

CODE
3042

NET CONTENTS
5 Gallons



THIODAN[®] 2 PYRENONE[®] 0.3-0.03 EC

INSECTICIDE

DIRECTIONS FOR USE

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage, unless otherwise noted, for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. Do not use in undiluted form. 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.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Thiodan 2 Pyrenone 0.3 - 0.03 EC used.

BEANS, DRY AND SUCCULENT (3): Bean Leaf Skeletonizer, Black Bean Aphid, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle, Western Bean Cutworm - 1 to 2 qts. per acre. Do not exceed 3 applications. Do not feed treated threshings to livestock or allow to graze in treated fields. Do not use on lima beans as injury may result.

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 - 1½ to 2 qts. per acre. Armyworms, Cutworms - 2 qts. per acre.

CARROT (7): Green Peach Aphid - 1 to 2 qts. per acre. Do not exceed 2 applications. Do not use tops for food or feed.
CELERY, Whole Plant (7): Green Peach Aphid - 1 qt. per acre.
CELERY, Whole Plant (4): Green Peach Aphid, Cabbage Looper - 1 to 2 qts. per acre. Do not exceed 3 applications.

COLLARDS (21): Cabbage Looper, Diamondback Moth Larvae, Harlequin Bug, Imported Cabbageworm - 1½ qts. per acre. Do not exceed 1 application.

CORN, SWEET (FRESH VEGETABLE USE ONLY) (0): Corn Leaf Aphid - 2 qts. per acre. Corn Earworm - 3 qts. per acre applied at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not exceed 5 applications. 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.

CUCUMBERS (0), SQUASH (SUMMER AND WINTER) (0), MELONS (0): Aphids, Cucumber Beetles, Melonworm, Pickleworm, Rindworm (on watermelon) Squash Beetle, Squash Bug, Squash Vine Borer, Striped Cabbage Flea Beetle - 1 to 2 qts. per acre. Cabbage Looper, Omnivorous Leaf Roller (on melons) - 2 qts. per acre. For squash vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear.

EGGPLANT (1): Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly - 1 qt. per acre.

KALE (21): Cabbage Flea Beetle, Harlequin Bug, Imported Cabbageworm - 1½ qts. per acre. Do not exceed 1 application.

LETTUCE (14): Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm - 1½ to 2 qts. per acre. On head lettuce do not make more than 3 applications after thinning. Remove outside leaves at harvest. Do not feed crop waste to livestock. On leaf lettuce do not exceed 2 applications per season.

ORNAMENTALS, GREENHOUSE & OUT-OF-DOORS: Aphids, Cyclamen Mite, Rose Chafer, Whitefly - 1 qt. per 100 gals. On chrysanthemums, best results will be obtained if applied before plants flower. Do not use on White Birch trees. Do not apply to "Bonnafon Deluxe", "Fred Shoemith" and "White Knight" chrysanthemums as injury may result. In greenhouse applications wear mask or respirator approved by USDA for Thiodan protection.

PEAS (SUCCULENT) (5): Pea Aphid, Pea Weevil - 1 to 2 qts. per acre. Do not exceed 2 applications during the fruiting period. Use only on peas to be harvested by combine. Do not feed treated vines to livestock or allow to graze in treated fields.

USDA REG. NO. 279-2822

ACTIVE INGREDIENTS:

*Endosulfan (Hexachlorocyclohexanemethano-2,4,3-benzodioxathiepin oxide)	23.86%
*Technical Piperonyl Butoxide	3.57%
Pyrethrins	0.36%
Xylene	65.80%
INERT INGREDIENTS:	6.41%
	100.00%

*Thiodan U. S. Patent No. 2,799,685
**Consists of 3.14% (butylcarbityl) (6-propylpiperonyl) ether and 0.43% of related compounds.
This product contains 2 pounds Thiodan per gallon.

WARNING

KEEP OUT OF REACH OF CHILDREN.

Not for use or storage in or around the home.

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 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 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.

