

A PRENTISS PEST-TESTED PROD

GENERAL INFORMATION

In the directions for use given below, unless otherwise noted, Diazinon 50W should be mixed with sufficient water to assure thorough coverage. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control. Since Diazinon 50W is a wettable powder formulation, constant agitation is necessary during application.

FRUIT AND NUT INSECTS

Almonds - Mites, Twig Borers: Apply 1-1½ lbs. per 100 gals. of water.
Parlatoria Scales, San Jose Scales: Mix 1-1½ lbs. Diazinon 50W plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray.
 Almond hulls may be fed to livestock.
Apples - Leafhoppers: Apply 1 lb. per 100 gallons of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.
San Jose Scales, Mealybugs, Apple Aphid eggs, European Red Mite eggs, Brown Mite eggs: Mix 1 lb. of Diazinon 50W plus 1 gal. of superior type oil or 2 gals. of dormant oil per 100 gals. of water. Apply as a dormant or a delayed dormant spray.
Eye-spotted Bud Moths, Fruit-tree Leaf Rollers, Mealybugs: Mix 1 lb. per 100 gals. of water. Make 3 to 8 cover spray applications, beginning in the pink stage.
 Do not apply within 14 days of harvest.
Apples and Pears - Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Woolly Apple Aphids, Mites: Mix 1 lb. of Diazinon 50W per 100 gallons of water. Make 3 to 8 cover spray applications, beginning with the first cover. Applications should be timed according to insect infestations.
Apple Maggots: Mix 1 lb. of Diazinon 50W per 100 gallons of water. Make at least 3 cover spray applications when flies are active and laying eggs.
San Jose Scale Crawlers, Forbes Scale Crawlers: Mix 1 lb. per 100 gallons of water. Apply early in the season when crawlers first appear. If infestation warrants, make a second application 7 to 10 days later.
 Note: Mites will be suppressed if Diazinon 50W is used in the regular cover spray program. Slight russeting may occur on some varieties of apples, such as Golden Delicious.
Pears - San Jose Scales, Brown Apricot Scales, Walnut Scales, Apricot Mealybugs: Mix 1 lb. of Diazinon 50W plus 2 gallons of dormant oil per 100 gallons of water. Apply as a dormant spray.
Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 lb. per 100 gallons of water. Apply when aphids, mites and scale crawlers first appear.
Olive Scale Crawlers: Mix ½ lb. of Diazinon 50W plus 1½ gallons of light medium horticultural oil per 100 gallons of water. Apply when scale crawlers are present. Apricot Mealybugs: Mix 1 lb. 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, Two-spotted Mites: Mix 1 lb. per 100 gals. of water. Apply up to 200 gals. of spray per acre or apply 2 lbs. per acre in sufficient water for thorough coverage. Do not apply within 7 days of harvest.
Caneberries - i.e. Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries - Leafhoppers, Thrips, Aphids, Two-spotted Mites, Raspberry Sawflies: Mix 1 lb. per 100 gals. of water and apply up to 200 gals. of spray per acre, or apply 2 lbs. per acre in sufficient water for thorough coverage.
Raspberry Fruitworms: Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open.
Dryberry Mites: Mix 2 lbs. per 100 gals. of water. Apply as a dormant spray in early spring, when canes are stiff on the ground and buds are closed. Make a second application when the buds are well developed but still closed.
Raspberry Crown Borers (Raspberry Root Borers): Mix 4 lbs. per 100 to 200 gals. of water and apply as a drench to the crown and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest.
 Do not apply within 7 days of harvest.
Cherries - Brown Apricot Scales, San Jose Scales, Black Scales, Black Cherry Aphid eggs, Brown Mite eggs: Mix 1½ lbs. of Diazinon 50W plus 3 gals. of dormant oil per 100 gals. of water. Apply as a dormant spray.
Eye-spotted Bud Moths, Fruit-tree Leaf Rollers: Mix 1 lb. per 100 gals. of water. Apply in cover spray as necessary, beginning with petal fall.
Leafhoppers: Apply 1 lb. per 100 gallons of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.
Cherry Fruit Flies: Mix ½-1 lb. per 100 gals. of water. Make 3 or 4 applications beginning when adult flies begin to emerge and repeating at 10-day intervals.
Black Cherry Aphids: Mix 1 lb. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days.
San Jose Scale Crawlers: Mix 1 lb. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear.
Cherry Rust Mites: Mix ½-1 lb. per 100 gals. of water. Apply as a supplemental spray after harvest. Do not apply within 10 days of harvest.
Cranberries - Black-headed Fireworm, Sparganothis sulfureana: Apply 4 lbs. in 400 gallons of water per acre.
Cranberry Fruitworms: Apply 6 lbs. in 400 gallons of water per acre.
 Do not apply within 7 days of harvest.
Figs - Vinegar Flies (Drosophila spp.), Dried Fruit Beetles: Apply 1 lb. per 100 gals. of water. Do not apply within 5 days of harvest.
Filberts - Filbert Leaf Rollers, Aphids: Apply 2-4 lbs. in 250-400 gals. of water per acre, as a thorough cover spray.
Citrus Fruits - Citrus Fruit, Lemons, Limes, Oranges, Tangerines, Tangelos, Citrus Citrus, Kum-

