

Diazinon[®]

Insecticide AG 500

SAMPLE LABEL

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

Active Ingredients: 84%
O,O-diethyl O-(2-isopropyl-
6-methyl-4-pyrimidinyl)
phosphorothioate . 48%
Xylene 36%

Inert Ingredients: 16%
Total: 100%

Diazinon AG500 contains
4 lbs. Diazinon per gallon.

Warning:

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

Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go on to sprayed grass until spray has completely dried.

Fish and Wildlife Caution:
This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from areas treated or where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of waste. 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 empty container. Destroy by perforation or crushing and burying in a safe place.

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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY 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 CIBA-GEIGY.

CAUTION: INFLAMMABLE MIXTURE

Do not use, pour, spill or store near heat or open flame.

N.Y.F.D. C. of A. No. 4295

11-72

CGA 130-120

ACCEPTED
SEP 12 1973
BY THE FEDERAL INSECTicide
AND RODENTICIDE ACT
SECTION 109(a)(1) (B) (1) (2)
R. NO. 100-461
SUBJECT
THE FOLLOWING COMMENTS.

100-461

CIBA-GEIGY

EPA Reg. No. 100-461 AA

Diazinon® AG500

General Information

Diazinon AG500 is an emulsifiable solution which when diluted with water according to the directions below is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

In the directions for use given below, best control is obtained when application is made at first sign of insects. Application should be repeated as necessary to maintain control.

NOTE: The California Department of Agriculture has set a 5-day re-entry 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 shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

Fruit and Nut Crops

NOTE: Unless otherwise stated, the rates listed below should be applied as a dilute full cover spray.

Almonds

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

Parlatoria Scales, San Jose Scales: Mix 1-1½ pts. Diazinon 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), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals.

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crawlers first appe...

Olive Scale Crawlers: Mix 1/2 pt. Diazinon AG 500 plus 1 1/2 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, Two-Spotted 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, Two-Spotted 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

Eye-Spotted Bud Moths, Fruit-Tree Leaf Rollers: Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall.

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.

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.

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, Fruit-Tree Leaf Rollers, Cottony-Cushion Scale Crawlers, and Soft Scale Crawlers: Apply ½-1 pt. 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: Use ½-1 pt. 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.

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

Citrus Snow Scales: Apply 1-2 pts. 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 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

Black Headed Fireworms (*Spar-ganothis sultureana*): 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 Leaf Rollers, 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, Grape Leaf Folders: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

***Drosophila spp.*:** Apply 12-18 fl. oz. per acre in a minimum of 100 gals.

of water as a thorough cover spray, or apply when insects first appear. Make additional applications at weekly intervals as necessary.

Do not apply within 7 days of harvest.

Olives

Olive Scales: Mix ¾-1 pt. of Diazinon AG500 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 and Nectarines

Aphids, Brown Mites (Clover Mites), Two-Spotted 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 AG500 plus 1½ gals. light 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 10-15 day intervals. Time the last application to peak adult oriental fruit moth flight, if possible.

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

Leafhoppers (Peaches only): 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.

White Peach Scale (Peaches only): As a post-harvest spray ap-

ply 1½-2 pts. per 100 gals. of 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.

Pecans

Aphids, Mites, Pecan Nut Case-bearers, Walnut Caterpillars: Apply 1-3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after husks crack.

Pineapples

Scales: Apply 5 qts. of Diazinon AG500 plus 2 gals. of light or medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plants following harvest of pineapple.

Mealybugs: Apply 2 qts. per acre in a minimum of 100 gals. of water. May be applied on day of harvest. Pineapple forage and refuse may be fed to livestock 7 days following last application.

Plums and Prunes

Brown Mites (Clover Mites), European Red Mites: Apply 1 pt. per 100 gals. of water.

Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply ½-1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

Strawberries

Aphids, Two-Spotted Spider Mites: Apply 1 pt. per 100 gals. of water per acre.

Cyclamen Mites: Apply 1 qt. per 100 gals. of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the

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foliage. Make additional applications, if necessary, after harvest.

Mole Crickets: Broadcast 1 qt. 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 pt. per 100 gals. of water. Apply 200 gals. of spray per acre when blossoms show color.

Do not apply within 5 days of harvest.

Walnuts
Aphids Mites: Apply 1 qt. per acre as a foliage spray in a minimum of 100 gals. of water.

Codling Moths, Scale Crawlers, Walnut Caterpillars: Apply 3 qts. per acre as a foliage spray in a minimum of 100 gals. of water.

