETTUCE (14):** Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm — 1.5 to 2 lbs. per acre. On Head Lettuce do not apply more than 3 times after thinning. Remove wrapper leaves at harvest. Do not feed crop refuse to livestock. On Leaf Lettuce do not make more than 2 applications per season.

**MELONS (0):** Aphids — 1 lb. per acre. Cucumber Beetles, Squash Bug, Striped Flea Beetle — 1 to 2 lbs. per acre. Cabbage Looper — 2 lbs. per acre.

**ORNAMENTALS, GREENHOUSE and OUT-OF-DOORS:** Aphids, Cyclamen Mite, Rose Chafer, Whitefly — 1 lb. per 100 gals. On Chrysanthemums, best results will be obtained if applied before plants flower. Do not use on White Birch. In greenhouse wear mask or respirator approved by USDA for endosulfan protection.

**PEARS (7):** Consperse Stink Bug: GROUND TREATMENT — 1 lb. per 130 gals., 200 to 400 gals. per acre applied to orchard floor around trees prior to bloom. Do not graze livestock in treated orchards; FOLIAR TREATMENT — 4 to 5 lbs. per acre. Stink bugs must be wet to obtain control. Pear Rust Mite — 4 to 5 lbs. per acre. Pear Leaf Blister Mite — 4 to 6 pounds per acre. Apply as a post-harvest or dormant treatment. Do not apply

01/01 - Revised



Code  
190

50 POUNDS  
NET WEIGHT

# THIODAN<sup>®</sup> 50 WETTABLE POWDER

## INSECTICIDE

U.S.D.A. REGISTRATION NO. 279-1380

ACTIVE INGREDIENT:	BY WT.
*Endosulfan (Hexachlorohexahydroethano-2,4,3-benzodioxathiepin oxide)	50.00%
INERT INGREDIENTS:	50.00%
	100.00%

\*Thiodan is a registered trademark of Canadian Hoechst Ltd.  
U.S. Patent No. 2,799,685.

## WARNING

### KEEP OUT OF REACH OF CHILDREN

Hazardous if swallowed, inhaled, or absorbed through skin. Do not breathe dust or 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. Department of Agriculture for endosulfan protection. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Workers entering treated areas within 24 hours of application should wear protective clothing.

**NOTE TO PHYSICIANS:** Thiodan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote.

REGISTERED TRADEMARK OF CANADIAN HOECHST LTD.

U.S. PATENT NO. 2,799,685



DEPT. OF AGRICULTURE  
WASHINGTON, D.C.

279-1380

3-29-1971

1/2

more than twice during fruiting period. Pear Psylla — To control second generation Pear Psylla use 1.5 pounds per 100 gallons of water. Do not exceed 330 gallons of water. Apply when nymphs are still small and repeat if necessary in 7-10 days. Do not apply more than two applications during the fruiting period.

**PEAS, GARDEN (SUCCULENT) NORTHWEST ONLY (5):** Pea Aphid, Pea Weevil — 2 lbs. per acre. Do not apply more than twice. Use only on peas to be harvested by combine. Do not feed treated vines to livestock or allow to graze in treated fields.

**PEPPERS (4):** Flea Beetle, Green Peach Aphid, Hornworms, Pepper Maggot — 1 to 2 lbs. per acre. (If no more than 1 lb. per acre is used, may be applied up to 1 day of harvest).

**PLUMS (7), PRUNES (Fresh) (7):** Fruit-tree Leaf Roller (PACIFIC NORTHWEST ONLY) 4 to 5 pounds per acre. Apply during pre-pink stage of growth. Hop Aphid, Leaf Curl Plum Aphid, Plum Rust Mite, Thistle Aphid, Peach Twig Borer — 4 to 5 lbs. per acre. For Aphids, apply when eggs hatch during pre-bloom or petal fall. Summer applications should be made before leaves curl.

**POTATOES (0):** Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Bug, Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly — Use 1 to 2 pounds per acre. European Corn Borer, Potato Psyllid — Use 1.5 to 2 pounds per acre. False Chinch Bug — Use 2 pounds per acre. Three-lined Potato Beetle — Use 1 pound per acre. Do not plant root crops other than carrots, potatoes and sweet potatoes as follow-up crops.

**STRAWBERRIES (4):** Cyclamen Mite — 1 lb. per 100 gals. Apply 800 gals. per acre on West Coast. Do not apply at intervals of less than 35 days when fruit is present. Strawberry Aphid — 2 lbs. per acre. Do not re-apply within 15 days or more than twice within a 35 day period when fruit is present.

**TOMATOES (FIELD AND GREENHOUSE) (1):** Flea Beetle, Green Peach Aphid — 1 lb. per acre. Cabbage Looper — 1.5 lbs. per acre. Stink Bugs — 1.5 to 2 lbs. per acre. Tomato Fruitworm, Yellow-striped Armyworm, Tomato Hornworm — 2 lbs. per acre. Whitefly — 1 lb. per 100 gals., 100 to 200 gals. per acre. Do not apply where runoff is likely to occur.

### USAGE CAUTIONS

This product is toxic to fish and wildlife. Keep out of lakes, ponds and streams. Do not apply when bees are actively visiting the area. Apply this product only as specified on the label. Birds feeding on treated areas may be killed.

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

Rinse equipment and DISPOSE OF WASTES by burying in non-crop land away from water supplies. Empty containers should be buried with wastes or burned. Keep out of smoke.

Do not allow this material to drift onto neighboring crops or non-crop areas or 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.

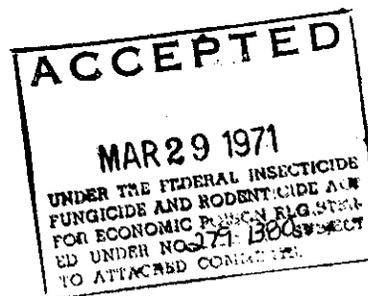
Dealer Should Sell in Original Packages Only.

TERMS OF SALE OR USE: On purchase or use of this product buyer and user agree to the following conditions:

**WARRANTY:** Niagara warrants that this product, as of the time of sale by Niagara, (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. NIAGARA MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

**DAMAGES:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages. Notice of any claim must be reported to Niagara within 10 days of discovery by buyer or user, failing which buyer or user waives any claim for such damage.

**EXCLUDE FROM NON-CONTROLLABLE CONDITIONS:** Because of certain critical conditions created or incurred by buyer or user or over which Niagara has no control, buyer and user, as a condition of purchase or use, assume responsibility for and release Niagara from, liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.



2/2