

CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Pears	Conspire Stink Bugs, Pear Rust Mites	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre	Do not apply within 7 days before harvest. Do not apply more than 1 gal. of this product per acre when applying to orchard fruits. Do not graze livestock in orchard, so treated.
	Pear Leaf Blister Mites	1-1 quart 100 gal. water. Apply as a post-harvest or dormant application.	
	Pear Psylla	1 $\frac{1}{2}$ quarts 100 gallons water or 1 $\frac{1}{4}$ gallons acre in 10 gallons of water for aerial application or 40 gallons of water for semi-concentrate or 300 gallons for dilute application. Make application when nymphs are small or adults first noticed.	Do not apply more than 5 times during the fruiting period or make application within 21 days of harvest; or do not apply more than 2 times during the fruiting period or apply within 7 days of harvest.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Peas (For Seed Only)	Pea Aphids, Pea Weevils	1-1 $\frac{1}{2}$ quarts	Do not feed treated vines or threshings to dairy or meat animals.
Succulent Peas	Pea Aphids, Pea Weevils	1-2 quarts	Do not apply more than 2 applications during fruiting period. Apply only to peas to be harvested by combine. Do not feed treated vines to livestock or allow grazing in treated fields.
Southern Peas (Blackeyed, Crowder, Southern)	Cowpea Curculio	1-2 quarts. Make 3 applications at 5 day intervals beginning when the first pods are $\frac{1}{2}$ inch long.	Do not apply within 3 days before harvest. Do not feed treated threshings to livestock or allow grazing in treated fields.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Pecans	Black pecan aphids	1 $\frac{1}{2}$ quarts 100 gal. water	Do not apply after shuck split. Do not allow livestock to graze in treated groves.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Peppers	Flea Beetles, Green Peach Aphids,	1 quart	Do not apply within 1 day before harvest.
	Hornworms, Pepper Maggots	2 quarts	Do not apply within 4 days before harvest.
Pineapples Fresh Market Only	Pineapple Fruit Mites	1 gallon	Do not apply within 7 days before harvest. Do not apply more than 4 applications per season. Do not feed treated forage or pineapple by-products to livestock. If necessary make applications at 7-10 day intervals, particularly during the 40 day bloom period.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Pines (Austrian, Jack, Red, White, Scotch)	Zimmerman Pine Moths	1 $\frac{1}{2}$ quarts 100 gal. water	Apply in late fall or mid-April with enough pressure to wet the bark and stem. Birds in treated areas will be killed with this application rate.
Plums, Prunes	Fruitree Leafrollers (Pacific Northwest Only)	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre applied during pre-pink stage of growth.	None
	Hop Aphids, Leaf Curl Plum Aphids, Plum Rust Mites, Thistle Aphids	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre applied before leaves curl.	Do not apply within 7 days before harvest.
	Lesser Peach Tree Borers	1 $\frac{1}{2}$ quarts 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre applied to thoroughly wet trunk and main branches.	

CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Plums, Prunes, Con 1	Peach Tree Borers	1 $\frac{1}{2}$ quarts 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre in East. 1-2 quarts 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre in West only.	
	Peach Twig Borers	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre in West only.	
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Potatoes	Aphids, Armyworms, Colorado Potato Beetles, Green Stink Bugs, Leaf-Footed Bugs, Plant Bugs, Potato Flea Beetles, Potato Leafhoppers, Potato Tuberworms, Whiteflies	1-2 quarts	Do not plant root crops other than carrots, potatoes, and sweet potatoes as follow up crops.
	European Corn Borers, Potato Psyllids	1 $\frac{1}{2}$ -2 quarts	
	False Chinch Bugs	2 quarts	
	Three-Lined Potato Beetles	1 quart in East. 1-2 quarts in West.	
Pumpkins	Aphids, Cucumber Beetles, Squash Vine Borers	1-2 quarts Squash Vine Borers - Apply as a full coverage spray when moths appear.	May be applied up to day of harvest.
Safflower	Green Peach Aphids	2 quarts	Do not apply after flower heads open.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Shade Trees, Shrubs	Aphids	1 quart 100 gal. water	Do not use on white birch.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Spinach	Crown Mites, Green Peach Aphids	1 $\frac{1}{2}$ quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Spruce (New England Only)	Spruce Gall Aphids	1 quart 100 gal. water applied before galls form.	None
Strawberries	Cyclamen Mites	1 qt. 100 gal. water or 1 gal. acre in East. 1 qt 100 gal. water or 2 gal. acre in West	Do not apply within 4 days before harvest. Do not apply at intervals of less than 35 days when fruit is present.
	Garden Symphylans (Northwest Only)	2 quarts 100 gal. water (plant dip) Dip entire plant.	Drain and allow plants to dry before setting them out. Wear rubber gloves during dipping operation.
	Meadow Spittlebugs, Strawberry Aphids	2 quarts	Do not apply within 4 days before harvest. Do not reapply within 15 days or more than twice within one 35 day period when fruit is present.
	Tarnished Plant Bugs	1 qt. 100 gal. water or 2 quarts. acre	
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Sugar Beets	Green Peach Aphids	1-2 quarts	Do not feed treated tops to livestock. Do not apply within 30 days before harvest. Do not plant root crops other than carrots, sugar beets, or sweet potatoes as follow up crops.
	Meadow Spittlebugs	1 quart in East. 1-2 quarts in West.	
	Sugar Beet Webworms	1 $\frac{1}{2}$ -2 quarts	
Sunflowers	Sunflower Moths	2 quarts	Do not apply more than 3 applications per season. Do not feed treated forage to livestock.
Sweet Potatoes	Banded Cucumber Beetle Larvae (South Central States Only) "Aids in Control"	2-4 quarts. Make only 1 application as a pre-planting soil treatment just prior to plant set Band Application Apply $\frac{1}{2}$ to 1 $\frac{1}{2}$ quarts on a 16 inch band over the row (48 inch rows)	Do not feed treated potatoes to livestock.

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NOTE: Important use is not but applic product is

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**WARNING**

## DIRECTIONS FOR USE

### *Agro-Chem Brand*

# THIODAN<sup>®</sup> 2E

Emulsifiable

Do not use this product for any uses other than those specified on this label.

**NOTE:** Important — Do not allow drift of this product to crops for which its use is not registered or to crops for which its use may be registered but application would be closer to harvest than recommended. This product is to be applied as a foliar application only.

For air application dilute in at least 3 to 10 gallons of water. For ground application dilute in 10 to 30 gallons of water.

**WARNING: Keep Out of Reach of Children.**  
See Other Precautions on this Label.

CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Peach Trees	Peach Tree Borers	1 1/2 quarts 100 gal. dosage in East. 1-1 1/2 quarts 100 gal. water in West. Apply to cover bark areas from ground to scaffold limbs.	
	Peach Twig Borers	1 quart 100 gal. water or 1-1 1/4 gal. acre in West only.	
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Potatoes	Aphids, Armyworms, Colorado Potato Beetles, Green Stink Bugs, Leaf-footed Bugs, Plant Bugs, Potato Flea Beetles, Potato Leafhoppers, Potato Tuberworms, Whiteflies	1-2 quarts	Do not plant root crops other than carrots, potatoes, and sweet potatoes as follow up crops.
	European Corn Borers, Potato Psyllids	1 1/2-2 quarts	
	False Chinch Bugs	2 quarts	
	Three-Lined Potato Beetles	1 quart in East. 1-2 quarts in West.	
Pumpkins	Aphids, Cucumber Beetles, Squash Vine Borers	1-2 quarts Squash Vine Borers — Apply as a full coverage spray when moths appear.	May be applied up to day of harvest.
Safflower	Green Peach Aphids	2 quarts	Do not apply after flower heads open.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Shade Trees, Shrubs	Aphids	1 quart 100 gal. water	Do not use on white birch.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Spinach	Crown Mites, Green Peach Aphids	1 1/2 quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Spruce (New England Only)	Spruce Gall Aphids	1 quart 100 gal. water applied before galls form.	None
Strawberries	Cyclamen Mites	1 qt. 100 gal. water or 1 gal. acre in East. 1 qt. 100 gal. water or 2 gal. acre in West.	Do not apply within 4 days before harvest. Do not apply at intervals of less than 35 days when fruit is present.
	Garden Symphylans (Northwest Only)	2 quarts 100 gal. water (plant dip) Dip entire plant.	Drain and allow plants to dry before setting them out. Wear rubber gloves during dipping operation.
	Meadow Spittlebugs, Strawberry Aphids	2 quarts	Do not apply within 4 days before harvest. Do not reapply within 15 days or more than twice within one 35 day period when fruit is present.
	Tarnished Plant Bugs	1 qt. 100 gal. water or 2 quarts acre	
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Sugar Beets	Green Peach Aphids	1-2 quarts	Do not feed treated tops to livestock. Do not apply within 30 days before harvest. Do not plant root crops other than carrots, sugar beets, or sweet potatoes as follow up crops.
	Meadow Spittlebugs	1 quart in East. 1-2 quarts in West.	
	Sugar Beet Webworms	1 1/2-2 quarts	
Sunflowers	Sunflower Moths	2 quarts	Do not apply more than 3 applications per season. Do not feed treated forage to livestock.
Sweet Potatoes	Banded Cucumber Beetle Larvae (South Central States Only) "Aids in Control"	2-4 quarts. Make only 1 application as a pre-planting soil treatment just prior to plant set. Band Application — Apply 2/3 to 1 1/3 quarts on a 16 inch band over the row (48 inch rows)	Do not feed treated potatoes to livestock

