

# Diazinon® 4 EC

## Insecticide

For Agricultural or Commercial Use Only.

EPA Reg. No. 279-2945 AA EPA Est. 279

### Active Ingredients:

*O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	48.0%
Xylene Range Aromatic Solvent	36.0%

Inert Ingredients:	16.0%
	100.0%

Contains 4 pounds Diazinon per gallon.  
Diazinon® is a registered trademark of FMC Corporation.

**KEEP OUT OF REACH OF CHILDREN**

### WARNING

#### Statement of Practical Treatment

**If swallowed,** call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**If inhaled,** remove victim to fresh air. Apply artificial respiration if indicated.

**If on skin,** remove contaminated clothing and wash affected areas with soap and water.

**If in eyes,** flush eyes with plenty of water. Call a physician immediately.

For Emergency Assistance Call 716-755-3765

See Other Panels for Additional Precautionary Information

# FMC

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia Pennsylvania 19103  
1-800-441-6881

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans (& Domestic Animals)

##### Warning

May be fatal if swallowed. May be absorbed through the skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock. Do not permit children or pets to go into sprayed grass until spray has completely dried.

#### Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened/endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

#### Physical or Chemical Hazards

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

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

#### Storage and Disposal

Do not store below 10°F (-12°C). Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide spray mixture or residue that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act. To dispose of container, triple rinse (or equivalent) and offer for recycling or reconditioning or dispose of in a sanitary landfill, or by other approved State and local procedures. Return empty 30 gallon drum to reconditioner. Do not cut or weld this container.

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control.

#### Fruit and Nut Crops

Note: Unless otherwise stated, the following rates should be applied as a dilute full cover spray.

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**Almonds**

Mites, Twig Borers: Apply 1-1½ pts. per 100 gals. of water.

Parlatoria Scales, San Jose Scales: Mix 1-1½ pts. Diazinon 4 EC plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray

Almond hulls may be used for feed for livestock.

**Apricots**

Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive Scale Crawlers: Mix ½ pt. of Diazinon 4 EC plus 1½ gals. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Apricot Mealybugs: Mix 1 pt. per 100 gals. of water. Apply as a cover spray from petal fall to June.

Do not apply within 10 days of harvest.

**Blueberries**

Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Twospotted Mites: Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre. Do not apply within 7 days of harvest.

**Caneberries**

Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries: Leafhoppers, Thrips, Aphids, Twospotted Mites, Raspberry Sawflies: Apply 2 pts. per acre in a minimum of 100 gals. of water.

Raspberry Fruitworms: Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open.

Dryberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. Make a second application when the buds are well developed, but still closed.

Do not apply within 7 days of harvest.

Raspberry Crown Borers (Raspberry Root Borers): Apply 2 qts. per acre in a minimum of 100 gals. of water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest.

**Cherries**

Eyespotted Bud Moths, Fruittree Leafrollers: Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary beginning with petal fall.

Cherry Fruit Flies: Mix ½-1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge, and repeat at 10-day intervals.

Leafhoppers: Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Black Cherry Aphids: Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days.

San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear.

Do not apply within 10 days of harvest.

Cherry Rust Mites: Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

**Citrus Fruits**

Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these

Citrus Aphids, Fruittree Leafrollers, Cottony Cushion Scale Crawlers, Soft Scale Crawlers: Apply ½-1 pt. per 100 gals. of water (maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruittree Leafrollers: Use ½-1 pt. per 100 gals. of spray (maximum 1,000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 1,000 gals. per acre) when thrips first appear.

Citrus Snow Scales: Apply 1-2 pts. per 100 gals. of water (maximum 1,000 gals. per acre) as a postbloom spray and again as a summer spray. For heavy snow scale infestations, use the higher dosage rate. Thorough coverage of tree trunks, limbs, and twigs is essential.

Do not apply during bloom. Do not apply to citrus within 21 days of harvest. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

**Cranberries**

Blackheaded Fireworms (*Rhopobota naevana*): Apply 2 qts. in 400 gals. of water per acre.