USAGE CAUTIONS
DO NOT STORE AT TEMPERATURES BELOW 20°F.
DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. 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.
Rinse equipment and containers and DISPOSE OF WASTES by burying at least 18 inches deep in non-crop lands away from water supplies. Do not reuse container; smash or perforate and bury with wastes.

PEPPERS (4): Flea Beetle, Green Peach Aphid, Hornworm, Pepper Maggot - 1 to 2 qts. per acre. (If no more than 1 qt. per acre is used, may be applied up to 1 day of harvest.)

POTATOES (0): 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 - 1½ to 2 qts. per acre. False Chinch Bug - 2 qts. per acre. Three-lined Potato Beetle - 1 qt. per acre.

PUMPKINS (0): Aphids - 1 qt. per acre. Cucumber Beetles, Squash Vine Borer - 1 to 2 qts. per acre. For Squash Vine Borer, apply weekly to flower buds, stems, and vines beginning when moths first appear.
SPINACH (21): Crown Mite, Green Peach Aphid - 1½ qts. per acre. Do not exceed 1 application.

TOMATOES (1): Blister Beetles, Colorado Potato Beetle, Flea Beetles, Green Peach Aphid - 1 qt. per acre. Cabbage Looper - 1½ qts. per acre. Stink Bugs - 1½ to 2 qts. per acre. Tomato Fruitworm, Tomato Russet Mite, Yellow-striped Armyworm - 2 qts. per acre. Tomato Hornworm - 1 to 2 qts. per acre. Whitefly - 1 qt. per 100 gals., using 100 to 200 gals. per acre. For both field and greenhouse use.

TOBACCO (5): Budworm, Cabbage Looper, Flea Beetle, Green Peach Aphid, Hornworm - SEED BED: 1 qt. per 100 gals. Apply about 6 gals. per 100 square yards. FIELD: 1 to 2 qts. per acre. Apply in sufficient water for uniform coverage. Stink Bugs - 2 to 3 qts. per 100 gals. PLANT BED: Green June Bug Larvae - 1 pt. per 100 gals., drenching at rate of 1 gal. per sq. yd.

APPLES (21): Apple Aphid, Rosy Apple Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Do not make more than three applications during fruiting period. Do not feed pomace to livestock.

COTTON: Boll Weevil - 1 to 2½ qts. per acre. Bollworm, Cabbage Looper, Cotton Leaf Perforator, Lygus Bugs, Stink Bugs - 2 qts. per acre. Thrips - 3 qts. per acre. Do not apply after bolls open. Do not graze meat or dairy animals in treated fields.

PEACHES (30): Black Cherry Aphid, Black Peach Aphid, Cat-facing Insects, Green Peach Aphid, Peach Twig Borer, Rusty Plum Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Lesser Peach Tree Borer - 3 qts. per 100 gals. Peach Silver Mite - 1 pt. per 100 gals. or 4 to 5 qts. per acre. Do not exceed 2 applications during fruiting period. For Lesser Peach Tree Borer, thorough wetting of trunks and main branches is important.

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.

Dealers 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 purpose 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.

EXCUSE 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.



NIAGARA CHEMICAL DIVISION
FMC CORPORATION
MIDDLEPORT, N. Y. 14105

279-2822

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ACCEPTED
JUL 23 1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
ECONOMIC POISON REGISTER
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DIRECTIONS FOR USE

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage, unless otherwise noted, for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. Do not use in undiluted form. 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.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Thiodan 2 Pyrenone 0.3 - 0.03 EC used.

ALFALFA: Spittlebug - 1 pt. per acre. Apply one 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 alfalfa is 4 to 6 inches tall. Do not apply more than 1 application per cutting. Do not graze or cut forage within 21 days of treatment.

APPLES (30): Apple Aphid, Rosy Apple Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. No limit on number of applications. Apple Rust Mite - $1\frac{1}{2}$ to 2.0 pts. per 100 gals. or 6 to 8 qts. per acre. Do not apply more than twice during fruiting period. Do not feed pomace to livestock.

APPLES (21): Apple Aphid, Rosy Apple Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Do not make more than three applications during fruiting period. Do not feed pomace to livestock.