TEAR ALONG THIS LINE

CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Alfalfa (For Forage Only)	Meadow Spittlebugs	1 pint	Apply 1 week after eggs begin to hatch when first small masses of froth are produced in crowns of plants. Do not apply within 21 days before harvest or grazing. Do not apply more than once per cutting.
Alfalfa (For Seed Only)	Aphids	1 quart	Do not feed treated forage
	Lygus Bugs	3-4 quarts	
	Meadow Spittlebugs	1 pint	
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Apples	Apple Aphids, Rosy Apple Aphids	1 quart 100 gal. water or 1-1 <sup>1</sup> / <sub>4</sub> gal. acre	With unlimited number of applications at 1 <sup>1</sup> / <sub>4</sub> gal. of this product per acre each, do not apply within 30 days before harvest; with 3 applications at 1 <sup>1</sup> / <sub>4</sub> gal. of this product per acre each, do not apply within 21 days before harvest. With 2 applications at 2 gal. of this product per acre each, do not apply within 30 days before harvest. Do not feed pomace from treated apples.
	Apple Rust Mites	1 <sup>1</sup> / <sub>2</sub> -2 pints 100 gal. water or 1 <sup>1</sup> / <sub>2</sub> -2 gal. acre	
	Woolly Apple Aphids (In the West Only)	1 quart 100 gal. water or 2 gal. acre	
Apricots, Nectarines, Peaches	Black Cherry Aphids, Black Peach Aphids, Rusty Plum Aphids, Catfacing Insects, Green Peach Aphids, Peach Twig Borers	1 quart 100 gal. water or 1-1 <sup>1</sup> / <sub>4</sub> gal. acre	Do not apply within 30 days before harvest. Do not apply more than 2 applications during fruiting period. Peach Tree Borers Only -- Do not apply within 21 days before harvest.
	Lesser Peach Tree Borers	1 <sup>1</sup> / <sub>2</sub> quarts 100 gal. water. Thoroughly wet trunk and main limbs.	
	Peach Silver Mites	1 pint 100 gal. water or 1-1 <sup>1</sup> / <sub>4</sub> gal. acre	
	Peach Tree Borers	1 <sup>1</sup> / <sub>2</sub> quarts 100 gal. water in East. 1 quart 100 gal. water in West. Thoroughly wet all bark areas from ground to scaffold limbs.	
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Artichokes	Artichoke Aphids, Green Peach Aphids	In East: 1 <sup>1</sup> / <sub>2</sub> -2 quarts. In West: 1 <sup>1</sup> / <sub>2</sub> -2 quarts.	Do not apply within 7 days before harvest.
	Artichoke Plume Moths	2 quarts	
Beans (Except Limas)	Black Bean Aphids, Bean Leaf Skeletonizers, Cucumber Beetles, Green Stink Bugs, Mexican Bean Beetles	1-2 quarts	Do not apply within 3 days before harvest. Do not feed treated threshing to livestock or allow grazing of treated fields. Do not apply more than 3 applications per season.
	Western Bean Cutworms	2 quarts	
Blueberries	Blueberry Bud Mites	3 quarts in 300 gal. water applied immediately after harvest and 6-8 weeks later.	Do not apply after buds are well formed.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Box Elder	Box Elder Bugs	3 quarts 100 gal. water applied when insects appear and when needed.	Spray trunks and foliage when insects first appear in May and June; repeat as necessary. During late summer and fall, spray tree trunks, outside walls, fences where these bugs congregate.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Cabbage Aphids, Cabbage Loopers, Cross-Striped Cabbage Worms, Diamond-back Moth Larvae, Flea Beetles, Harlequin Bugs, Imported Cabbageworms, Stink Bugs	1 <sup>1</sup> / <sub>2</sub> -2 quarts.	Broccoli, Cabbage Do not apply within 7 days before harvest. Brussels Sprouts, Cauliflower Do not apply within 14 days before harvest.
	Armyworms, Cutworms	2 quarts	

CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Carrots	Green Peach Aphids	1-2 quarts	Do not apply within 7 days before harvest. Do not apply more than 2 applications per season. Do not use tops for food or feed.
Celery	Cabbage Loopers	1-2 quarts	Do not apply within 7 days before harvest. Do not apply more than 3 applications per season.
	Green Peach Aphids	1 quart	Do not apply within 7 days before harvest.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Cherries	Black Cherry Aphids, Plum Rust (Nursery) Mites	1 quart 100 gal. water or 1-1 <sup>1</sup> / <sub>4</sub> gal. acre	Do not apply within 21 days before harvest. Do not exceed 2 applications after shuck splits.
	*Eye-Spotted Bud Moths, Fruittree Leafrollers (Pacific Northwest Only)	1 quart 100 gal. water or 1-1 <sup>1</sup> / <sub>4</sub> gal. acre *Make application during popcorn stage of growth	
	Mineola Moths (Michigan Only)	2 quarts 100 gal. water applied during delayed dormant period only.	
Citrus (Non-Bearing Trees and Nursery Stock)	Citrus Aphids	1 pint 100 gal. water or 1 <sup>1</sup> / <sub>4</sub> gal. acre.	Do not apply to bearing trees or to trees that will bear within 12 months after application. Do not apply where shrimp or crab are important resources.
Cherry, Peach, Plum, Nursery Stock	Peach Tree Borers	1 gal. 40 gal. water immerse trees so that roots and crowns are covered.	Wear rubber gloves when dipping. If trees are not planted immediately, allow to dry before returning storage celler.
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Collards	Cabbage Loopers, Diamondback Moth Larvae, Harlequin Bugs, Imported Cabbageworms	1 <sup>1</sup> / <sub>2</sub> quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season.
Corn, Sweet (For Fresh Vegetable Use Only)	*Corn Earworms	3 quarts	*Apply at 2 to 3 day intervals beginning when silks first appear and continuing until they are dry. May be applied on day of harvest. Do not apply more than 5 applications per season. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage or graze treated fields.
	Corn Leaf Aphids	2 quarts	
Cotton	Boll Weevils	1-2 <sup>1</sup> / <sub>2</sub> quarts in East 1-3 quarts in West	Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. May be applied with other recommended insecticides (except for Thrips) providing the directions for use of such insecticides are complied with. When applying up to 1 <sup>1</sup> / <sub>2</sub> quarts per acre do not apply after 25% of bolls are open. When applying more than 1 <sup>1</sup> / <sub>2</sub> quarts per acre do not apply after bolls open. Workers entering treated fields within 24 hours of treatment should wear protective clothing.
	Bollworms, Cabbage Loopers, Cotton Leaf-Perforators, Lygus Bugs, Stink Bugs	2 quarts in East 2-3 quarts in West	
	Thrips	3 quarts	
Cucumbers, Squash	Aphids, Cucumber Beetles, Squash Vine Borers, Striped Flea Beetles, Melonworms, Squash Bugs	1-2 quarts Squash Vine Borers. Apply as a complete coverage application when moths appear.	May be applied up to day of harvest.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Dogwood, Lilac	Dogwood Borers, Lilac Borers	1-2 quarts 100 gal. water applied in early June and repeat 10-14 days afterward	Apply as a drench to the bark areas down to ground level.