Cranberry Fruitworms: Apply 3 qts. in 400 gals. of water per acre.

Do not apply within 7 days of harvest.

**Figs**

Vinegar Flies (*Drosophila spp.*), Dried Fruit Beetles: Apply 1 pt. per 100 gals. of water. Do not apply within 5 days of harvest.

**Filberts**

Filbert Leafrollers, Aphids: Apply 1-2 qts. in 250-400 gals. of water per acre as a thorough cover spray.

**Grapes**

Pacific Spider Mites, Leafhoppers, Grape Berry Moths, and Grape Leafrollers: Use 1 pint per 100 gallons of water and apply as a thorough cover spray, or apply 2 pints per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest. *Drosophila spp.*: Mix 6 fluid ounces with 100 gallons of water and apply as a thorough cover spray, or apply a maximum of 18 fluid ounces per acre in sufficient water for thorough coverage when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest.

**Greens**

Olive Scales: Mix ½-1 pt. of Diazinon 4 EC plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July.

Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

**Peaches, Nectarines**

Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of

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water. Apply when aphids, mites, and scale crawlers first appear.  
 Olive Scale Crawlers. Mix 1 pt. of Diazinon 4-E with 1 gal. of jet  
 medium horticultural oil per 100 gals. of water. Apply when scale  
 crawlers are present.

Oriental Fruit Moths. Mix 1 pt. per 100 gals. of water and apply at  
 100% petal fall. Make 2 additional applications at 7 to 10 day intervals.  
 Time the last application to peak activity of the pest, if possible.

Peach Twig Borers. Mix 1 pt. per 100 gals. of water and apply to  
 peaches in May and June.

Leathoppers. Peaches. Apply 1 pt. per 100 gals. of water in 2  
 applications beginning at petal fall and continuing through the growing  
 season. Do not apply as a post-harvest treatment.

White Peach Scale. Peaches. Mix 1 qt. of horticultural oil with  
 1 to 2 pts. per 100 gals. of water and apply to the leaves with a spray  
 and immature scale activity. Under conditions of heavy infestation,  
 two applications may be necessary.

Do not apply to peaches within 7 days of harvest.

**Pecans**

Aphids. Mites. Pecan Nut Casebearers. Walnut Caterpillars. Apply 1 pt.  
 per acre as a foliage spray. Do not apply to the ground. Do not apply  
 after husk crack.

**Pineapple**

Scale. Apply 1/2 qt. of Diazinon 4-E with 1 gal. of jet medium  
 horticultural oil per 100 gals. of water to the underside of  
 the plants following harvest of pineapple.

Mealybugs. Apply 2 pts. per acre in a minimum of 100 gals. of water.  
 May be applied on day of harvest.

Pineapple frugivore. Do not apply to the fruit. Do not apply  
 after harvest.

**Plums, Prunes**

Brown Mites. Clover Mites. Spider Mites. Fruit Mites. Apply 1 pt. per  
 gal. of water.

Leafroll. Plum Aphids. Mealybugs. Scale. Spider Mites. Apply 1 pt.  
 per 100 gals. of water.

Do not apply within 7 days of harvest.

**Strawberries**

Aphids. Two-spotted Spider Mites. Apply 1 pt. per 100 gals. of water  
 per acre.

Cyclamen Mites. Apply 1 pt. per 100 gals. of water per acre. Directly  
 spray to plant roots. Plants should be sufficiently irrigated to assure  
 thorough coverage of the foliage. Make additional applications if  
 necessary after harvest.

Mite Trunkers. Broadcast to ground where mites are present.  
 Apply 10 days before the spray is to be made. Do not apply to  
 12 inches of soil.

Strawberry leafhoppers. Mix 1 pt. per 100 gals. of water. Apply 1  
 gal. of spray per acre when blossoms show.

Do not apply within 7 days of harvest.

**Walnuts**

Aphids. Mites. Apply 1 pt. per acre as a foliage spray. Do not apply to  
 the ground.

Walnut Midges. Scale. Sawflies. Walnut Caterpillars. Apply 1 pt. per  
 acre as a foliage spray. Do not apply to the ground.

