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D·z·n®

diazinon AG 500

Insecticide

For Agricultural or Commercial Use Only

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

This product must not be used on golf courses and sod farms.

Active Ingredient.
Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.0%

Inert Ingredients: 52.0%

Total: 100.0%

2½ Gallons
U.S. Standard Measure

D·z·n diazinon AG500 contains 4 lbs. diazinon per gallon.

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

See additional precautionary statements at end of booklet.

See directions for use inside booklet.

EPA Reg. No. 100-461
EPA Est. 100-AL-1

D·z·n trademark of CIBA-GEIGY for diazinon

1988 CIBA-GEIGY Corporation

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419
CGA 1L128C 048

100-461

CIBA-GEIGY

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT ... Directions for Use ... Conditions of Sale and Warranty ...

Conditions of Sale and Warranty

The Directions for Use ...

Directions for Use ...

... 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 ...

... Conditions of Sale and Warranty

General Information

DIRECTIONS FOR USE

D•z•n® diazinon AG500

Do not apply this product in such a manner as to directly or through drift expose workers or other persons except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not apply this product through any type of irrigation system.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

Reentry Statement

Do not enter treated areas without protective [illegible] until sprays have dried. Protective [illegible] clothing shall include a hat or other suitable [illegible] shirt and [illegible] shoes, [illegible] type garment [illegible] covering the body including [illegible] and shoes.

[illegible] states may require more [illegible] reentry intervals for various [illegible] treated with this product. Consult your State Department of Agriculture for further information [illegible].

[illegible] warnings must be given to workers who are expected to be in a treated area or in an area that will be treated with this product. That warning must inform workers of areas or things that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental [illegible] as specified under **Precautionary Statements** on this label. When oral warnings are given, they shall be given in a language understandably by workers. Oral warnings [illegible] reasonable [illegible] written warnings cannot be given [illegible] written warnings must be posted [illegible] WARNING: Area should be [illegible] treated without approval [illegible] spray. [illegible] exposure [illegible] water. Can cause [illegible] irritation [illegible] and [illegible] water [illegible].

Note: [illegible] Department of Agriculture [illegible] 15 day reentry for Diazinon [illegible] pasture, [illegible] farmers. [illegible] between the time of application [illegible] the time a worker may enter the field [illegible] engage in any activity [illegible] substantial [illegible] with treated [illegible]. When a mixture of two or more organophosphate pesticides is applied, the interval should be governed by the [illegible] interval and [illegible] interval.

Fruit and Nut Crops

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

Almonds

Mites, Twig Borers. Apply [illegible] per 100 gals of water.

[illegible] Scale. [illegible] Max [illegible] pt. Dozen diazinon AG500 [illegible] per 100 gals of water. [illegible] Apply when [illegible] crawlers are present.

[illegible]

Apricots

Aphids, Brown Mites, [illegible] Mites, Twig Borers, [illegible] Mites. [illegible] Max [illegible] per 100 gals of water. [illegible] Apply when [illegible] crawlers first appear.

[illegible] Max [illegible] Dozen diazinon [illegible] per 100 gals [illegible] water. [illegible] Apply when [illegible] crawlers first appear.

[illegible]

Do not apply within 10 days of harvest or illegal residues may result.

Blueberries

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

Caneberries

Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries

Leafhoppers, Thrips, Aphids, Twospotted Mites, Raspberry Sawflies. Apply 2 pts. per acre in a minimum of 100 gals. of water.

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

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

Do not apply within 7 days of harvest or illegal residues may result.

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 borers begin to form, or in the fall after harvest.

Cherries

Eyespot, Bud Moths, Fruitree Leafrollers. Mix 1 pt. per 100 gals. of water. Apply in cover sprays as the buds begin opening with petal fall.

Cherry Fruit Flies. Mix 1 pt. per 100 gals. of water. Make 3 or 4 applications beginning when [illegible] fruit flies begin to emerge and repeat at 7 day intervals.

Leafrollers. Apply 1 pt. per 100 gals. of water in [illegible] beginning at petal fall and continue through the growing season, or apply as [illegible].

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

[illegible] Scale Crawlers. Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage of when crawlers first appear.

Do not apply within 10 days of harvest or illegal residues may result.

