

STATEMENT OF PRACTICAL TREATMENTS

In case of contact, remove contaminated clothing and wash skin with plenty of soap and water. **For eyes** — Flush with water for at least 15 minutes and get medical attention promptly. **If inhaled** — Remove victim to fresh air. Apply artificial respiration if indicated. **If swallowed** — Call a physician immediately. Gastric lavage is indicated. **DO NOT INDUCE VOMITING** unless other treatment is not available. Vomiting may cause aspiration pneumonia. If other treatment is unavailable and vomiting must be induced, give victim one or two glasses of water and induce vomiting by inserting finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Thiodan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote. Cautious gastric lavage is indicated if material was taken internally.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Hazardous if swallowed, inhaled, or absorbed through skin. Do Not breathe spray mist or vapor. Do Not get on skin, in eyes, or on clothing.

Use clean clothing and wash thoroughly with soap and water after handling and before eating or smoking.

During commercial or prolonged exposure in spray mixing and loading operations and in greenhouse applications, wear clean synthetic rubber gloves and a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II.

Do Not apply or allow to drift to areas occupied by unprotected humans or beneficial animals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed.

Do Not contaminate any body of water by direct applications, cleaning of equipment, or disposal of wastes and containers.

Do Not apply when weather conditions favor drift from areas treated.

This product is toxic to bees exposed to direct application. Do Not apply when bees are actively visiting the treatment area. Time application to coincide with periods of minimum bee activity, usually between late evening and early morning.

PHYSICAL OR CHEMICAL HAZARDS

Do Not use or store near heat or open flame.

Keep container closed.

Do Not store below 20°F.

Remove leaking packages to a safe place.

NOTICE OF WARRANTY

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

CODE 2393.360 1 2 3 4 5 6 7 8 9 (9/80)

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BEST DOCUMENT AVAILABLE

ALL TREATMENTS
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 15 minutes and get medical attention
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STATEMENTS
DOMESTIC ANIMALS
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LOCAL HAZARDS
 ep container closed
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WARRANTY
 ing the use of this product other than indicated
 dling of this material when such use and/or

Hopkins
THIODAN 3 E.C.

Contains 3 Pounds Endosulfan Per Gallon



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ACTIVE INGREDIENTS:

*Endosulfan (Hexachlorohexahydromethano-2,4,3-benzodioxathiepin oxide)	33.72
Xylene range aromatic solvent	56.53
INERT INGREDIENTS:	9.75
TOTAL	100.00

*U.S. Patent No. 2,799,685
 EPA Reg. No. 2393-360
 Thiodan is a registered trademark of Hoechst AG

**KEEP OUT OF REACH OF CHILDREN
 WARNING**

See Side Panels for Statements of Practical Treatments
 and Additional Precautionary Statements

NET CONTENTS **GALLON**



MANUFACTURED BY
Hopkins
 agricultural chemical co.
 BOX 7532 • MADISON, WISCONSIN 53707
 U.S.A.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RE-ENTRY STATEMENT

WARNING: Workers entering treated areas the day of application should wear protective clothing.

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.

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. 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.

ROOT CROPS: Do not plant root crops other than carrots, potatoes, and sweet potatoes as follow-up crops.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Use a minimum of 20 gallons of finished spray per acre for deciduous trees and vines. 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 3 E.C. used.

THIS MATERIAL MUST NOT BE USED AS AN INSECTICIDE WITHOUT DILUTION.

Compatibility: Thiodan is incompatible with the following:
Calcium arsenate, Lime and Zinc sulfate plus Lime.

FOR SALE IN ORIGINAL PACKAGES ONLY

See other side for complete instructions.

STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Disposal: Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Container Disposal: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

Triple Rinse Procedure

1. Empty container into spray tank. Then drain in vertical position for 30 seconds.
2. Add a measured amount of rinse water so container is $\frac{1}{4}$ to $\frac{1}{2}$ full. For example, 1 quart in a gallon container.
3. Rinse container thoroughly, pour into tank, and drain 30 seconds. Repeat three times. Add enough water to bring tank up to desired level.

General: Consult Federal, State or local disposal authorities for approved alternative procedures.