quats, water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations 2 applications may be necessary.
 Do not apply to peaches within 20 days, or to nectarines within 10 days, of harvest.
Pears - Pear Leaf Blister Mites, Mealybugs, San Jose Scales, Brown Apricot Scales: Mix 1 lb. of Diazinon 50W plus 2 gals. of dormant oil per 100 gals. of water. Apply as a dormant spray.
Pear Psylla: Mix ½-1 lb. per 100 gals. of water. Apply as a cover spray at pre-pink stage. Make 1 to 2 additional applications during the first and second cover sprays if necessary.
Tentiform Leaf Miners, Mealybugs: Mix 1 lb. per 100 gals. of water. Apply in 3 cover sprays beginning in April.
 Refer also to Apples and Pears above.
 Do not apply within 14 days of harvest.
Pecans - Aphids, Mites, Pecan Nut Casebearers, Walnut Caterpillars: Apply 2-6 lbs. per acre as a foliage spray. Do not apply after husks crack.
Pineapple - Pineapple Scales: Apply 10 lbs. Diazinon 50W plus 2 gals. of light or medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plant following harvest of the pineapple.
Pineapple Mealybugs: Apply 4 lbs. per acre. May be applied on day of harvest.
Pineapple Storage and refuse may be fed to livestock 7 days following last application.
Plums and Prunes - Peach Twig Borers, Mealy Plum Aphid eggs, San Jose Scales, Parlatoria Scales, Brown Almond Mites: Mix 1 lb. of Diazinon 50W plus 2½ gals. of dormant oil per 100 gals. of water. Apply as a dormant spray. For late April or May applications, mix 1 lb. of Diazinon 50W plus 1 gal. of light medium summer horticultural oil per 100 gals. of water.
Brown Mites (Clover Mites), European Red Mites: Apply 1 lb. in 100 gals. of water.
Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply ½-1 lb. per 100 gals. of water. Do not apply within 10 days of harvest.
Strawberries - Aphids, Two-spotted Spider Mites: Apply 1 lb. in 100 gals. of water per acre.
Cyclamen Mites: Apply 2 lbs. in 100 gals. of water per acre, directing spray to plant crowns.
 Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.
Mole Crickets: Broadcast 2 lbs. per acre when insects are present. Apply 1 to 2 days before transplanting and mix into the top 1-2 inches of soil immediately.
Strawberry Leaf Rollers: Mix ¾-1 lb. per 100 gals. of water. Apply 200 gals. spray per acre when blossoms show color.
 Do not apply within 5 days of harvest.
Walnuts - Aphids, Mites: Apply 2 lbs. per acre as a foliage spray.
Codling Moths, Scale Crawlers, Walnut Caterpillars: Apply 6 lbs. per acre.
 Do not apply after the husks open.
VEGETABLE FOLIAR INSECTS
 Diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the foliage.
Beans (Pole Beans, Snap Beans, Lima Beans) - Black Bear Aphids, Mexican Bean Beetles, Leaf Miners: Apply 1-1½ lbs. per acre.
Cucumber Beetles: Apply ½-¾ lbs. in 100 gals. of water per acre.
 Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.
Lima Beans - Dipterous Leaf Miners, Leafhoppers, Mites: Apply 1 lb. per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.
Broccoli, Cabbage, and Cauliflower - Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leaf Miners: Apply ½-1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days, of harvest.
Brussels Sprouts - Aphids, Diamondback Moths, Imported Cabbageworms: Apply 1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to brussels sprouts within 7 days of harvest.
Carrots - Aphids: Apply 1 lb. per acre. Do not apply within 10 days of harvest.
Celery - Aphids, Flea Beetles: Apply 1 lb. in 100 gals. of water per acre.
Dipterous Leaf Miners: Apply ½ to 1 lb. per acre in sufficient water to achieve thorough coverage when infestations first appear. Repeat as necessary.
 Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food.
Collards, Kale, Swiss Chard, and Turnip Tops - Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms: Apply ½-1 lb. per acre. Do not apply to collards, kale, or turnip tops within 10 days, or to Swiss Chard within 12 days of harvest.
Cucumbers - Aphids, Serpentine Leaf Miners, Thrips: Apply 1 lb. per acre. Do not apply within 7 days of harvest.
Lettuce and Endive - Aphids, Dipterous Leaf Miners: Apply ½-1 lb. per acre. Do not apply within 10 days of harvest.
Melons and Squash (Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these; Watermelons and their hybrids, Summer and Winter Squash) - Aphids, Leafhoppers, Mites: Apply 1-1½ lbs. per acre.
Serpentine Leaf Miners, Thrips: Apply ½-1 lb. per acre.
 Do not apply to melons or winter squash within 3 days, or to summer squash within 7 days of harvest.
Mushroom Houses - Mushroom Flies (Phorids and Sciadids): Mix 4-8 lbs. in 50 gals. of water (0.5% to 1.0% actual Diazinon) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning.
 To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix ½ lb. in 6 gals. of water and apply with a brush.