Do not apply after the husks open.

Vegetable Foliar Insects

Unless otherwise stated, foliar applications of Diazinon AG500 should always be applied to vegetable crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

Beans
Pole Beans, Snap Beans, Lima Beans
Black Bean Aphids, Mexican Bean Beetles, Leaf Miners: Apply 1-1½ pts. per acre.

Cucumber Beetles: Apply ¾ pt. in 100 gallons 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 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 if forage is to be cut for hay.

Broccoli, Cabbage and Cauliflower

Aphids, Diamondback Moths, Imported Cabbageworms: Apply ½-1 pt. 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 pt. per acre. Generally, applications at 7-10 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 Bettles: Apply 1 pt. in 100 gals. of water per acre. 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: Apply ½-1 pt. per acre. Do not apply to collards, kale, or turnip tops within 10 days. Swiss Chard within 12 days, of harvest.

Cucumbers

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

Lettuce and Endive

Aphids, Dipterous Leaf Miners: Apply ½-1 pt. 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 pts. per acre.

Serpentine Leaf Miners, Thrips: Apply ½-1 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 Sciarids): Mix ½-1 gal. 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 pt. in 6 gals. 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, Leaf Miners: Apply ¾-1 pt. per acre. Peas may be picked immediately. Pea vines and pea vine

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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 ½ pt. per acre. Do not apply within 5 days of harvest.

Potatoes

Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners: Apply at the rate of ½-¾ pt. per acre.

Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply ¾-1 pt. per acre.

Do not apply within 35 days of harvest.

Radishes, Parsnips, and Turnips

Aphids, Flea Beetles, Dipterous Leaf Miners: Apply ½-1 pt. per acre. Do not apply within 10 days of harvest.

Spinach and Beets

Aphids, Dipterous Leaf Miners: Apply ½-1 pt. 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 Section.

Sweet Corn

Corn Earworms: Apply 1-1¼ qts. 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 Foliar Insects and Field and Forage Soil Insects.

Tomatoes

Aphids, Dipterous Leaf Miners:

Apply ½ pt. per acre. To control leaf miners weekly applications are usually required.

Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms: Apply ¾-1 pt. per acre.

Vinegar Flies (*Drosophila* spp.): Apply ½-1½ pts. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

Watercress (Hawaii only)

Cyclamen Mites: Mix 1 pt. per 100 gals. of water and apply to one acre as a thorough cover spray. Spray should be directed into the 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

Unless otherwise stated, soil applications of Diazinon AG500 should always be applied to vegetable crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

Cutworms (Surface and Subterranean)

Broccoli	Muskmelons
Brussels	Parsley
Sprouts	Peas
Cabbage	Peppers
Cantaloupes	Potatoes
Cauliflower	Snap Beans
Celery	Spinach
Collards	Summer Squash
Cucumbers	Sweet Corn
Endive	Swiss Chard
(escarole)	Tomatoes
Kale	Watermelons
Lettuce	Winter Squash
Lima Beans	

Broadcast 2-4 qts. per acre just

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

Garden Symphylans (Centipedes)

Cabbage	Radishes
Carrots	Red Beets
Corn	Snap Beans
Lettuce	Tomatoes
Peas	Turnips
Pole Beans	

Broadcast 10 qts. 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	Kale
Brussels	Lettuce
Sprouts	Mustard
Cabbage	Peppers
Cauliflower	Radishes
Collards	Tomatoes
Endive	Turnips
(escarole)	

Broadcast 1 qt. per acre when insects are present. Make application to plant beds or field 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches immediately.

Onion Maggots

Onions: Furrow Application: Apply 1 qt. per acre in sufficient water to drench the seed furrow at planting time.

Broadcast Application: Broadcast 2-4 qts. per acre just prior to planting. Work into soil 3-4 inches immediately.

Root Maggots

Broccoli, Brussels Sprouts, Cabbage, and Cauliflower:

Broadcast Application: Broadcast 2-3 qts. per acre and immediately

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work into the soil 3-4 inches, before seeding, either in the seedbed or in the field, or before transplanting.