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FRUITS & NUTS

DIRECTIONS FOR USE (continued from other side)

Observe days interval between last application and harvest indicated by number in () following the crop.

CROP	INSECT PEST	RATE	REMARKS
Apples (36)	Apple aphid (Ross) Apple aphid (Woolly) Apple aphid Apple Rust Mite	$\frac{1}{2}$ qt / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre 1 pt. to $\frac{1}{2}$ qt. / 100 gals. of water or 1 gal. to $5\frac{1}{2}$ qts / acre	Do not feed pomace from treated apples to livestock. Do not exceed 2 applications during the fruiting period at rate above 5 qts. per acre.
Blueberries	Blueberry Bud Mite	2 qts. / 300 gals. of water per acre	Apply immediately after harvest and repeat 6 to 8 weeks later. Do not apply after buds are well formed.
Cherry (21)	Plum Rust Mite Black Cherry Aphid Eye Spotted Bud Moth Fruit Tree Leaf roller (Pacific Northwest only)	$\frac{1}{2}$ qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre 1 $\frac{1}{2}$ pt. / acre	Do not exceed 2 applications after shuck split. For Bud Moth, make application during popcorn stage of growth. For leafroller make application during pre-pink stage.
Grapes (7)	Grape Leafhoppers Rose Chafer	$\frac{1}{2}$ qt. / 100 gals. of water or $1\frac{1}{2}$ to 2 qts. / acre $\frac{1}{2}$ qt. / 100 gals. of water	Do not apply to Concord variety as severe injury is likely to occur. Ground application preferred.
Peaches (30) Apricots (30) Nectarines (30)	Black Cherry Aphid Black Peach Aphid Cat facing Insects Green Peach Aphid Peach Twig Borer Rusty Plum Aphid Lesser Peach Tree Borer Peach Tree Silver Mite Lesser Peach Twig Borer	$\frac{1}{2}$ qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre 1 qt. / 100 gals. of water $\frac{1}{2}$ qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre	Do not exceed 2 applications during fruiting period. For Lesser Peach Tree Borer, thorough wetting of trunks and main branches is important. For four applications, do not apply more than twice per season.
Pears (7)	Conspicuous Stink Bug Pear Rust Mite Pear Leaf Blister Mite Pear Psylla	GROUND TREATMENT Use $\frac{1}{2}$ qt. / 100 gals. of water, 200 to 400 gals. spray/acre applied to orchard floor and ground around trees prior to bloom. FOR AERIAL TREATMENT Use $\frac{1}{2}$ qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre $\frac{1}{2}$ qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre $\frac{1}{2}$ to $\frac{1}{2}$ qt. / 100 gals. of water applied as a post harvest or dormant treatment. Use 3 qts. in sufficient water for 1 acre (minimum of 10 gals. / acre for aerial application. 40 gals. / acre for semi-concentrate. 300 gals. / acre for dilute.) To control second generation pear psylla use 1 qt. / 100 gals. of water not to exceed 330 gals. of spray per acre.	Do not graze livestock in treated orchard. Stink Bugs must be wet to obtain control. The rate for a foliar treatment on stink bug control is 30 days. Do not apply more than once per season. Do not apply more than once per season. Apply when adults are first observed. Apply when nymphs are small and repeat in 7 to 10 days if necessary. Do not exceed 2 applications during the fruiting season.
NOTE: GROUND APPLICATION PREFERRED. Aerial application does not result in satisfactory control and should only be used if impossible to apply by ground.			
Plums (7) Prunes (7)	Lesser Peach Tree Borer Peach Twig Borer Peach Tree Borer Leaf Curl Plum Aphid Hop Aphid Thistle Aphid Plum Rust Mite Fruit Tree Leafroller (Prunes only - Pacific Northwest only)	1 qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre 1 qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre 1 $\frac{1}{2}$ pts. / acre	Apply spray thoroughly to wet trunks and main branches. Spray thoroughly to cover all bark areas from ground to scaffold limbs. Apply during pre-pink stage.
Cherry, Peach, Plum Nursery Stock Bp	Peach Tree Borer	$2\frac{1}{2}$ qts. / 40 gals. of water	Thoroughly mix. Immerse the bundles of trees so that the roots and crowns are covered well above the grafting bud scar. Plant immediately or dry before returning to storage. Wear rubber gloves when dipping.
Strawberries (4)	Cyclamen Mite Meadow Spittlebug Strawberry Aphid Tarnished Plant Bug	$\frac{1}{2}$ qt. / 100 gals. of water 400 gals. spray/acre 1 $\frac{1}{2}$ qts. / acre in 200 gals. of water	Do not apply at intervals of less than 15 days when fruit is present. Do not apply at intervals of less than 15 days or more than twice during any 35 day period when fruit is present.
Citrus	Citrus Aphid	3 to 6 pts. / acre	Do not apply to bearing trees or to trees that will bear fruit within 12 months.
Pineapples (7) (fresh market use only)	Pineapple Fruit Mite	2 qts. / acre	Do not apply more than 4 times per season. Make applications at 7 to 10 day intervals (if necessary) particularly during the 40 day bloom period. Do not feed treated forage or pineapple by-product to livestock.
Pecans	Black Pecan Aphid	1 qt. / 100 gals. of water	Do not apply after shuck split. Do not graze livestock in treated groves.
Almonds	Peach Twig Borer	1 qt. / 100 gals. of water or $2\frac{1}{2}$ to 3 qts / acre. Use a minimum of 200 gals. of water per acre or a minimum of 40 gals. per acre concentrate.	For control of early season infestation. Apply during popcorn, pink or petal fall. Do not exceed one application per season. Treated husks may be fed to livestock and dairy animals.
Macadamia Nuts	Southern Green Stink Bug	1 $\frac{1}{2}$ qts. / 100 gals. of water max. 5 gals. / acre	Do not graze livestock in treated groves.
Filberts	Filbert Aphids Filbert Leafroller	4 to 5 pts. / acre	Do not graze livestock in treated grove. No treatment.
Walnuts	Walnut Aphid	4 to 5 pts. / acre	Do not apply after husks are split. Do not graze livestock in treated groves.