Do not apply after the husk is open.

**Vegetable Foliar Insects**

Crops. Otherwise stated, foliar applications of Diazinon 4-E should  
 always be applied to vegetable crops as a spray in a minimum of 1  
 gal. of water per acre for each application and a minimum of 1  
 gal. of water per acre for each application.

**Beans**

Common Beans. Snap Beans. Lima Beans.

Black Bean Aphids. Mexican Bean Beetles. Leafminers. Apply 1 pt.  
 per acre.

Cucumber Beetles. Apply 1 pt. per 100 gals. of water per acre.

Do not apply within 7 days of harvest. Bean forage or bean hay  
 may be fed to dairy and beef cattle and sheep. Wait 4 days following  
 treatment for forage to be fit for hay.

**Lima Beans**

Cyberius Leafminers. Leafhoppers. Mites. Apply 1 pt. per acre. Do  
 not apply within 7 days of harvest. Bean forage or bean hay may be  
 fed to dairy and beef cattle and sheep. Wait 4 days following treatment  
 for forage to be fit for hay.

**Broccoli, Cabbage, Cauliflower**

Aphids. Diamondback Moths. Imported Cabbageworms. Apply 1 pt.  
 per acre. Applications at 7 to 10 day intervals will usually be required.  
 Do not apply to the ground. Do not apply to cauliflower within 7 days of harvest.

**Brussels Sprouts**

Aphids. Diamondback Moths. Imported Cabbageworms. Apply 1 pt.  
 per acre. Generally, applications at 7 to 10 day intervals will be required.  
 Do not apply to brussels sprouts within 7 days of harvest.

**Carrots**

Aphids. Apply 1 pt. per acre. Do not apply within 10 days of harvest.

**Celery**

Aphids. Flea beetles. Apply 1 pt. per 100 gals. of water per acre. Do not  
 apply within 7 days of harvest. Plants should be market trimmed.  
 Tops removed before being shipped or used. Tops should not be  
 used for feed.

**Collards, Kale, Swiss Chard, Turnip Tops**

Aphids. Imported Cabbageworms. Diamondback Moths. Harlequin  
 Cabbage Bugs. Apply 1 pt. per acre. Do not apply to collards, kale,  
 or turnip tops within 7 days of harvest. Swiss chard within 10 days of  
 harvest.

**Cucumbers**

Aphids. Imported Cabbageworms. Trips. Apply 1 pt. per acre. Do not  
 apply within 7 days of harvest.

**Lettuce - Endive**

Aphids. Cyberius Leafminer. Apply 1 pt. per acre. Do not apply  
 within 7 days of harvest.

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**Melons, Squash**

Cantaloupes, Casabas, Cranshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these, Watermelons and their hybrids, Summer and Winter Squash

Aphids, Leafhoppers, Mites. Apply 1.1 pts. per acre.

Serpentine Leafminers, Thrips. Apply 1.1 pt. per acre.

Do not apply to melons and winter squash within 3 days or to summer squash within 7 days of harvest.

**Mushroom Houses**

Mushroom Flies (Phorids and Sciardids). Mix 1.1 gal. of 4% solution of water, 0.5% to 1.0% actual Diazinon, and spray inside walls, floors, and walls and ventilators of mushroom houses after most of the material has been pasteurized by heating. Do not spray compost in beds or after spawning.

To treat wooden sides of beds, posts, doors, and trim frames, after pasteurizing, mix 1 pt. in 6 gal. of water and apply with a brush.

Do not treat compost.

**Onions**

Onion Thrips. Apply 1 pt. per acre. Do not apply within 10 days of harvest.

**Peas**

Aphids, Leafminers. Apply 1.1 pt. per acre. Peas may be picked immediately. Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

**Peppers**

Aphids, Serpentine Leafminers. Apply 1.1 pt. per acre. Do not apply within 5 days of harvest.

**Potatoes**

Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers. Apply at the rate of 1.1 pt. per acre.

Banded Cucumber Beetles, Leafhoppers, Southern Armyworms. Apply 1.1 pt. per acre.