Transplant Water (Drench) Application: Mix 1/4-1/2 pt. 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 1 qt. in 50 gals. of water. Apply 80-100 gals. per acre (1-1 1/2 gals. per 1,000 linear feet of row) in the seed furrow at planting time

Wireworms	
Broccoli	Muskmelons
Brussels	Onions
Sprouts	Parsley
Cabbage	Peas
Cantaloupes	Peppers
Carrots	Potatoes
Cauliflower	Snap Beans
Celery	Spinach
Collards	Summer Squash
Cucumbers	Sweet Corn
Endive	Sweet Potatoes
(escarole)	Swiss Chard
Kale	Tomatoes
Lettuce	Watermelons
Lima Beans	Winter Squash

Broadcast 3-4 qts. per acre prior to planting, and work into soil 4-8 inches immediately

Potatoes
Wireworms. Broadcast 3-6 qts. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches

Southern Potatoes. Wireworms (Southeastern U.S.) For use to control southern potato wire-

worms in potatoes grown on mineral soils in the Southeast, apply 2-4 qts. per acre as a soil treatment prior to planting, and immediately mixed thoroughly by disking, or other suitable means into the top 3-6 inches of soil, depending on location of wireworms.

Field and Forage Foliar Insects

Unless otherwise stated, foliar applications of Diazinon AG500 should always be applied to field and forage crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

Alfalfa and Clover
Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply 1/4-1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

Following the above applications, 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 qts. 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 with either air or ground equipment. Do not treat during bloom to avoid injury to pollinating insects.

Clover
Striped Ground Crickets: Broadcast 1-2 pts. per acre following seeding in the fall but prior to clover emergence.

Corn
Use a minimum of 1 gal. of water for aerial applications and 5 gals. of water for ground applications.

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

Corn Leaf Aphids: Apply 1-2 pts. per acre. Complete coverage of the upper portions of the plants is essential. Repeat applications as necessary.

Mites: Apply 1 pt. per acre when infestations first appear. Repeat applications as necessary.

Grasshoppers: Apply 1 pt. per acre.

Sap Beetles: Apply 2-2 1/2 pts. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult State Agricultural Experiment Stations or State Extension Service Specialists 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 → **Bug**
Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworms, Cotton Leaf Perforators: Apply 1-2 pts. 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

Hops
Aphids, Mites: Apply 1 qt. per acre. Do not apply within 14 days of harvest.

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Sorghum
Use a minimum of 1 gal. of water for aerial applications and 5 gals. of water for ground applications.

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

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

Greenbug: Apply at the rates indicated below when infestation first appears and repeat as necessary.

Texas and Oklahoma—Apply 1/2-1 pt. per acre.
All Other Areas—Apply 1 pt. per acre.

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

Sugar Beets
Beet Leafhoppers, Dipterous Leaf Miners, Aphids: Apply 1/4-1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

Note: Tops may be fed to beef and dairy animals

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

Tobacco
Aphids, Flea Beetles: Apply 1/2-3/4 pt. per acre. Do not apply within 3 days of harvest.

Grasshoppers: Apply 1 pt. per acre. Do not apply within 14 days of harvest

Field and Forage Soil Insects

Unless otherwise stated, soil applications of Diazinon AG500 should always be applied to field and forage crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

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

Corn
Corn Rootworm Larvae

Band Application at Planting Time: Apply 1-2 qts. per acre. 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 treatment refer to the row spacing chart for amounts recommended per acre.

Suggested Rates According to Row Spacing For Corn Rootworm Larvae Control

Row spacing	Linear feet of Corn row' acre	Rate 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
		(1-2 qts.)	(1-1 qt.)
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
24"	21,780	55.110 oz	27.5-55 oz
20"	26,136	64.128 oz	32-64 oz
		(2.4 qts.)	(1.2 qts.)
15"	34,848	88.176 oz	44-88 oz

NOTE: For row spacings not listed, calculate the appropriate dosage based on the 40-inch row figure

Postemergence Basal Treatment: Apply 1 1/4-2 1/2 oz. per 1,000 linear feet of corn row in sufficient water to thoroughly wet base of corn

plant and a narrow band of soil next to the plant. Refer to the 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, but not later than June 24 in the Middle Corn Belt, or July 1 in the Northern Corn Belt.

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

Cutworms (Surface and Subterranean): Broadcast 2-4 qts. 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 3-4 qts. per acre prior to planting and work into the soil 4-8 inches immediately.

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

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

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

Flea Beetles: Apply 1 pint per acre when insects first appear. Repeat applications as necessary.

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Peanuts

Cutworms: Apply 2 qts. per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. 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.

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

Cutworms (Surface and Subterranean): Broadcast 2-4 qts. 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 2-4 qts. 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

Wireworms: Broadcast 3-4 qts. per acre just prior to planting, and work into soil 4-8 inches immediately.