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from other side)
 rated by number in () following the crop

VEGETABLES DIRECTIONS FOR USE (cont.)

Observe days interval between last application and harvest indicated by number in () following the crop

Observe days interval be

REMARKS
Do not feed combine or treated apple to livestock. Do not exceed 2 applications during the fruiting period at rate above in this table.
Apply 7-10 days after harvest and repeat 10-15 weeks later. Do not apply after buds are well formed.
Do not exceed 2 applications after shuck soft.
For Bush Bean, make application during podding stage of growth. For Leaf Bean, make application during pre-bloom stage.
Do not apply to crops of variety as severe injury is likely to occur. Ground application preferred.
Do not exceed 2 applications during fruiting period. For Lesser Peach Tree Borer, thorough wetting of limbs and main branches is important. For other applications, do not apply more than twice per season.
Do not graze livestock in treated orchard.
Stink Bugs must be well to obtain control. The rate for a 2nd treatment in stink bug control is 30 days. Do not apply more than once per season. Do not apply more than once per season.
Apply when adults are first observed.
Apply when nymphs are small and repeat in 7 to 10 days if necessary. Do not exceed 2 applications during the fruiting season.
Do not and should only be used if moths be to apply by ground.
Apply spray thoroughly to wet trunks and main branches.
Spray thoroughly to cover all bark areas from ground to scaffold limbs.
Apply during pre-bloom stage.
Thoroughly mix. Immerse the bundles of trees so that the trunks and crowns are covered well above the grafting bud scar. Plant immediately or dry before returning to storage. Wear rubber gloves when dipping.
Do not apply at intervals of less than 35 days when fruit is present. 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 to bearing trees or to trees that are bear fruit within 12 months.
Do not apply more than 4 times per season. Make applications at 7 to 10 day intervals (if necessary) particularly during the 40 day bloom period. Do not feed treated forage or pineapple by-product to livestock.
Do not apply after shuck soft. Do not graze livestock in treated groves.
For control of early season infestation. Apply during popcorn, pink or beta fall. Do not exceed one application per season. Treated nuts may be fed to livestock and dairy animals.
Do not graze livestock in treated groves. No limitation.
Do not apply after nuts are split. Do not graze livestock in treated groves.