For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals

Active Ingredient:
 O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 50%
Inert Ingredients 50%
Total 100%

DIAZINON 50W IS A WETTABLE POWDER.

WARNING
Keep out of reach of children

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or household pets. Do not permit children or pets to go on to sprayed grass until spray has completely dried.
Fish and Wildlife Caution:
 This product is toxic to birds. This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. 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.

Work into the soil immediately, 2-3 inches.
Garden Symphylans (Centipedes) - C. Red Beets, Snap Beans, Tomatoes, Work into soil 4-8 inches immediately.
 sects such as cutworms (surface and Mole Crickets - Broccoli, Brussels Kale, Lettuce, Mustard, Peppers, Ra insects are present. Make applicatio transplanting, and work into soil 1-2 inches.
Onion Maggots - Onions: Furrow Ap the seed furrow at planting time.
 Broadcast Application: Broadcast 4 inches immediately.
Pea Maggots - Broccoli, Brussels Broadcast 4-6 lbs. per acre and mix in the seeded or in the field or before transplant water (Drench) Applicatio gals. of water are used per acre. Ma or by tractor-mounted sprayer equip Transplant water treatments may re: planting.
Radishes: Mix 2 lbs. in 50 gals. of linear feet of row) in the seed furrow.
Wireworms - Broccoli, Brussels, Collards, Cucumbers, Endive (escaro Peas, Peppers, Snap Beans, Spinac Tomatoes, Watermelons, Winter Squ into soil 4-8 inches immediately.
Potatoes: Broadcast 6-12 lbs. per ai inches.
Southern Potato Wireworms - Potat cast 4-8 lbs. per acre prior to plan location of wireworms.
FIELD AND FORAGE INSECTS
 Diazinon 50W should always be app age of the foliage or soil, depending.
Alfalfa and Clover - Spotted Alfai Plant Bug Nymphs, Mites: Apply ¼-1 Grasshoppers: Apply 1 lb. per acre. Cutworms (Surface and Subterranean the soil immediately, 2-3 inches for Dairy and beef cattle and sheep (1) fed green alfalfa or clover immediat or clover is not cut for hay for 7 day. Alfalfa Weevil Larvae: For control, growing tips becomes evident. Repr cut the hay and make application to 2 days. Do not cut for hay for 10 di. Do not spray livestock directly exc or ground equipment.
 Do not treat during bloom to avoid in Corn - Corn Rootworm Larvae: Plai 5 gals. of water at planting. Mak linear feet of corn row in a 4-7 inc refer to the row spacing chart for a Post-emergence basal treatment: A water to wet base of corn plant ar chart for amounts recommended per hill or cultivator immediately after rootworm larvae. Application shoul July in the Northern Corn Belt.
SUGGESTED RATES ACCORDI FOR CORN ROOTWORM LARV

Row spacing	Linear feet of corn row per acre
48"	10,890
42"	12,455
40"	13,068
38"	13,939
36"	14,250
30"	17,424
24"	21,780
20"	26,136
15"	34,848

100 gals. of water. Apply as a cover spray from petal fall to June. Do not apply through the foliage.

Blueberries - Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two-spotted Mites. Mix 1 lb. per 100 gals. of water. Apply up to 200 gals. of spray per acre or apply 2 lbs. per acre in sufficient water for thorough coverage. Do not apply within 7 days of harvest.

Cranberries - i.e. Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries - Leafhoppers, Thrips, Aphids, Two-spotted Mites, Raspberry Sawflies. Mix 1 lb. per 100 gals. of water and apply up to 200 gals. of spray per acre, or apply 2 lbs. per acre in sufficient water for thorough coverage.

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

Dryberry Mites: Mix 2 lbs. per 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.

Raspberry Crown Borers (Raspberry Root Borers): Mix 4 lbs. per 100 to 200 gals. of water and apply 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. Do not apply within 7 days of harvest.

Cherries - Brown Apricot Scales, San Jose Scales, Black Scales, Black Cherry Aphid eggs, Brown Mite eggs: Mix 1 1/4 lbs. of Diazinon 50W plus 3 gals. of dormant oil per 100 gals. of water. Apply as a dormant spray.

Eye-spotted Bud Moths; Fruit-tree Leaf Rollers: Mix 1 lb. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall.

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

Cherry Fruit Flies: Mix 1/2 lb. per 100 gals. of water. Make 3 or 4 applications beginning when adult flies begin to emerge and repeating at 10-day intervals.

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

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

Cherry Rust Mites: Mix 1/2 lb. per 100 gals. of water. Apply as a supplemental spray after harvest. Do not apply within 10 days of harvest.

Cranberries - Black-Headed Fireworms, Sparganothis sulfureana. Apply 4 lbs. in 400 gallons of water per acre.

Cranberry Fruitworms: Apply 6 lbs. in 400 gallons of water per acre. Do not apply within 7 days of harvest.

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

Filberts - Filbert Leaf Rollers, Aphids. Apply 2-4 lbs. in 250-400 gals. of water per acre, as a thorough cover spray.