Tops may be fed to beef and dairy animals.

Sugarcane

Wireworms: Apply 1 gal. per acre in a 12-inch band centered over the furrow. Make application directly to seed pieces in open furrow at covering time.

Tobacco

Cutworms: Broadcast 2-3 qts. per acre before transplanting and work into the soil 2-4 inches immediately.

Green June Beetle Larvae: Mix 1/4 pt. in 50 gals. of water and apply as a drench (100 gals. per

100 sq. yds.) to uprooted areas of plant beds with sprinkling can. **Mole Crickets:** Broadcast 1 qt. 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 3 pts. per acre, 3-4 weeks before transplanting. Work into soil 2 inches immediately.

Wireworms: Broadcast 2-3 qts. per acre, 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

Range, Pasture, and Grassland Insects

Unless otherwise stated, Diazinon AG500 should always be applied as a spray in a minimum of 1 gal. of water per acre for aerial applications and a minimum of 5 gals. of water per acre for ground applications.

Bermudagrass and Forage Grasses (other than Range and Pasture Grasses)

Thrips, Whiteflies, Grasshoppers: Apply 1 pt. per acre.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) forage grasses may be cut for hay 7 days following treatment.

Rangeland, Pasture, Ditch Banks, Roadsides, Wasteland, Noncrop Areas, and Barrier Strips

Grasshoppers: Apply 3/4-1 pt. per acre in water or oil (minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential.

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 with either air or ground equipment. Do not repeat application for 30 days.

Ornamental Insect Control

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

Insects	Rate per 3 gals. water	Rate per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dip-terous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Ob-scure Root Weavils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cot-tony-Cushion, Lecan-ium, Pine Needle, San Jose, Soft Scale), Thrips, Two-Spotted Mites, Web-worms, Whiteflies	1/2 fl. oz.*	1 pt.*
Apple and Thorn Skeletonizers, Cotton-easter Webworms, Fall Webworms, Hem-lock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1 1/2 fl. oz.	3 pts.

*1 fl. oz. = 2 tablespoons
16 fl. oz. = 1 pint

Diazinon® AG500

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

Mimosa Webworms: Mix 1/2 fl. oz. in 3 gals. of water (or 1 pt. 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 Insect Control

To control insects listed below, apply recommended rates. For control of **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.

Boxelder Bugs: Spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (2 1/2-5 tablespoons) in 1 gal. water. At the same time thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Billbugs and White grubs, such as Japanese beetle larva, European chafer and Southern chafer: Apply 4 fl. oz. 1000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between late

Insects	Rate: 1 000 sq. ft.		Remarks
	Diazinon AG 500	Water	
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Army-worms, Clover Mites, Collembola (Spring-tails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Bill-bugs, Sod Web-worms, (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For lawn bill-bugs, irrigate the lawn thoroughly immediately after treat-ment. For frit flies, mow grass and water well before treatment but delay appli-cation until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks spray grass and under shrubbery particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodes-grass Scale	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

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

July and early October. For bill-bug control apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect.

Hyperodes weevil (New York Only): Apply 3 fl. oz. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Forest Insects

Pine (Seed Orchards, Plantations, Forests): **Arkansas Sawfly (Loblolly Sawfly):** Apply 1/2 pt. per acre over the tree canopy. Application should be made at or near the completion of egg hatch. Aerial applica-tions should be made with a mini-mum of 2 gals. of spray per acre, in swaths not more than 90 ft. wide. Repeat application as needed.

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EPA Reg. No. 100-461

U.S. Patent No. 2,754,243

Agricultural Division
CIBA GEIGY Corporation
Ardley, New York 10502

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CGA 130-120

Diazinon 14G

Insecticide

For control of soil insects such as corn rootworms, wireworms, and cutworms, and other crop pests

 Pounds
Net Weight

Active Ingredient:	
0,0-diethyl 0-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphorothioate	14.3%
Inert Ingredient:	85.7%
Total	100.0%

Diazinon 14G is a 14.3% granular insecticide

Caution: Keep out of reach of children. Harmful if swallowed. Avoid contamination of food and feed. Do not store near food or feed products. Avoid inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. May be absorbed through skin.

FISH AND WILDLIFE CAUTION: Fish and wildlife in treated area may be harmed. Do not contaminate ornamental fish ponds or other bodies of water by direct application, cleaning of equipment, or disposal of wastes and containers.

Do not reuse container. Destroy when empty.

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.