CROP	INSECT PEST	RATE	REMARKS
Artichoke (7)	Artichoke Aphid, Green Peach Aphid, Artichoke Flea Beetle	1 qt. / 100 sq. ft.	
Beans (3) (succulent and dry (except Lima Beans))	Bush Bean Aphid, Bean Leaf Weevil, Cucumber Beetles, Green Stink Bug, Mexican Bean Beetle, Western Bean Cutworm	1 qt. / 100 sq. ft.	Do not exceed 3 applications per season. Do not feed threshings or straw to livestock in treated field.
Broccoli (7)	Cabbage Aphid, Cabbage Looper, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	
Cabbage (7)	Cabbage Aphid, Cabbage Looper, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	
Brussels Sprouts (14)	Cabbage Aphid, Cabbage Looper, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	
Cauliflower (14)	Cabbage Aphid, Cabbage Looper, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	
Carrots (7)	Green Peach Aphid	1 qt. / 100 sq. ft.	Do not exceed 2 applications. Do not use tops for food or feed.
Celery (4)	Green Peach Aphid	1 qt. / 100 sq. ft.	No limitation on number of applications per season.
Celery (7)	Green Peach Aphid, Cabbage Looper	1 qt. / 100 sq. ft.	Do not exceed 3 applications.
Collards (21)	Cabbage Looper, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	Do not exceed 1 application.
Cucumbers (8)	Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickworm, Hornworm, Watermelon, Squash Beetle, Squash Bug, Squash Vine Borer	1 qt. / 100 sq. ft.	For vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear. Rineworm is apparently a combination of feeding damage by cabbage loopers and certain other epiphytous larvae.
Melons (8)	Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickworm, Hornworm, Watermelon, Squash Beetle, Squash Bug, Squash Vine Borer	1 qt. / 100 sq. ft.	
Summer & Winter Squash (8)	Aphids, Cucumber Beetles, Striped Flea Beetle, Melonworm, Pickworm, Hornworm, Watermelon, Squash Beetle, Squash Bug, Squash Vine Borer	1 qt. / 100 sq. ft.	
Eggplants (11)	Borer Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly	1 qt. / 100 sq. ft.	
Kale (21)	Cabbage Flea Beetles, Harlequin Bug, Imported Cabbageworm	1 qt. / 100 sq. ft.	Do not exceed 1 application.
Lettuce (14)	Cabbage Looper, Green Peach Aphid, Diamond-back Moth Larvae, Imported Cabbageworm	1 qt. / 100 sq. ft.	Do not exceed 3 applications after thinning heads. Cut and remove outer leaves at harvest. Do not exceed 2 applications per season on leaf lettuce. Do not feed crop refuse to livestock.
Mustard Greens (21)	Aphids, Cabbage Looper, Imported Cabbageworm	1 qt. / 100 sq. ft.	Do not exceed 1 application.
Peas (succulent) (8)	Pea Aphid, Pea Weevil	1 qt. / 100 sq. ft.	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 (3) (Southern field)	Cowpea Curculio	1 qt. / 100 sq. ft.	Make 3 applications at 5 day intervals beginning when first pods are 1/2 inch long. Do not feed treated threshings to livestock or allow to graze in treated fields.
Peppers (4)	Green Peach Aphid, Flea Beetles, Hornworms, Pepper Maggot	1 qt. / 100 sq. ft.	* 1 day if maximum of 1/2 qt. / acre is applied.
Potatoes (8)	Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Bug, Plant Bugs, Potato Flea Beetles, Potato Leafhopper, Potato Tuberworm, Whitefly, European Corn Borer, Potato Psyllid, False Chinch Bug, Three-lined Potato Beetle	1 qt. / 100 sq. ft.	
Pumpkins (8)	Aphids, Cucumber Beetles, Squash Vine Borer, Striped Flea Beetle	1 qt. / 100 sq. ft.	For vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear.
Spinach (21)	Crown Mite, Green Peach Aphid	1 qt. / 100 sq. ft.	Do not exceed 1 application.
Sweet Corn (8) (fresh vegetable use only)	Corn Leaf Aphid, Corn Earworm	1 qt. / 100 sq. ft. 2 qts. / acre	Apply 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 livestock to graze in treated field.
Sweet Potatoes (8)	Sweet Potato Flea Beetle	1 qt. / 100 sq. ft.	Begin application shortly after transplanting or as soon as flea beetles appear.
Tomatoes (1) (Field & Greenhouse)	Banded Cucumber Beetle Larvae, Banded Cucumber Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Tomato Russet Mite, Tomato Fruitworm, Tomato Striped Armyworm, Stink Bugs, Cabbage Looper, Whitefly, Hornworms	1 qt. / 100 sq. ft. 1 qt. / 100 sq. ft. 1 qt. / 100 sq. ft. 1 qt. / 100 sq. ft.	Work into the soil to a depth of approximately 3 inches making a single treatment just prior to plant set. Do not feed treated potatoes to livestock.