Citrus Fruits - (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these) - Citrus Aphids, Cottony-Lushion Scale Crawlers, and Soft Scale Crawlers: Apply 1/2 lb. per 100 gals. of water (maximum 1000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruit Tree Leaf Rollers: Mix 1/2 lb. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus Thrips: Apply 1 lb. in 100 gals. of water (maximum 1000 gals. per acre) when thrips first appear.

Citrus Snow Scales: Apply 1-2 lbs. per 100 gals. of water (maximum 1000 gals. per acre) as a post-bloom spray and again as a summer spray. For heavy snow scale infestations use the higher dosage rate. Thorough coverage of tree trunk, limbs, and twigs is essential. Do not apply during bloom. Do not apply to citrus within 21 days of harvest.

Grapes - Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders: Mix 1 lb. per 100 gals. of water and apply as a thorough cover spray, or apply 2 lbs. per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest.

Drosophila spp.: Mix 6 oz. per 100 gals. of water and apply as a thorough cover spray, or apply a maximum of 18 oz. 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. If a spreader-sticker is used, do not apply within 18 days of harvest.

Olives - Olive Scales: Mix 1/2 lb. of Diazinon 50W plus 1 1/2 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 and Nectarines - San Jose Scales, Brown Apricot Scales, Walnut Scales, Apricot Mealybugs: Mix 1 lb. of Diazinon 50W plus 2 gals. of dormant oil per 100 gals. of water. Apply as a dormant spray.

Peach Twig Borers; Parlatoria Scales: Mix 1 lb. Diazinon 50W plus 1 gal. of light medium summer horticultural oil per 100 gals. of water. Apply at petal fall.

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

Olive Scale Crawlers: Mix 1/2 lb. of Diazinon 50W plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Oriental Fruit Moths: Mix 1 lb. per 100 gals. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult Oriental Moth flight, if possible.

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

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

Whitefly (Peaches only): As a post-harvest spray apply 1 1/2 lbs. per 100 gallons of

VEGETABLE FOLIAGE INSECTS
Diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the foliage.

Beans (Pole Beans, Snap Beans, Lima Beans) - Black Bear Aphids, Mexican Bean Beetles, Leaf Miners: Apply 1-1 1/2 lbs. per acre.
Cucumber Beetles: Apply 1/2-3/4 lbs. in 100 gals. of water per acre.
Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Lima Beans - Dipterous Leaf Miners, Leafhoppers, Mites: Apply 1 lb. per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Broccoli, Cabbage, and Cauliflower - Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leaf Miners: Apply 1/2-1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days, of harvest.

Brussels Sprouts - Aphids, Diamondback Moths, Imported Cabbageworms: Apply 1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to brussels sprouts within 7 days of harvest.

Carrots - Aphids: Apply 1 lb. per acre. Do not apply within 10 days of harvest.

Celery - Aphids, Flea Beetles: Apply 1 lb. in 100 gals. of water per acre.

Dipterous Leaf Miners: Apply 1/2 to 1 lb. per acre in sufficient water to achieve thorough coverage when infestations first appear. Repeat as necessary.
Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food.

Collards, Kale, Swiss Chard, and Turnip Tops - Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms: Apply 1/2-1 lb. per acre. Do not apply to collards, kale, or turnip tops within 10 days, or to Swiss Chard within 12 days of harvest.

Cucumbers - Aphids, Serpentine Leaf Miners, Thrips: Apply 1 lb. per acre. Do not apply within 7 days of harvest.

Lettuce and Endive - Aphids, Dipterous Leaf Miners: Apply 1/2-1 lb. per acre. Do not apply within 10 days of harvest.

Melons and Squash (Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these, Watermelons and their hybrids; Summer and Winter Squash) - Aphids, Leafhoppers, Mites: Apply 1-1 1/2 lbs. per acre.
Serpentine Leaf Miners, Thrips: Apply 1/2-1 lb. per acre.
Do not apply to melons or winter squash within 3 days, or to summer squash within 7 days of harvest.

Mushroom Houses - Mushroom Flies (Phorids and Sciariids): Mix 4-8 lbs. in 50 gals. of water (0.5% to 1.0% actual Diazinon) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning.
To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix 1/2 lb. in 6 gals. of water and apply with a brush.
Do not treat compost.

Onions - Onion Thrips: Apply 1 lb. per acre. Do not apply within 10 days of harvest.

Peas - Aphids, Leaf Miners: Apply 1/2-1 lb. 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 Leaf Miners: Apply 1/2 lb. per acre. Do not apply within 5 days of harvest.

Potatoes - Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners: Apply 1/2-3/4 lb. per acre.
Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply 1/2-1 lb. per acre. Do not apply within 35 days of harvest.

Radishes, Parsnips, and Turnips - Aphids, Flea Beetles, Dipterous Leaf Miners: Apply 1/2-1 lb. per acre. Do not apply within 10 days of harvest.

Spinach and Beets - Aphids, Dipterous Leaf Miners: Apply 1/2-1 lb. per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest.

Squash (Summer and Winter) - See Melons and Squash above.

Sweet Corn - Corn Earworms: Apply 2-2 1/2 lbs. 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. Corn forage may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage Insects.