Do not apply within 35 days of harvest.

**Radishes, Parsnips, Turnips**

Aphids, Flea Beetles, Dipterous Leafminers. Apply 1.1 pt. per acre. Do not apply within 10 days of harvest.

**Spinach, Beets**

Aphids, Dipterous Leafminers. Apply 1.1 pt. per acre. Do not apply to spinach within 15 days or to beets within 14 days of harvest.

**Squash (Summer and Winter)**

See Melons and Squash.

**Sweet Corn**

Corn Earworms. Apply 1.1 pts. per acre when silks first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. Leafy forage may be fed to dairy and beef cattle and sheep.

Refer also to Corn, Under Field and Forage Foliar Insects and Fleas and Forage Soil Insects.

**Tomatoes**

Aphids, Dipterous Leafminers. Apply 1.1 pt. per acre. Do not apply

miners, weekly applications are usually required.

Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms. Apply 1.1 pt. per acre.

Vinegar Flies (*Drosophila* spp.). Apply 1.1 pts. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

**Watercress (Hawaii)**

Cyclamen Mites. Mix 1 pt. per 100 gal. of water and apply to the plants as a thorough cover spray. Spray should be directed to the leaves and growing tips of plants. For best results, there should be a second application no later than 7 days after the first application. Repeat applications as necessary. Do not apply within 14 days of harvest.

**Vegetable Soil Insects**

Unless otherwise stated, soil applications of diazinon 4 EC should always be applied to vegetable crops as a pre-planting application of 1.1 gal. of water per 100 sq. ft. for ground applications.

<b>Cutworms</b> (Surface and Subterranean)	Kale	Snap Beans
Broccoli	Letts	Spinach
Brussels sprouts	Onion	Summer Squash
Cabbage	Pea	Sweet Corn
Cantaloupes	Muskmelons	Winter Squash
Cauliflower	Peas	
Celery	Peppers	
Collards	Potatoes	
Cucumbers		
Endive, Escarole		

Broadcast 1.1 pts. per acre just prior to planting. Work the soil to a depth of 2-3 inches. This preparation will also control many other soil insects.

<b>Garden Symphylans</b>	Peas	Snap Beans
Cabbage	Pea Beans	Spinach
Carrots	Radishes	Tomatoes
Corn	Red Beets	
Letts		

Broadcast 1.1 pts. per acre just prior to planting. Immediately work the soil to a depth of 2-3 inches. This preparation treatment will also control many other soil insects, including wireworms, surface and subterranean mole crickets, and maggots and wireworms.

<b>Mole Crickets</b>	Endive, Escarole	Radishes
Broccoli	Kale	Tomatoes
Brussels sprouts	Letts	Turnips
Cabbage	Mustard	
Cauliflower	Peppers	
Collards		

Broadcast 1.1 pt. per acre when insects are present. Make applications to plants 10-15 days prior to sowing of seed in that planting and immediately work the soil to a depth of 2-3 inches.

**Onion Maggots**

Onions. Furrow Application. Apply 1.1 pt. per acre in 50% wet water to dress the seed furrow at planting time.

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**Broadcast Application** - Apply 4.0 lbs. per acre of 20-20-20 fertilizer to the soil surface 2-4 weeks before planting.

**Root Maggots**  
 Broadcast 2.5 lbs. per acre of 20-20-20 fertilizer to the soil surface 2-4 weeks before planting. This will help to control root maggots.

**Transplant Water** - Apply 1.0 gallon of water per plant at the time of transplanting. This will help to establish the plants.