Western Use:

APPLES: Apple Rust Mite - $1\frac{1}{2}$ to 2 pts. per 100 gallons. Apple Aphid, Rosy Apple Aphid - 1 qt. per 100 gals. Woolly Apple Aphid - 1 qt. per 100 gals. (8 qts. per acre). If 5 qts. or less are applied per acre may be applied within 30 days of harvest with no limit on number of applications; or if no more than 3 applications are made during the fruiting period do not apply within 21 days of harvest. Do not feed pomace from treated apples to livestock. If 5.1 to 8 qts. per acre are applied do not apply more than twice during the fruiting period nor within 30 days of harvest. Do not feed pomace from treated apples to livestock.

APRICOTS (30), NECTARINES (30): Cat-facing Insects, Green Peach Aphid, Peach Twig Borer - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Lesser Peach Tree Borer - $1\frac{1}{2}$ qts. per 100 gals. Peach Silver Mite - 1 pt. per 100 gals. or 4 to 5 qts. per acre. Do

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ACCEPTED
JUL 23 1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTRY
UNDER NO. 279-2822

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NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

not make more than two applications during the fruiting period. For Lesser Peach Tree Borer, thorough wetting of trunk and main branches is important.

APRICOTS (21), NECTARINES (21): Peach Tree Borer - 1½ qts. per 100 gals. (1 qt. per 100 gals. in Western areas). Spray all bark areas from ground level to scaffold limbs.

ARTICHOKES (7): Artichoke Aphid, Green Peach Aphid - 1½ qts. per acre. Artichoke Plume Moth - 2 qts. per acre.

Western Use:

ARTICHOKES (7): Artichoke Aphid, Green Peach Aphid - 1½ to 2 qts. per acre. Artichoke Plume Moth - 2 qts. per acre.

BARLEY, OATS, RYE, WHEAT: Army Cutworm - 1 qt. per acre. Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals being finished for slaughter. FOR AIRPLANE APPLICATION, use 1 qt. in 2 gals. diesel fuel oil per acre.

BEANS, DRY AND SUCCULENT (3): Bean Leaf Skeletonizer, Black Bean Aphid, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle, Western Bean Cutworm - 1 to 2 qts. per acre. Do not exceed 3 applications. Do not feed treated threshings to livestock or allow to graze in treated fields. Do not use on lima beans as injury may result.

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

BOX ELDER: Box Elder Bug - 3 qts. per 100 gals. or 2 tablespoonfuls per gal. Beginning in May and continuing through June spray Box Elder tree trunks and foliage when insects first appear and repeat as required to maintain control. During late summer or fall, spray tree trunks, outside walls, fences, and other places where bugs are congregating.

BROCCOLI (7), BRUSSELS SPROUTS (14), CABBAGE (7), CAULIFLOWER (14): Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamond-back Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm Stink Bug - 1½ to 2 qts. per acre. Armyworms, Cutworms - 2 qts. per acre.

CARROT (7): Green Peach Aphid - 1 to 2 qts. per acre. Do not exceed 2 applications. Do not use tops for food or feed.

CELERY, Whole Plant (7): Green Peach Aphid - 1 qt. per acre.

CELERY, Whole Plant (4): Green Peach Aphid, Cabbage Looper - 1 to 2 qts. per acre. Do not exceed 3 applications.



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JUL 23 1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 279-2822

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NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

CHERRY (21): Black Cherry Aphid, Eye-spotted Bud Moth (PACIFIC NORTHWEST ONLY) - 1 qt. per 100 gals. (4 to 5 qts per acre). For Eye-spotted Bud Moth apply during "popcorn" stage of growth. Fruit-tree Leaf Roller (PACIFIC NORTHWEST ONLY) - 1 qt. per 100 gals. (4 to 5 qts. per acre). Apply during pre-pink stage of growth. Mineola Moth (MICHIGAN ONLY) - 2 qts. per 100 gals. Apply in delayed dormant period. Plum Nursery Mite - 1 qt. per 100 gals. (4 to 5 qts. per acre). Do not exceed 2 applications after shuck split.