Tomatoes - Aphids, Dipterous Leaf Miners: Apply 1/2 lb. per acre. To control leaf miners, weekly applications are usually required.
Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms: Apply 1/2-1 lb. per acre.
Vinegar Flies (Drosophila spp.): Apply 1/2-1 1/2 lbs. per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

Watercress (Hawaii Only) - Cyclamen Mites: Apply 1 lb. in 100 gals. of water per acre. Direct spray to crowns and growing tips of plants. If infestation is heavy, make a second application no later than 10 days after the first application. Repeat applications as necessary. Do not apply within 5 days of harvest.

VEGETABLE SOIL INSECTS
Diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the soil.

Carrot Rust Flies - Carrots: Apply 4 lbs. per acre as a drench to the seed furrow at planting time.

Cutworms (Surface and Subterranean) - Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers, Endive (escarole), Kale, Lettuce, Lima Beans, Muskmelons, Parsnips, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, Watermelons, Winter Squash - Broadcast 4-8 lbs. per acre just prior to planting.

Active Ingredient:
O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 50%
Inert Ingredients 50%
Total 100%

DIAZINON 50W IS A WETTABLE POWDER.

WARNING
Keep out of reach of children

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

Fish and Wildlife Caution:
This product is toxic to birds. This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. 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.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not reuse container. Destroy it by burying or burning. Avoid smoke or fumes.

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY --
IMPORTANT: Read the entire Directions For Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND WARRANTY --
The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Prentiss or the Seller. All such risks shall be assumed by the Buyer.

Prentiss warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions For Use, subject to the inherent risks referred to above. Prentiss makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Prentiss or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Prentiss and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions Of Sale And Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Prentiss.

© Trademark of
CIBA-GEIGY CORP.



E.P.A. REG. #655-456

Alfalfa and Clover - Spotted Alfalfa Plant Bug Nymphs, Mites: Apply 1/2 lb. per acre.
Grasshoppers: Apply 1 lb. per acre.
Cutworms (Surface and Subterranean): Apply 1 lb. per acre. Do not apply within 2-3 inches to Dairy and beef cattle and sheep (if fed green alfalfa or clover immediately after application) or clover is not cut for hay for 7 days.
Alfalfa Weevil Larvae: For control growing tips becomes evident. Re-cut the hay and make application 1-2 days. Do not cut for hay for 10 days. Do not spray livestock directly on or ground equipment.
Do not treat during bloom to avoid injury to bees.

Corn - Corn Rootworm Larvae: Mix 1 lb. per 100 gals. of water at planting. Make linear feet of corn row in a 4-7 in. refer to the row spacing chart for: Post-emergence basal treatment: A water to wet base of corn plant a chart for amounts recommended per tiller or cultivator immediately after rootworm larvae. Application should be made in the Northern Corn Belt.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE

Row spacing	Linear feet of corn row/acre
48"	10,890
42"	12,455
40"	13,068
38"	13,939
36"	14,250
30"	17,424
24"	21,780
20"	26,136
15"	34,848

NOTE: For row spacing not based on the 40-inch spacing.

Seed Co. - Maggots: Broadcast 4-8 lbs. immediately after planting.

Cutworms (Surface and Subterranean): Apply 1 lb. per acre prior to planting or when larvae first appear. Do not apply later than layby. For subterranean cutworms apply later than layby. For subterranean cutworms apply later than layby. For subterranean cutworms apply later than layby.

Wireworms: Apply 6-8 lbs. per acre.

Corn Rootworm Adults: Apply 1/2-1 lb. per acre.

Corn Leaf Aphids: Apply 1-2 lbs. per acre.

Grasshoppers: Apply 1 lb. per acre.

Sap Beetles: Apply 2-2 1/2 lbs. per acre.

Corn: May be picked immediately after application to beef cattle and sheep.

Cotton - Spider Mites, Aphids, Leafhoppers: Apply 1-2 lbs. in 5-25 gals. of water. Do not apply within 14 days of harvest.

Cowpeas - Cutworms (Surface and Subterranean): Work into the soil immediately after planting.

Hops - Aphids, Mites: Apply 2 lbs. per acre.

Lespedeza - Cutworms (Surface and Subterranean): Work into the soil immediately after planting.

Peanuts - Cutworms: Apply 4 lbs. per acre to achieve thorough coverage. Begin applications at three-week intervals after harvest.

Note: Livestock (1) may be fed per cent, and (3) may be fed peanut hulls.

Sorghum - Sorghum Midges: Apply 1 lb. per acre. Repeat application within 4 days. Crop may be fed to livestock in harvesting for grain.

ENTISS PEST-TESTED PRODUCT



DIAZINON 50W Insecticide

For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals

Active Ingredient:

O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 50%
 Inert Ingredients 50%
 Total 100%

DIAZINON 50W IS A WETTABLE POWDER.

WARNING
 Keep out of reach of children

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

Fish and Wildlife Caution:
 This product is toxic to birds. This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. 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.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from the manufacturer.

Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Garden Symbiotes (Cutworms) - Cabbage, Carrots, Corn, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips - Broadcast 20 lbs. per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

Mole Crickets - Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive (escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes, Turnips - Broadcast 2 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting, and work into soil 1-2 inches immediately.