**Resistant Varieties** - Use resistant varieties of plants to help control pests.

**Wireworms**

Plant	Rate	Application
Alfalfa	2.0 lbs. per acre	Pre-planting
Grass	1.0 lb. per acre	Pre-planting
Beans	1.0 lb. per acre	Pre-planting
Peas	1.0 lb. per acre	Pre-planting
Onions	1.0 lb. per acre	Pre-planting
Garlic	1.0 lb. per acre	Pre-planting
Asparagus	1.0 lb. per acre	Pre-planting
Spinach	1.0 lb. per acre	Pre-planting
Kale	1.0 lb. per acre	Pre-planting
Brussels Sprouts	1.0 lb. per acre	Pre-planting
Cauliflower	1.0 lb. per acre	Pre-planting
Broccoli	1.0 lb. per acre	Pre-planting
Carrots	1.0 lb. per acre	Pre-planting
Potatoes	1.0 lb. per acre	Pre-planting
Sweet Potatoes	1.0 lb. per acre	Pre-planting
Tomatoes	1.0 lb. per acre	Pre-planting
Cucumbers	1.0 lb. per acre	Pre-planting
Pumpkins	1.0 lb. per acre	Pre-planting
Squash	1.0 lb. per acre	Pre-planting
Zucchini	1.0 lb. per acre	Pre-planting
Eggplant	1.0 lb. per acre	Pre-planting
Peppers	1.0 lb. per acre	Pre-planting
Chili Peppers	1.0 lb. per acre	Pre-planting
Onion Sets	1.0 lb. per acre	Pre-planting
Garlic Sets	1.0 lb. per acre	Pre-planting
Asparagus Sets	1.0 lb. per acre	Pre-planting
Spinach Sets	1.0 lb. per acre	Pre-planting
Kale Sets	1.0 lb. per acre	Pre-planting
Brussels Sprouts Sets	1.0 lb. per acre	Pre-planting
Cauliflower Sets	1.0 lb. per acre	Pre-planting
Broccoli Sets	1.0 lb. per acre	Pre-planting
Carrot Sets	1.0 lb. per acre	Pre-planting
Potato Sets	1.0 lb. per acre	Pre-planting
Sweet Potato Sets	1.0 lb. per acre	Pre-planting
Tomato Sets	1.0 lb. per acre	Pre-planting
Cucumber Sets	1.0 lb. per acre	Pre-planting
Pumpkin Sets	1.0 lb. per acre	Pre-planting
Squash Sets	1.0 lb. per acre	Pre-planting
Zucchini Sets	1.0 lb. per acre	Pre-planting
Eggplant Sets	1.0 lb. per acre	Pre-planting
Pepper Sets	1.0 lb. per acre	Pre-planting
Chili Pepper Sets	1.0 lb. per acre	Pre-planting
Onion Set	1.0 lb. per acre	Pre-planting
Garlic Set	1.0 lb. per acre	Pre-planting
Asparagus Set	1.0 lb. per acre	Pre-planting
Spinach Set	1.0 lb. per acre	Pre-planting
Kale Set	1.0 lb. per acre	Pre-planting
Brussels Sprouts Set	1.0 lb. per acre	Pre-planting
Cauliflower Set	1.0 lb. per acre	Pre-planting
Broccoli Set	1.0 lb. per acre	Pre-planting
Carrot Set	1.0 lb. per acre	Pre-planting
Potato Set	1.0 lb. per acre	Pre-planting
Sweet Potato Set	1.0 lb. per acre	Pre-planting
Tomato Set	1.0 lb. per acre	Pre-planting
Cucumber Set	1.0 lb. per acre	Pre-planting
Pumpkin Set	1.0 lb. per acre	Pre-planting
Squash Set	1.0 lb. per acre	Pre-planting
Zucchini Set	1.0 lb. per acre	Pre-planting
Eggplant Set	1.0 lb. per acre	Pre-planting
Pepper Set	1.0 lb. per acre	Pre-planting
Chili Pepper Set	1.0 lb. per acre	Pre-planting

**Field and Forage Foliar Insects**  
 Apply 1.0 lb. per acre of insecticide to the foliage of plants to control foliar insects.

**Southern Potato Wireworms**  
 Apply 1.0 lb. per acre of insecticide to the soil surface 2-4 weeks before planting to control southern potato wireworms.

**Alfalfa, Clover**  
 Apply 1.0 lb. per acre of insecticide to the foliage of alfalfa and clover to control insects.

**Mops**  
 Apply 1.0 lb. per acre of insecticide to the foliage of mops to control insects.

may be grazed immediately following application. May be fed green alfalfa immediately following application. May be fed hay or silage immediately following application.