CHERRY, PLUM AND PEACH NURSERY STOCK: Peach Tree Borer - Use 1 gal. per 40 gals. of water. Mix thoroughly. Immerse the bundles of trees so that the roots and crowns are covered well above the grafting bud scar. If trees are not planted immediately allow to dry before returning them to storage. Wear rubber gloves during the dipping operation.

CITRUS - NON BEARING TREES AND NURSERY STOCK: Citrus Aphid - 1 pt. per 100 gals. or qts. per acre. Do not apply to bearing trees or trees that will bear fruit within 12 months. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

COLLARDS (21): Cabbage Looper, Diamondback Moth Larvae, Harlequin Bug, Imported Cabbageworm - $1\frac{1}{2}$ qts. per acre. Do not exceed 1 application.

CORN - SEED CROP ONLY: Corn Earworm - 2 to 3 qts. per acre. Corn Leaf Aphid - 2 qts. per acre. For corn earworm, direct spray to area of cornsilks. Do not feed treated forage to livestock. Do not use seed for food, feed, or oil purposes.

CORN, SWEET (FRESH VEGETABLE USE ONLY) (0): Corn Leaf Aphid - 2 qts. per acre. Corn Earworm - 3 qts. per acre applied at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not exceed 5 applications. 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 $2\frac{1}{2}$ qts. per acre. Bollworm, Cabbage Looper, Cotton Leaf Perforator, Lygus Bugs, Stink Bugs - 2 qts. per acre. Thrips - 3 qts. per acre. Do not apply after bolls open. Do not graze meat or dairy animals in treated fields.

COTTON: Boll Weevil, Bollworm, Cabbage Looper, Cotton Leaf Perforator, Lygus Bugs, Stink Bugs - 1 to $1\frac{1}{2}$ qts. per acre plus recommended amounts of one of the following; carbaryl, DDT, Guthion, malathion or methyl parathion. Do not graze dairy or meat animals in treated fields. Do not apply methyl parathion within 5 days or Guthion within 1 day of hand picking. May be used up to 25% of boll opening.

Western Use:

COTTON: Boll Weevil - 1 to 3 qts. per acre. : : : : Boll-
worm, Cabbage Looper, Lygus Bugs, Stink Bugs, and Cotton Leaf : : : :
Perforator - 2 to 3 qts. per acre. Thrips - 3 qts. per acre. : : : :
Do not apply after bolls open. Do not graze meat or dairy
animals in treated fields. Do not feed treated plant parts to
meat or dairy animals

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ACCEPTED
JUL 23 1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 29-2822

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NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

COWPEAS: See Peas, Southern Field.

CUCUMBERS (0), SQUASH (SUMMER AND WINTER) (0), MELONS (0): Aphids, Cucumber Beetles, Melonworm, Pickleworm, Rindworm (on watermelon), Squash Beetle, Squash Bug, Squash Vine Borer, Striped Cabbage Flea Beetle - 1 to 2 qts. per acre. Cabbage Looper, Omnivorous Leaf Roller (on melons) - 2 qts. per acre. For squash vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear.

DOGWOOD, LILAC: Dogwood Borer, Lilac Borer - 1 to 2 qts. per 100 gals. Apply in early June and repeat in 10 to 14 days. Drench all bark areas down to ground level.

DOUGLAS FIR (Grown for Ornamentals) PACIFIC NORTHWEST ONLY: Cooley Spruce Gall Aphid, Douglas Fir Needle Midge - 1 qt. per 100 gals. or 2 teaspoonfuls per gallon. To control Gall Aphid, apply when white, cottony tufts appear. To control Needle Midge, apply in late April or early May just before buds open.

EGGPLANT (1): Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly - 1 qt. per acre.

GRAPES (7): Grape Leafhopper, Rose Chafer - 1 qt. per 100 gals. or 2 to 3 qts. per acre. Do not apply to Concord variety as severe injury is likely to occur.

KALE (21): Cabbage Flea Beetle, Harlequin Bug, Imported Cabbageworm - 1 1/2 qts. per acre. Do not exceed 1 application.