Onion Maggots - Onions: Furrow Application: Apply 2 lbs. per acre in sufficient water to drench the seed furrow at planting time. Broadcast Application: Broadcast 4-8 lbs. per acre just prior to planting. Work into soil 3-4 inches immediately.

Root Maggots - Broccoli, Brussels Sprouts, Cabbage, and Cauliflower: Broadcast Application: Broadcast 4-6 lbs. per acre and immediately work into the soil 3-4 inches before seeding, either in the seeded or in the field or before transplanting. Transplant Water (Drench) Application: Mix 1/2 lb in 50 gals. of transplant water, when 200-300 gals. of water are used per acre. May be applied at the rate of 1/2-1 cupful per plant, either by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.

Radishes: Mix 2 lbs. in 50 gals. of water. Apply 80-100 gals. per acre (1-1 1/3 gals. per 1,000 linear feet of row) in the seed furrow at planting time.

Wireworms - Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (escarole), Kale, Lettuce, Lima Beans, Muskmelons, Onions, Parsley, Peas, Peppers, Snap Beans, Spinach, Summer Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Watermelons, Winter Squash - Broadcast 6-8 lbs. per acre prior to planting, and work into soil 4-8 inches immediately.

Potatoes: Broadcast 6-12 lbs. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

Southern Potato Wireworms - Potatoes (Southeastern U.S.): For potatoes on mineral soils, broadcast 4-8 lbs. per acre prior to planting and immediately work into soil 3-6 inches depending on location of wireworms.

FIELD AND FORAGE INSECTS
 Diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

Alfalfa and Clover - Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply 1/2-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre
Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms. Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa Weevil Larvae: For control in the spring, apply 2-3 lbs. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 2 days. Do not cut for hay for 10 days following treatment. Do not spray livestock directly except as directed below under Livestock Insects with either air or ground equipment.

Do not treat during bloom to avoid injury to pollinating insects.

Corn - Corn Rootworm Larvae: Planting time application: Apply 2-4 lbs. per acre in a minimum of 5 gals. of water at planting. Make application in the seed furrow or apply 2 1/2-5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For band applications refer to the row spacing chart for amounts recommended per acre.

Post-emergence basal treatment: Apply 1 1/4-2 1/2 oz. per 1,000 linear feet of corn row in sufficient water to wet base of corn plant and narrow band of soil next to the plant. Refer to row spacing chart for amounts recommended per acre. Cover treated band with 2-3 inches of soil using a disk tiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae. Application should not be made later than June 24 in the Middle Corn Belt or July in the Northern Corn Belt.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

Row spacing	Linear feet of corn row per acre	Amount of Diazinon 50W per acre	
		Planting time application	Post-emergence basal treatment
48"	10,890	28-56 oz.	14-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,068	32-64 oz.	16-32 oz.
		(2-4 lbs.)	(1-2 lbs.)
38"	13,939	35-70 oz.	17.5-35 oz.
36"	14,250	36-72 oz.	18-36 oz.
30"	17,424	44-88 oz.	22-44 oz.
		(2 1/2-5 1/2 lbs.)	(1 1/4-2 1/2 lbs.)
24"	21,780	55-110 oz.	27.5-55 oz.
20"	26,136	64-128 oz.	32-64 oz.
		(4-8 lbs.)	(2-4 lbs.)
18"	34,848	88-176 oz.	44-88 oz.

NOTE: For row spacing not listed, calculate the appropriate dosage rates.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Soybeans - Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Sugar Beets - Leafhoppers, Dipterous Leaf Miners, Aphids: Apply 1/2-1 lb. per acre. Grasshoppers: Apply 1 lb. per acre.

Wireworms: Broadcast 6-8 lbs. per acre just prior to planting, and work into soil 4-8 inches immediately. Tops may be fed to beef and dairy animals.

Sugarcane - Aphids: Apply 1/2-1 lb. per acre. Note: Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

Wireworms: Apply 8 lbs. per acre in a 12-inch band centered over the furrow in sufficient water to obtain thorough coverage. Make application directly to seed pieces in open furrow at covering time.

Peas - Aphids, Flea Beetles: Apply 1/2-1 lb. per acre. Do not apply within 3 days of harvest.

Cutworms: Broadcast 4-6 lbs. per acre before transplanting and work immediately into the soil 2-4 inches.

Green June Beetle Larvae: Mix 1/4 lb. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yd.) to uprooted areas of plant beds with sprinkling can.

Mole Crickets: Broadcast 2 lbs. per acre, when insects are present. Make application to beds or fields 1-2 days prior to sowing of seed or transplanting, and work into soil 1-2 inches immediately.

Seed-corn Maggots: Broadcast Application: Broadcast 3 lbs. per acre, 3-4 weeks before transplanting. Work into soil 2 inches immediately.

Transplant Water Application: Mix 1 1/2-3 oz. in 50 gals. of transplant water.

Wireworms: Broadcast Application: Broadcast 4-6 lbs. per acre, 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

Transplant Water Application: Mix 1 1/2-3 oz. in 50 gals. transplant water.

RANGE, PASTURE, AND GRASSLAND INSECTS

Bermudagrass - Thrips, Whiteflies, Grasshoppers: Apply 1 lb. per acre.