**Alfalfa**  
 Apply 2.0 lbs. per acre of insecticide to the foliage of alfalfa to control insects.

**Clover**  
 Apply 1.0 lb. per acre of insecticide to the foliage of clover to control insects.

**Field and Forage Foliar Insects**  
 Apply 1.0 lb. per acre of insecticide to the foliage of plants to control foliar insects.

**Southern Potato Wireworms**  
 Apply 1.0 lb. per acre of insecticide to the soil surface 2-4 weeks before planting to control southern potato wireworms.

**Alfalfa, Clover**  
 Apply 1.0 lb. per acre of insecticide to the foliage of alfalfa and clover to control insects.

**Mops**  
 Apply 1.0 lb. per acre of insecticide to the foliage of mops to control insects.

**Cotton**  
 Apply 1.0 lb. per acre of insecticide to the foliage of cotton to control insects.

**Field and Forage Foliar Insects**  
 Apply 1.0 lb. per acre of insecticide to the foliage of plants to control foliar insects.

**Southern Potato Wireworms**  
 Apply 1.0 lb. per acre of insecticide to the soil surface 2-4 weeks before planting to control southern potato wireworms.

**Alfalfa, Clover**  
 Apply 1.0 lb. per acre of insecticide to the foliage of alfalfa and clover to control insects.

**Mops**  
 Apply 1.0 lb. per acre of insecticide to the foliage of mops to control insects.

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**Sorghum**

Use a minimum of 1 gal. of water for aerial applications and 1/2 gal. of water for ground applications.

**Sorghum Midge:** Apply 1 pt. per acre when eggs or feeds have emerged from the boot. Repeat applications within 4 days.

**Mites:** Apply 1 pt. per acre when infestation first appears and repeat applications as necessary.

**Greenbug:** Apply 1 pt. per acre when infestation first appears and repeat as necessary.

**Texas and Oklahoma:** Apply 1 pt. per acre in the field. Apply 1 pt. per acre.

Corn may be fed to livestock immediately following treatment. Do not apply within 7 days of harvest for silage.

**Sugar Beets**

**Beet Leafhoppers:** Apply 1 pt. per acre when infestation first appears.

**Grasshoppers:** Apply 1 pt. per acre.

This may be fed to beet and silage.

**Sugarcane**

**Apples:** Apply 1 pt. per acre. Aerial application is most effective. Do not apply within 7 days of harvest.

**Tobacco**

**Apples:** Apply 1 pt. per acre. Aerial application is most effective. Do not apply within 7 days of harvest.

**Grasshoppers:** Apply 1 pt. per acre. Aerial application is most effective. Do not apply within 7 days of harvest.

**Field and Forage Soil Insects**

Unless otherwise stated, use 1/2 gal. of water for aerial applications and 1/4 gal. of water for ground applications. Do not apply within 7 days of harvest for silage.

**Alfalfa, Clover**

**Grasshoppers:** Apply 1 pt. per acre when infestation first appears. Do not apply within 7 days of harvest.

**Corn**

**Postemergence Basal Treatment:** Apply 1/2 pt. per acre. Do not apply within 7 days of harvest for silage. Do not apply within 7 days of harvest for silage. Do not apply within 7 days of harvest for silage. Do not apply within 7 days of harvest for silage.

**Suggested Rates According to Row Spacing for Corn Rootworm Larvae Control**

Row Spacing	1/2 Acre Feet of Corn Row Area	Postemergence Basal Treatment Rate
40"	1.990	14.26
36"	2.222	15.53
32"	2.469	16.81
28"	2.720	18.10
24"	2.976	19.40
20"	3.237	20.71
16"	3.503	22.04
12"	3.774	23.38
8"	4.050	24.74
4"	4.331	26.11

These rates are based on a 1/2 acre of corn row area. Do not apply more than 1/2 acre of corn row area based on the 1/2 acre row width.