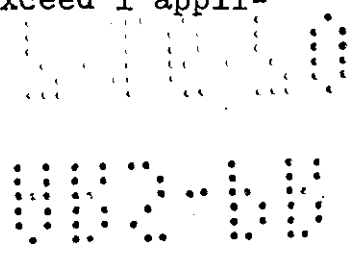
LEATHERLEAF FERN (LEATHER HOLLY FERN): Leatherleaf Fern Borer - 1 qt. per 100 gals. Begin treatment when first larval feeding is observed in the mid-vein area at the base of the leaflets. Repeat at intervals of 2 to 3 weeks as necessary to maintain control.

LETTUCE (14): Cabbage Looper, Diamondback Moth Larvae, Green Peach Aphid, Imported Cabbageworm - 1 1/2 to 2 qts. per acre. On head lettuce do not make more than 3 applications after thinning. Remove outside leaves at harvest. Do not feed crop waste to livestock. On leaf lettuce do not exceed 2 applications per season.

MACADAMIA NUTS (0): Southern Green Stink Bug - 2 qts. per 100 gals.

MELONS: See Cucumbers.

MUSTARD GREENS (21); TURNIP GREENS (21): Aphids, Cabbage Looper, Imported Cabbageworm - 1 1/2 qts. per acre. Do not exceed 1 application.



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ACCEPTED

JUL 23 1970

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND ROENTENOGEN ACT
FOR ECONOMIC POISON REG. STER-
ED UNDER NO. 279-2822

NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

ORNAMENTALS, GREENHOUSE & OUT-OF-DOORS: Aphids, Cyclamen Mite, Rose Chafer, Whitefly - 1 qt. per 100 gals. On chrysanthemums, best results will be obtained if applied before plants flower. Do not use on White Birch trees. Do not apply to "Bonnafon Deluxe", "Fred Shoosmith" and "White Knight" chrysanthemums as injury may result. In greenhouse applications wear mask or respirator approved by USDA for Thiodan protection.

PEACHES (30): Black Cherry Aphid, Black Peach Aphid, Cat-facing Insects, Green Peach Aphid, Peach Twig Borer, Rusty Plum Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Lesser Peach Tree Borer - 3 pts. per 100 gals. Peach Silver Mite - 1 pt. per 100 gals. or 4 to 5 qts. per acre. Do not exceed 2 applications during fruiting period. For Lesser Peach Tree Borer, thorough wetting of trunks and main branches is important.

PEACHES (21): Peach Tree Borer - 1 1/2 qts. per 100 gals. (1 qt. per 100 gals. in Western Areas). Spray all bark areas from ground level to scaffold limbs. (See under "CHERRIES" for nursery stock dip treatment).

PEARS (7): Consperse Stink Bug - Ground treatment, use 1 qt. per 100 gals., 200 to 400 gals. per acre applied to orchard floor and ground around trees prior to bloom. Do not graze livestock in treated orchards. Foliar treatment, use 1 qt. per 100 gals. or 4 to 5 qts. per acre. Stink bugs must be wet to obtain control. Pear Rust Mite - 1 qt. per 100 gals. or 4 to 5 qts. per acre. Pear Leaf Blister Mite - 1 to 2 pts. per 100 gals. applied as a post-harvest or dormant treatment. Do not exceed 2 applications during the fruiting period.

PEAS (Grown for seed only): Pea Aphid, Pea Weevil - 1 to 1 1/2 qts. per acre. Do not feed treated vines or threshings to livestock.

PEAS (SUCCULENT) (5): Pea Aphid, Pea Weevil - 1 to 2 qts. per acre. Do not exceed 2 applications during the fruiting period. Use only on peas to be harvested by combine. Do not feed treated vines to livestock or allow to graze in treated fields.

PEAS, SOUTHERN FIELD (Succulent type, including Black-eyed Peas, Crowder Peas, and Southern Peas) (3): Cowpea Curculio - 1 to 2 qts. per acre. Make 3 applications at 5 day intervals starting when pods are 1/2 inch long. Do not feed treated threshings to livestock or allow to graze in treated fields.