CROP	INSECT PEST
Artichoke (succulent only)	Meadow Spittlebug, Aphids, Lygus Bugs
Artichoke (21) (green for forage)	Meadow Spittlebug
Barley, Oats, Rye, Wheat	Army Cutworm
Soybeans	Green Peach Aphid
Sugar Beets (28)	Green Peach Aphid, Meadow Spittlebug, Sugar Beet Webworm
Sunflower (8)	Sunflower Moth
Telone (5)	Flea Beetle, Hornworm, Peach Aphid, Cabbage Looper, Green June Bug Larvae, Stink Bug
Watercress (7)	Cyclamen Mites
Ornamentals (green-trees and out of doors)	Aphids, Cyclamen Mite, Rose Chaler
Pines (Austrian, Jack, Red, Scotch, White)	Zimmerman Pine Moth
Shade Trees (except Birch), Shrubs	Aphids
Birch Elder	Birch Elder Bug
Dogwood, Liriodendron	Dogwood Borer, Liriodendron Borer
Leatherleaf Fern	Leatherleaf Fern Borer
Tanaka	Tanaka Bud Mite
Back Vine Weevil	Back Vine Weevil
Foliated Legs	Bark Beetles (Scolytidae), Bark Beetles (Curculionidae)
Cotton	Borers, Cabbage Looper, Cotton Stink Bug, Thrips, Cotton Leaf Perforator

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(cont.)

Indicated by number in () following the crop

**OTHER CROPS
DIRECTIONS FOR USE (cont.)**

Observe days interval between last application and harvest indicated by number in () following the crop

REMARKS
Do not exceed 3 applications per season. Do not feed threshings or a low livestock to graze in treated field.
Do not exceed 2 applications. Do not use tops for food of feed.
No limit on number of applications per season. Do not exceed 3 applications.
Do not exceed 1 application.
For vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear. If damage is apparently a combination of feeding damage by cabbage cutworms and certain other spotted larvae.
Do not exceed 1 application.
Do not exceed 3 applications after thinning head surface and remove outside leaves at harvest. Do not exceed 2 applications per season on leaf surface. Do not feed crop refuse to livestock.
Do not exceed 1 application.
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.
Make 3 applications at 5 day intervals beginning when first pods are 1/2 inch long. Do not feed treated threshings to livestock or allow to graze in treated fields.
* 1 day if maximum of 1/2 qt. per acre is applied.
For vine borer control, apply weekly to flower buds, stems and vines beginning when moths first appear.
Do not exceed 1 application.
Apply at 2 to 3 day intervals beginning when flies first appear and continuing until they begin to die. 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 livestock to graze in treated field.
Begin application shortly after transplanting or as soon as first beetles appear.
Work into the soil to a depth of approximately 3 inches making a single treatment just prior to plant set. Do not feed treated potatoes to livestock.