CROP	CROP PEST
Douglas Fir (Grown For Ornamentals)	Coole Aphid Need
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Eggplant	Blist Color Flea Peacl Stink
CROP	CROP PEST
Grapes	Grap Rose
Juniper, Taxus, Other Evergreens	Taxu Blac
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Kale	Flea Bug; Cabi
CROP	CROP PEST
Leatherleaf Ferns	Leaf
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Lettuce	Cabi Dial Gre Imp
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Felled Logs	Sco Bup and Bcr
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**LIMITATIONS**

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**LIMITATIONS**

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**LIMITATIONS**

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CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Carrots	Green Peach Aphids	1-2 quarts	Do not apply within 7 days before harvest. Do not apply more than 2 applications per season. Do not use tops for food or feed.
Celery	Cabbage Loopers	1-2 quarts	Do not apply within 7 days before harvest. Do not apply more than 3 applications per season.
	Green Peach Aphids	1 quart	Do not apply within 7 days before harvest.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Cherries	Black Cherry Aphids, Plum Rust (Nursery) Mites	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre	Do not apply within 21 days before harvest. Do not exceed 2 applications after shuck splits.
	*Eye-Spotted Bud Moths, Fruitree Leafrollers (Pacific Northwest Only)	1 quart 100 gal. water or 1-1 $\frac{1}{4}$ gal. acre *Make application during popcorn stage of growth	
	Mineola Moths (Michigan Only)	2 quarts 100 gal. water applied during delayed dormant period only	
Citrus (Non-Bearing Trees and Nursery Stock)	Citrus Aphids	1 pint 100 gal. water or 1 $\frac{1}{4}$ gal. acre.	Do not apply to bearing trees or to trees that will bear within 12 months after application. Do not apply where shrimp or crab are important resources
Cherry, Peach, Plum Nursery Stock	Peach Tree Borers	1 gal. 40 gal. water immerse trees so that roots and crowns are covered.	Wear rubber gloves when dipping. If trees are not planted immediately, allow to dry before returning storage cellar
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Collards	Cabbage Loopers, Diamondback Moth Larvae, Harlequin Bugs, Imported Cabbageworms	1 $\frac{1}{2}$ quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season
Corn, Sweet For Fresh Vegetable Use Only	*Corn Earworms	3 quarts	*Apply at 2 to 3 day intervals beginning when silks first appear and continuing until they are dry. May be applied on day of harvest. Do not apply more than 5 applications per season. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage or graze treated fields
	Corn Leaf Aphids	2 quarts	
Cotton	Boll Weevils	1-2 $\frac{1}{2}$ quarts in East 1-3 quarts in West	Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. May be applied with other recommended insecticides (except for Thrips) providing the directions for use of such insecticides are complied with.
	Bollworms, Cabbage Loopers, Cotton Leaf-Perforators, Lygus Bugs, Stink Bugs	2 quarts in East 2-3 quarts in West	
	Thrips	3 quarts	When applying up to 1 $\frac{1}{2}$ quarts per acre do not apply after 25% of bolls are open. When applying more than 1 $\frac{1}{2}$ quarts per acre do not apply after bolls open. Workers entering treated fields within 24 hours of treatment should wear protective clothing.
Cucumbers, Squash	Aphids, Cucumber Beetles, Squash Vine Borers, Striped Flea Beetles, Melonworms, Squash Beetles, Squash Bugs	1-2 quarts Squash Vine Borers. Apply as a complete coverage application when moths appear.	May be applied up to day of harvest
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Dogwood, Lilac	Dogwood Borers, Lilac Borers	1-2 quarts 100 gal. water applied in early June and repeat 10-14 days afterward	Apply as a drench to the bark areas down to ground level

CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Douglas Fir (Grown For Ornamentals)	Cooley Spruce Gall Aphids, Douglas Fir Needle Midge*	1 quart/100 gal. water (Pacific Northwest Only)	*Apply in late April or early May or just before buds open. *Make application when white, cottony tufts appear
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Eggplant	Blister Beetles, Colorado Potato Beetles, Flea Beetles, Green Peach Aphids, Green Stink Bugs, Whiteflies	1 quart	Do not apply within 1 day before harvest
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Grapes	Grape Leafhoppers, Rose Chafer	1 quart/100 gal. water or 2-3 quarts acre.	Do not apply within 7 days before harvest. Do not apply to concord variety as injury may occur.
	Juniper, Taxus, Other Evergreens	Taxus Bud Mites Black Vine Weevils	1 quart/100 gal. water 2 quarts/100 gal. water
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Kale	Flea Beetles, Harlequin Bugs, Imported Cabbageworms	1 $\frac{1}{2}$ quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season.
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Leatherleaf Ferns	Leatherleaf Fern Borers	1 quart/100 gal. water	None
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Lettuce	Cabbage Loopers, Diamondback Moth Larvae, Green Peach Aphids, Imported Cabbageworms	1 $\frac{1}{2}$ -2 quarts	Do not apply within 14 days before harvest. Leaf Lettuce — Do not apply more than 2 applications per season. Head Lettuce — Do not apply more than 3 applications after thinning. Remove wrapper leaves at harvest. Do not feed waste to livestock
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Felled Logs	Scolytus Bark Beetles	2 gal./100 gal. water	Apply only to felled logs in late spring as thorough coverage applications
	Buprestid, Cerambycid and Curculionid Wood Borers	4 gal./100 gal. water	
Macadamia Nuts	Southern Green Stink Bugs	2 quarts 100 gal. water	Do not graze livestock in treated groves. Do not apply more than 7 $\frac{1}{2}$ gallons of this product per acre
CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Muskmelons, Watermelons, Cantaloupes	Aphids, Cucumber Beetles, Striped Flea Beetles, Melonworms, Pickleworms, Squash Beetles, Squash Vine Borers, Rindworms on Watermelons only	1-2 quarts. Squash Vine Borers. Apply as full coverage sprays when moths appear.	May be applied up to day of harvest
	Cabbage Loopers, Omnivorous Leafrollers	2 quarts	
Mustard Greens, Turnip Greens	Aphids, Cabbage Loopers, Imported Cabbageworms	1 $\frac{1}{2}$ quarts	Do not apply within 21 days before harvest. Do not apply more than 1 application per season
CROP	CROP PEST	DOSAGE RATE	LIMITATIONS
Ornamentals (Greenhouse & Outdoors)	Aphids, Cyclamen Mites, Rose Chafer, Whiteflies	1 quart/100 gal. water	Do not apply on white birch trees. This product may cause injury to Bonafon Deluxe, Fred Shoemith and White Knight Chrysanthemums in Greenhouse. Wear a mask or respirator of approved type for protection from this product

**PRECAUTIONARY & ANTIDOTE STATEMENT**

**WARNING**

Hazardous if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. May cause irritation of skin and eyes. Do not inhale fumes. Use with adequate ventilation. Do not take internally. 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. Workers entering treated areas within 24 hours of treatment should wear protective clothing. Use clean clothing daily. Wash thoroughly with soap and water after handling this product and before eating or smoking. Keep out of reach of children and domestic animals. Do not contaminate feed or foodstuffs. Not for use or storage in or around the home.

**FIRST AID**

**EXTERNAL:** In case of contact immediately remove contaminated clothing and wash with plenty of soap and water, and get medical attention.

**INTERNAL:** If swallowed, give a tablespoon of salt or mustard in a glass of warm water. Repeat until vomit fluid is clear. CALL A PHYSICIAN!

**WARNING**

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. 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.

Do not reuse empty drum. Return to drum reconditioner or destroy it by perforating or crushing and burying in a safe place.

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

**STOP-READ LABEL BEFORE USING!**

**Agro-Chem Brand**

**CHEMICAL DISTRIBUTORS**

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**P.O. BOX 21537 PHOENIX, ARIZ. 85036 PHONE 602 244-1311**

E.P.A. REG. NO. 1526-416 ..  
E.P.A. EST. NO. 1526-AZ-1

**THIODAN® 2E**

**Emulsifiable**

**ACTIVE INGREDIENTS:**

Endosulfan (Hexachlorohexahydromethano-2, 4, 3-benzodioxathiepin oxide) .....	24.00%
Aromatic Petroleum Solvent .....	69.50%
INERT INGREDIENTS .....	6.50%
	100.00%