PECANS: Black Pecan Aphid - 1 1/2 qts. per 100 gals. Do not apply after shuck split. Do not graze meat or dairy animals in treated groves.

PEPPERS (4): Flea Beetle, Green Peach Aphid, Hornworm, Pepper Maggot - 1 to 2 qts. per acre. (If no more than 1 qt. per acre is used, may be applied up to 1 day of harvest.)



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ACCEPTED
JUL 23 1970
UNDER THE FEDERAL PESTICIDE
REGULATION AND CONTROL ACT
AND FEDERAL POISON REGISTER
CASE NO. 279.2529

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NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

PINEAPPLES (FOR FRESH MARKET ONLY) (7): Pineapple Fruit Mite - 1 gal. per acre. Apply at intervals of 7 to 10 days if necessary, particularly during the 40-day period of blooming. Do not make more than 4 applications. Do not feed treated forage or pineapple by-products to livestock.

PLUMS (7), PRUNES (7): Fruit-tree Leaf Roller (PACIFIC NORTHWEST ONLY) - 1 qt. per 100 gals. Apply during pre-pink stage of growth. Hop Aphid, Leaf Curl Plum Aphid, Plum Nursery Mite, Thistle Aphid - 1 qt. per 100 gals. or 4 to 5 qts. per acre. For aphids, apply when eggs hatch during pre-bloom or petal fall. Summer applications should be made before leaves curl. Lesser Peach Tree Borer - 3 pts. per 100 gals. or 4 to 5 qts. per acre. Apply spray to thoroughly wet trunks and main branches. Peach Tree Borer - 3 pts. per 100 gals. (2 to 3 pts. in Western Areas). Spray thoroughly to cover all bark areas from ground to scaffold limbs. Do not use more than 5 qts. per acre. (See under "CHERRIES" for nursery stock dip treatment for Peach Tree Borer).

POTATOES (0): 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.

Western Use:

POTATOES (0): Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed bug, Plant bugs, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly and Three-lined Potato Beetle - 1 to 5 qts. per acre. European Corn Borer and Potato Psyllid - 1 1/2 to 5 qts. per acre. False Chinch Bug - 2 to 5 qts. per acre.

PUMPKINS (0): Aphids - 1 qt. per acre. Cucumber Beetles, Squash Vine Borer - 1 to 2 qts. per acre. For Squash Vine Borer, apply weekly to flower buds, stems, and vines beginning when moths first appear.

SAFFLOWER: Green Peach Aphid - 2 qts. per acre. Do not apply after flower heads open.

SHADE TREES, SHRUBS: Aphids - 1 qt. per 100 gals. Do not use on White Birch.

SOUTHERN FIELD PEAS: See Peas, Southern Field.

SOYBEANS: Mexican Bean Beetle, Stink Bug - 1 qt. per acre. Do not apply after pods begin to form. Do not feed treated threshings to livestock.

SPINACH (21): Crown Mite, Green Peach Aphid - 1 1/2 qts. per acre. Do not exceed 1 application.

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JUL 23 1970
FEDERAL INSECTICIDE
AND RODENTICIDE ACT
POISON REGISTER
NO. 279-2822

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NIAGARA THIODAN 2 PYRENONE 0.3 - 0.03 EC

STRAWBERRIES (4): Cyclamen Mite - 1 qt. per 100 gals. Apply 800 gals. per acre on West Coast; 400 gals. per acre in other areas. Do not apply at intervals of less than 35 days when fruit is present. Meadow Spittlebug, Strawberry Aphid - 2 qts. per acre. Tarnished Plant Bug - 1 qt. per 100 gals. or 2 qts. per acre. Do not re-apply within 15 days or more than twice within a 35-day period when fruit is present. Garden Symphylan (NORTHWEST ONLY - aids in reducing damage) - 2 qts. per 100 gals. plant dip. Mix thoroughly. Dip entire plant. When emerging bundles of plants, make certain any trapped air is forced out to assure thorough wetting of the entire plant. Drain and allow plants to dry before setting them out in the field. Wear rubber gloves during dipping operation.