Range Pasture, Grass, Forage, Ditch Banks, Roadsides, Wasteland, Noncrop Areas, and Barrier Strips - Grasshoppers: Apply 1/2-1 lb. per acre in sufficient water or oil to obtain thorough coverage when insects first appear, preferably in the nymphal stage. Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) may be fed hay provided grass is not cut for hay for 21 days if the spray is a water solution, or for 30 days if the spray is an oil solution. Do not spray livestock directly except as directed below under Livestock Insects with either air or ground equipment. Do not repeat for 30 days.

LIVESTOCK INSECTS

Sheep "Ticks" (Keds), Lice - High gallonage, high pressure spray: Mix 1/2 lb. in 100 gals. of water, and apply at rate of 1 gal. per animal.

Low gallonage, low pressure spray: Mix 1 lb. in 100 gals. of water. Apply at rate of 1 qt. per animal.

Sprinkler Can: Mix 1 oz. in 6 gals. of water. Crowd sheep into a small pen and sprinkle 1 qt. of this mixture over the head, neck, top, and side of each sheep. Stir or agitate mixture frequently. Note: Do not slaughter sheep within 14 days after treatment. Repeat applications as necessary.

ORNAMENTAL INSECTS

To control certain insects on ornamentals such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Camation, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below:

Insects	Amount Diazinon 50W to use	
	per 3 gals. water	per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cotton-cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Mites, Webworms, Whiteflies.	1/2 oz.	1 lb.
Apple and Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Ublique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars.	1 1/2 oz.	3 lbs.

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Mimosa Webworms: Mix 1/2 oz. in 3 gals. of water (or 1 lb. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

LAWN INSECTS

To control insects listed below, apply recommended rates. For insects such as Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails), which are commonly found near the house and may enter the house, spray a 5 ft. band of soil around the house as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

activity. Under conditions of heavy
 thin 10 days, of harvest.
 Brown Apricot Scales: Mix 1 lb. of
 water. Apply as a dormant spray.
 a cover spray at pre-pink stage. Make
 over sprays if necessary
 of water. Apply in 3 cover sprays
 caterpillars: Apply 2-6 lbs. per acre as
 plus 2 gals. of light or medium hort-
 e slips on the plant following harvest
 on day of harvest
 following last application
 id eggs, San Jose Scales, Parlatioria
 2 1/2 gals. of dormant oil per 100 gals.
 applications, mix 1 lb. of Diazinon 50W
 gals. of water.
 b. in 100 gals. of water.
 c. Apply 1/2-1 lb. per 100 gals. of water
 b. in 100 gals. of water per acre
 acre, directing spray to plant crowns
 coverage of the foliage. Make additional
 present. Apply 1 to 2 days before trans-
 Apply 200 gals. spray per acre when
 spray.
 lbs. per acre
 sufficient water to assure thorough cover-
 Bear, Aphids, Mexican Bean Beetles.
 acre.
 bean hay may be fed to dairy and beef
 is to be cut for hay
 Apply 1 lb. per acre. Do not apply
 may be fed to dairy and beef cattle and
 it for hay.
 back Moths, Imported Cabbageworms,
 at 7-10 day intervals will usually be
 days, or to cabbage within 7 days, of
 Cabbageworms: Apply 1 lb. per acre
 ed. Do not apply to brussels sprouts
 10 days of harvest
 water per acre
 nt water to achieve thorough coverage
 market trimmed (tops removed) before
 food.
 Imported Cabbageworms, Diamondback
 lb. per acre. Do not apply to collards.
 n 12 days of harvest.
 ly 1 lb. per acre. Do not apply within
 y 1/2-1 lb. per acre. Do not apply within
 s, Honeydew Melons, Muskmelons,
 and their hybrids; Summer and Winter
 Squash
 summer squash within 7 days of harvest.
 s): Mix 4-8 lbs. in 50 gals. of water
 side walls and ventilators of mushroom
 ating. Do not spray compost in beds or
 times after pasteurizing, mix 1/2 lb. in 6

vegetables, field crops, and ornamentals'

Active Ingredient:

O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 50%

Inert Ingredients 50%

Total 100%

DIAZINON 50W IS A WETTABLE POWDER.

WARNING
Keep out of reach of children

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

Fish and Wildlife Caution:
This product is toxic to birds. This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. 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.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not reuse container. Destroy it by burying or burning. Avoid smoke or fumes.

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY - IMPORTANT: Read the entire Directions For Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND WARRANTY -

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Prentiss or the Seller. All such risks shall be assumed by the Buyer. Prentiss warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions For Use, subject to the inherent risks referred to above. Prentiss makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Prentiss or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Prentiss and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale And Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Prentiss.

© Trademark of
CIBA-GEIGY CORP.



E.P.A. REG. #655-456

Diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

Alfalfa and Clover - Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply 1/2-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa Weevil Larvae: For control in the spring, apply 2-3 lbs. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 2 days. Do not cut for hay for 10 days following treatment.

Do not spray livestock directly except as directed below under Livestock Insects with either air or ground equipment.

Do not treat during bloom to avoid injury to pollinating insects.