® Registered trademark of CANADIAN HOECHST LIMITED, U. S. Patent No. 2,799,685

CONTAINS 2 LBS. OF ACTUAL THIODAN PER GALLON

**WARNING — FLAMMABLE !**

**KEEP AWAY FROM HEAT OR OPEN FLAME**

**DIRE**

CROP	CROP PEST
Sweet Potatoes Con't	Sweet Potato Flea Beetles
Tobacco	Cabbage Loopers, Green Peach Aphids, Tobacco Budworms, Tobacco Flea Beetles, Tobacco Hornworms Green June Beetle Larvae Stink Bugs
Tomatoes (Field and Greenhouse)	Blister Beetles, Colorado Potato Beetles, Flea Beetles, Green Peach Aphids Stink Bugs Tomato Hornworms, Whiteflies Cabbage Loopers Tomato Fruitworms, Tomato Russet Mites, Yellow Striped Armyworms Webworms (California Only)
Walnuts	Walnut Aphids
Watercress	Cyclamen Mites
Wheat, Oats, Rye, Barley	Army Cutworms

1526-416

NET CONTENTS



**WARNING: Keep Out of Reach of Children.**  
**See other precautions on this label.**

**NOTE STATEMENT**

**WARNING**

Do not get in contact with or absorbed through the skin. Do not get in eyes. May cause irritation of skin and eyes. Do not breathe vapors. Do not take internally. During use, wear protective clothing, gloves and a mask or respirator of a type passed or approved for Thiodan protection. Workers entering treated areas should wear protective clothing. Use clean water to wash hands with soap and water after handling this product. Keep out of reach of children and domestic animals. Not for use or storage in or near food or feedstuffs.

**FIRST AID**

Immediately remove contaminated clothing and wash with soap and water. Get medical attention.

Give 1-2 teaspoons of salt or mustard in a glass of water. If fluid is clear, CALL A PHYSICIAN!

**WARNING**

Do not apply to birds, and other wildlife. Birds feeding on treated plants. Do not apply when weather is wet. Do not contaminate water by cleaning equipment. Apply this product only as specified on label.

Return to drum reconditioner or destroy it by incineration in a safe place.

Do not apply when bees are actively flying.

**STOP - READ LABEL BEFORE USING!**

**Agro-Chem Brand**

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DEA



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**DIRECTIONS FOR USE**

CROP	CROP PEST	DOSAGE RATE/ACRE	LIMITATIONS
Sweet Potatoes Con't	Sweet Potato Flea Beetles	1 quart applied shortly after transplanting or when flea beetles appear. Repeat application as necessary.	
Tobacco	Cabbage Loopers, Green Peach Aphids, Tobacco Budworms, Tobacco Flea Beetles, Tobacco Hornworms	Seed Bed Apply 1 quart 100 gal. water at the rate of 6 gal. spray 100 sq. yds. Field Treatments. 1-2 quarts	Do not apply within 5 days before harvest.
	Green June Beetle Larvae	1 pint 100 gal. water. Drench plant beds at the rate of 1 gal. sq. yds.	
	Stink Bugs	2-3 quarts 100 gal. water	
Tomatoes (Field and Greenhouse)	Blister Beetles, Colorado Potato Beetles, Flea Beetles, Green Peach Aphids	1 quart in East. 1-2 quarts in West.	Do not apply within 1 day before harvest
	Stink Bugs	1 1/2-2 quarts	
	Tomato Hornworms, Whiteflies	1-2 quarts Whiteflies Apply 100-200 gal. spray per acre.	
	Cabbage Loopers	1 1/2 quarts in East. 1 1/2-2 quarts in West.	
	Tomato Fruitworms, Tomato Russet Mites, Yellow-Striped Armyworms	2 quarts	
	Webworms (California) Only	1-2 quarts	
Walnuts	Walnut Aphids	3-4 quarts	Do not apply after husks split. Do not graze livestock in treated groves.
Watercress	Cyclamen Mites	1-2 quarts. Make first applications after cutting before new growth starts, and make second application 7-10 days later.	Do not apply within 7 days before harvest
Wheat, Oats, Rye, Barley	Army Cutworms	1 quart Aerial Application Apply in 2 gal. diesel fuel oil.	Do not apply after heads begin to form. Do not feed treated forage to dairy animals or animals for slaughter.

**NOTICE**

Seller makes no warranty, expressed 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.

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