SUGAR BEETS (0): Green Peach Aphid - 1 to 2 qts. per acre. Meadow Spittlebug - 1 qt. per acre. Sugar-beet Webworm - 3 to 4 pts. per acre. Do not feed sugar-beet tops to livestock.

Western Use:

SUGAR BEETS (0): Green Peach Aphid and Meadow Spittlebug - 1 to 2 qts. per acre. Sugar-beet Webworm - 1½ to 2 qts. per acre. Do not feed treated tops to livestock.

SUNFLOWER (0): Sunflower Moth - 2 qts. per acre. Do not exceed 3 applications. Make first application at onset of bloom and make 2 more applications at 4 to 7 day intervals. Do not feed treated forage to livestock.

SWEET POTATOES (SOUTH-CENTRAL STATES ONLY): Banded Cucumber Beetle Larvae (aids in the control of) - 2 to 4 qts. per acre broadcast or 2/3 to 1-1/3 qts. per acre on a 16 inch band over the row (48 inch row spacing). Work into the soil to a depth of approximately 3 inches. Treatment should be made just prior to plant set. Sweet Potato Flea Beetle - 1 qt. in sufficient water to treat one 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.

TAXUS: Taxus Bud Mite - 1 qt. per 100 gals. Make 3 to 5 applications as required beginning in mid-May. A thorough treatment of foliage, twigs and bark is essential. Black Vine Weevil - 2 qts. per 100 gals. Spray thoroughly and drench surface of soil under plants. Apply when weevils first appear; repeat in 14 days.

TOBACCO (5): Budworm, Cabbage Looper, Flea Beetle, Green Peach Aphid, Hornworm - SEED BED: 1 qt. per 100 gals. Apply about 6 gals. per 100 square yards. FIELD: 1 to 2 qts. per acre. Apply in sufficient water for uniform coverage. Stink Bugs - 2 to 3 qts. per 100 gals. PLANT BED: Green June Bug Larvae - 1 pt. per 100 gals., drenching at rate of 1 gal. per sq. yd.

TOMATOES (1): Blister Beetles, Colorado Potato Beetle, Flea Beetles, Green Peach Aphid - 1 qt. per acre. Cabbage Looper - 1½ qts. per acre. Stink Bugs - 1½ to 2 qts. per acre. Tomato

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Fruitworm, Tomato Russet Mite, Yellow-striped Armyworm - 2 qts. per acre. Tomato Hornworm - 1 to 2 qts. per acre. Whitefly - 1 qt. per 100 gals., using 100 to 200 gals. per acre. For both field and greenhouse use.

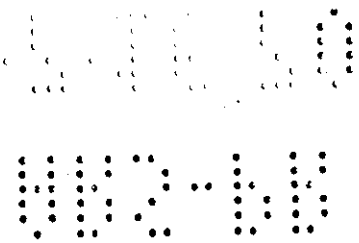
Western Use:

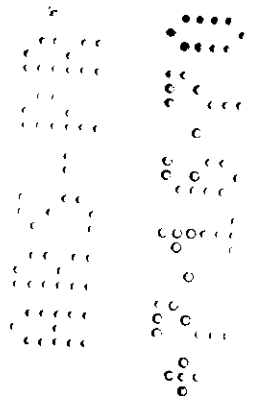
TOMATOES (1): Blister Beetles, Colorado Potato Beetle, Flea Beetles, Green Peach Aphid, Tomato Hornworm, Webworm (Calif.), Whitefly - 1 to 2 qts. per acre. Cabbage Looper, Stink Bugs - 1.5 to 2 qts. per acre. Tomato Fruitworm, Yellow-striped Armyworm, Tomato Russet Mite, - 2 qts. per acre.

WALNUTS: Walnut Aphid - 3 to 4 qts. per acre. Do not use after husk split.

WATERCRESS (7): Cyclamen Mite - 1 to 2 qts. per acre. Make first application after cutting before new growth starts. Repeat 7 to 10 days later.

WATERMELON (See Melons)





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