CROP	INSECT PEST	RATE	REMARKS
Alfalfa (seed crop only)	Meadow Spittlebug Aphids Lygus Bugs	4 qt. / acre 4 qt. / acre 2 to 2 1/2 qts. / acre	Do not feed treated forage to dairy or meat animals. Do not use in forage to be sold commercially or shipped interstate.
Alfalfa (21) (grown for forage)	Meadow Spittlebug	4 qt. / acre	Apply 1 week after eggs begin to hatch or when first small masses of froth are produced in the plants which is usually about the time the alfalfa is 4 to 6 inches tall. Apply in at least 10 gals. of water per acre by ground applicator or in at least 2 gals. of water per acre by airplane. Do not apply more than once per cutting. Do not graze or cut forage within 21 days of treatment.
Berley, Oats, Rye, Wheat	Army Cutworm	1/2 qt. / 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 apply 1/2 gal. diesel fuel oil per acre.
Safflower	Green Peach Aphid	1 1/2 qts. / acre	Do not apply after flower heads open.
Sugar Beets (38)	Green Peach Aphid Meadow Spittlebug Sugar Beet Webworm	1/2 to 1 1/2 qts. / acre 1/2 qt. / acre 1 to 1 1/2 qts. / acre	Do not feed treated tops to livestock.
Sunflower (8)	Sunflower Moth	1 1/2 qts. / acre	Do not exceed 3 applications. Make first application 1 onset of bloom and make 2 more applications at 4 to 7 day intervals. Do not feed treated forage to livestock.
Tobacco (5)	Flea Beetle, Hornworm, Budworm, Green Peach Aphid, Cabbage Looper Green June Bug Larvae Stink Bug	Flea Beetle: 1/2 to 1 1/2 qts. / acre SEEDBED: Mix 1/2 qt. + 100 gals. of water and apply 6 gals. spray 100 sq. yds. Use 1/2 qt. + 100 gals. of water and drench plant bed with 1 gal. spray 100 sq. yd. Use 1/2 qt. application of 1 1/2 to 2 qts. + 100 gals. of water.	
Watercress (7)	Cycamen Mites	4 to 1 1/2 qts. / acre	Make first application after cutting and before new growth starts and repeat 7 to 10 days later.
Ornamentals (greenhouse and out of doors)	Aphids, Cycamen Mite, Whitefly, Rose Chaffer	1/2 qt. + 100 gals. of water	On chrysanthemums, best results will be obtained if applied before plants flower. Do not apply to Bonnalon Dewee, Fred Shagmuth and White Knight chrysanthemums as injury may result. Do not use on birch trees. In greenhouse applications wear approved mask or respirator (see precautionary statements).
Pines (Austrian, Jack, Red, Scotch, White)	Zimmerman Pine Moth	1 qt. + 100 gals. of water	Apply in mid April and again if necessary in late fall. Thoroughly wet bark and main stem, especially where branches join main stem.
Shade Trees (except Birch), Shrubs	Aphids	1/2 qt. + 100 gals. of water	
Box Elder	Box Elder Bug	2 qts. + 100 gals. of water (2 lbs. gal.)	Spray foliage and trunks when insects first appear. Repeat as required in late summer or fall spraying tree trunks, outside walls, fences and other places where bugs congregate.
Dogwood, Liriodendron	Dogwood Borer, Liriodendron Borer	1/2 to 1 1/2 qts. + 100 gals. of water	Apply in early June and repeat in 10 to 14 days. Drench all bark areas down to the ground level.
Leatherleaf Fern	Leatherleaf Fern Borer	1/2 qt. + 100 gals. of water	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.
Taxus	Taxus Bud Mite Black Vine Weevil	1/2 qt. + 100 gals. of water 1 1/2 qts. + 100 gals. of water	Apply 3 to 5 applications beginning in mid-May. Thorough treatment of foliage, twigs and bark is essential. Spray thoroughly and drench soil under plants. Apply when beetles first appear. Repeat in 14 days.
Felled Logs	Bark Beetles (Scolytid species), Bark Beetles, Buprestids, Cerambycids, Curculionidae	5 to 10 qts. + 100 gals. of water 10 to 15 qts. + 100 gals. of water	Apply in late spring to felled logs. Spray logs thoroughly to the point of spray runoff.
Cotton	Bowworm, Cabbage Looper, Lygus Bug, Cotton Stink Bug, Thrips, Cotton Leaf Perforator, Boll Weevil	1 1/2 qts. / acre 2 qts. / acre 1 1/2 to 4 qts. / acre	Rates up to 2 pints do not apply after 25% of bolls are open, and rates over 2 to 4 pints do not apply after bolls are open. Do not graze meat or dairy animals in treated fields.

ACCEPTED
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