**Grasshoppers:** Apply 1/2 pt. per acre. Do not apply within 7 days of harvest for silage.

**Grasshoppers:** Apply 1/2 pt. per acre. Do not apply within 7 days of harvest for silage.

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*Supplemental label  
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... ..

**Sugar Beets**  
Apply this product as directed to the foliage of sugar beets immediately after planting.

**Sugarcane**  
Apply this product to the foliage of sugarcane plants as directed.

**Tobacco**  
Apply this product to the foliage of tobacco plants as directed.

**Range, Pasture, and Grassland Insects**  
Apply this product to the foliage of range, pasture, and grassland plants as directed.

**Bermudagrass and Forage Grasses (other than Range and Pasture Grasses)**  
Apply this product to the foliage of bermudagrass and forage grasses as directed.

**Rangeland, Pasture, Ditch Banks, Roadsides, Wasteland, and Crop Area Barrier Strips**  
Apply this product to the foliage of rangeland, pasture, ditch banks, roadsides, wasteland, and crop area barrier strips as directed.

**Ornamental Insect Control**  
Apply this product to the foliage of ornamental plants as directed.

	Rate per Acre	Rate per 1000 Sq. Ft.
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Apply this product to the foliage of ...  
Mimosa Webworms ...  
Lawn Insect Control ...

**Mimosa Webworms**  
Apply this product to the foliage of mimosa trees as directed.

**Lawn Insect Control**  
Apply this product to the foliage of lawn plants as directed.

Apply this product to the foliage of ...  
Mimosa Webworms ...  
Lawn Insect Control ...  
Mimosa Webworms ...  
Lawn Insect Control ...

Apply this product to the foliage of ...

*Supplemental Label  
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Lawn Billbugs Sod Webworms Lawn Moths Sawbugs		For lawns, mow first and water well before treatment but delay irrigation until grass is dry. Do not water again if necessary.
Brown Dog Ticks Bermuda Mites Chiggers, Fleas Leatherjackets Ticks	4 fl oz / 2 gal	Do not apply to annuals. For lawns, trees, shrubs, and ornamentals, spray directly on leaf surface.
Milipedes	8 fl oz / 4 gal	
Rhodesgrass Lilies	4 fl oz / 2 gal	Apply when mowing first time.

Milipedes application in 2 gal of water per 100 sq ft. Thoroughly water immediately following application.

**Boxelder bugs** (prayer bugs) - In the fall, mix with 1/2 cup of talc spoons in 1 gal water. At the same time, spray on the ground and foliage on windward side of trees and other plants and other places where the insects hide.

**Billbugs, White Grubs** (such as Japanese beetle grubs, June beetle grubs, Southern Chafers) - Apply 4 fl oz per 100 sq ft of lawn. Water grass thoroughly after application. For grub control, application any time between late July and early September. For billbug control, apply when activity is first observed or when new damage to lawn grass is present, indicating damage from this insect.

**Hyperodes Weevil** (New York weevil) - Apply 4 fl oz per 100 sq ft of lawn grass. Water grass thoroughly after application. Treat lawn in mid-April and again in mid-May.

**Forest Insects**

**Pine** (Seed Orchards, Plantations, Forests)  
Arkansas Sawfly (Loblolly Sawfly) - Apply 1 pt per acre over the tree canopy. Application should be made at the time the sawfly is in flight. Aerial applications should be made with a minimum of 100 ft of spray per acre in swaths not more than 90 ft wide. Repeat application as needed.

**Dealers Should Sell in Original Packages Only.**

**Terms of Sale or Use** - On purchase of this product, buyer and dealer agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as warranted, the product is sold "as is." Buyer and user assume all risk of use and of handling and of storage of this material. When such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations** - Follow the label directions for use and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

**Use of Product** - FMC makes no representation for the use of this product other than as specifically indicated on the label. The use of this product being beyond the control of the manufacturer, no warranty, expressed or implied, is made as to the effects, benefits or the results to be obtained from use of this product with directions or established safety practices.

**Damages** - Damages caused by use of this product for purposes not provided for on the label are not covered. Damages caused by use of this product for purposes not provided for on the label are not covered.

FMC CORPORATION