Corn - Corn Rootworm Larvae: Planting time application: Apply 2-4 lbs. per acre in a minimum of 3 gals. of water at planting. Make application in the seed furrow or apply 2 1/2-5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For band applications refer to the row spacing chart for amounts recommended per acre.

Post-emergence basal treatment: Apply 1 1/2-2 1/2 oz. per 1,000 linear feet of corn row in sufficient water to wet base of corn plant and narrow band of soil next to the plant. Refer to row spacing chart for amounts recommended per acre. Cover treated band with 2-3 inches of soil using a disk hiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae. Application should not be made later than June 24 in the Middle Corn Belt or July in the Northern Corn Belt.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

Row spacing	Linear feet of corn row/acre	Amount of Diazinon 50W per acre	
		Planting time application	Post-emergence basal treatment
48"	10,890	28-56 oz.	14-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,068	32-64 oz.	16-32 oz.
		(2-4 lbs.)	(1-2 lbs.)
38"	13,939	35-70 oz.	17.5-35 oz.
36"	14,250	36-72 oz.	18-36 oz.
30"	17,424	44-88 oz.	22-44 oz.
		(2 1/4-5 1/2 lbs.)	(1 1/2-2 1/4 lbs.)
24"	21,780	55-110 oz.	27.5-55 oz.
20"	26,136	64-128 oz.	32-64 oz.
		(4-8 lbs.)	(2-4 lbs.)
15"	34,848	88-176 oz.	44-88 oz.

NOTE: For row spacing not listed, calculate the appropriate dosage rates based on the 40-inch row figures.

Seed Corn Maggots: Broadcast 4-8 lbs. per acre just prior to planting. Work into soil 2 inches immediately.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 1-2 inches immediately. Do not apply later than layby. For subterranean cutworms, apply just prior to planting and work into soil 3-6 inches immediately.

Wireworms: Apply 6-8 lbs. per acre prior to planting, and work into the soil 4-8 inches immediately.

Corn Rootworm Adults: Apply 1/2-1 lb. per acre.

Corn Leaf Aphids: Apply 1-2 lbs. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary.

Grasshoppers: Apply 1 lb. per acre.

Sap Beetles: Apply 2-2 1/2 lbs. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Cotton - Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworms, Cotton Leaf Perforators: Apply 1-2 lbs. in 5-25 gals. of water per acre. Repeat as infestation warrants.

Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed gin waste to livestock.

Compeas - Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre, just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Hops - Aphids, Mites: Apply 2 lbs. per acre. Do not apply within 14 days of harvest.

Lespedeza - Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Peanuts - Cutworms: Apply 4 lbs. per acre in a 12-inch band over the row. Use sufficient water to achieve thorough coverage. Begin application when small larvae appear. Two or three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest.

Note: Livestock (1) may be fed peanut hulls, (2) may be fed peanut forage 7 days following treatment, and (3) may be fed peanut hay 21 days following treatment.

Sorghum - Sorghum Midges: Apply 1/2-1 lb. per acre when 90% of the heads have emerged from the boot. Repeat application within 4 days.

Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

or ground equipment. Do not repeat for 30 days.

LIVESTOCK INSECTS

Sheep "Ticks" (Keds), Lice - High gallonage, high pressure spray: Mix 1/2 lb. in 100 gals. of water, and apply at rate of 1 gal. per animal.

Low gallonage, low pressure spray: Mix 1 lb. in 100 gals. of water. Apply at rate of 1 qt. per animal.

Sprinkler Can: Mix 1 oz. in 6 gals. of water. Crowd sheep into a small pen and sprinkle 1 qt. of this mixture over the head, neck, top, and side of each sheep. Stir or agitate mixture frequently. Note: Do not slaughter sheep within 14 days after treatment. Repeat applications as necessary.

ORNAMENTAL INSECTS

To control certain insects on ornamentals such as Aborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

Insects	Amount Diazinon 50W to use	
	per 3 gals. water	per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Diphtherous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers: (Cotton-cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Mites, Webworms, Whiteflies.	1/2 oz.	1 lb.
Apple and Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars.	1 1/2 oz.	3 lbs.

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Mimosa Webworms: Mix 1/2 oz. in 3 gals. of water (1 lb. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

LAWN INSECTS

To control insects listed below, apply recommended rates. For insects such as Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails), which are commonly found near the house and may enter the house, spray a 5 ft. band of soil around the house as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

Insects	Rate/1,000 sq. ft.		Remarks
	Diazinon 50W	water	
Lawn Chinch Bugs	2-3 oz. or 3-6 oz.	25* gals.	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs.	4 oz.	3 gals.	For lawn billbugs, irrigate the lawn thoroughly immediately after treatment.
			For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers, Ticks	1 1/2 oz.	3 gals.	Do not apply to animals.
			For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	8 oz.	3 gals.	
Rhodes-grass Scales	5 oz.	25* gals.	Apply when crawlers first emerge.

* Alternatively, make applications in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application.

Bryaster Fleas: Spray bugs outside the home with 1 1/2 oz. in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

NOTE: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches and nectarines. Five days should lapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphate pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

NET WEIGHT 50 LBS.