Cherry Rust Mites. Mix 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, Fruitree Leafrollers, California [illegible] Scale Crawlers, Soft Scale Crawlers. Apply [illegible] 1 pt. per 100 gals. of water (maximum [illegible] per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruitree Leafrollers. Use [illegible] 1 pt. per 100 gals. of spray (maximum 600 gals. per acre) when an average [illegible] percent of eggs in egg masses have hatched in the spring.

Citrus Thrips. Apply 1 pt. in 100 gals. of water (maximum 600 gals. per acre) when thrips first appear.

[illegible] Apply 1-2 pts. per 100 gals. of water (maximum 1,000 gals. per acre) as a postbloom spray and again as a summer spray. [illegible] scale infestations usually [illegible] The [illegible] cover [illegible]

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

Cranberries

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

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

Do not apply within 7 days of harvest or illegal residues may result.

Figs

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

Filberts

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

Grapes

Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers. 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 or illegal residues may result.

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 [illegible] days of harvest or illegal residues may result.

Olives

Olive Scales. Mix 1 pt. of Dozen diazinon AG500 plus 1 gal. of petroleum summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July.

Precaution: Do not apply during bloom. Avoid [illegible] *of harvest or illegal residues may result.*

Peaches, Nectarines

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

Olive Scale Crawlers. Mix [illegible] pt. of Dozen diazinon AG500 plus 1 gal. of petroleum 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-[illegible] day intervals. Time the 1st application to [illegible] Oriental fruit moth flight [illegible].

Peach Twig Borers. Mix [illegible] per 100 gals. of water at [illegible].

Leafrollers. [illegible] pt. per 100 gals. of water [illegible] petal fall [illegible] season or apply as [illegible].

White Peach Scale (Pseudaulacaspis pentagona). As a post-harvest spray, apply 1 [illegible] water [illegible] mature scale [illegible] heavy infestations [illegible] as may be necessary.

Do not apply [illegible] nectarines within [illegible] days of harvest or illegal residues may result.

Pecans

Aphids, Mites, [illegible]

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Pineapple

Scales Apply 5 qts of D•z•n 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 Illegal residues may result if fed sooner than indicated

Plums, Prunes

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

Leafcurl Plum Aphids Mealy Plum Aphids Thistle Aphids Apply ½-1 pt per 100 gals of water

Do not apply within 10 days of harvest or illegal residues may result

Strawberries

Aphids, Twospotted 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 foliage Make additional applications if necessary, after harvest

Mole Crickets Broadcast 1 qt per acre when insects are present Apply 1-2 days before transplanting and immediately mix into the top 1-2 inches of soil

Strawberry Leafrollers 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 or illegal residues may result

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 or illegal residues may result

Vegetable Foliar Insects

Unless otherwise stated foliar applications of D•z•n 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 Leafminers Apply 1-1½ pts per acre

Cucumber Beetles Apply ¾ pt in 100 gals of water per acre

Do not apply within 7 days of bean harvest or illegal residues may result 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 or illegal residues may result

Lima Beans

Dipterous Leafminers Leafhoppers Mites Apply 1 pt per acre Do not apply within 7 days of harvest or illegal residues may result 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 or illegal residues may result

Broccoli, Cabbage, 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 within 5 days

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 or illegal residues may result

Carrots

Aphids Apply 1 pt per acre Do not apply within 10 days of harvest or illegal residues may result

Celery

Aphids Flea Beetles Apply 1 pt in 100 gals of water per acre Do not apply within 10 days of harvest or illegal residues may result Plants should be market trimmed (tops removed) before being shipped or used or illegal residues may result Tops should not be used for feed or food or illegal residues may result

Collards, Kale, Swiss Chard, 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, or to Swiss Chard within 12 days of harvest or illegal residues may result

Cucumbers

Aphids Serpentine Leafminers, Thrips Apply 1 pt per acre Do not apply within 7 days of harvest or illegal residues may result

Lettuce, Endive

Aphids Dipterous Leafminers Apply ½-1 pt per acre Do not apply within 10 days of harvest or illegal residues may result

Melons, 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 Leafminers 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 or illegal residues may result

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 or illegal residues may result

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 or illegal residues may result

Onions

Onion Thrips Apply 1 pt per acre Do not apply within 10 days of harvest or illegal residues may result

Peas

Aphids Leafminers Apply ¾-1 pt per acre Peas may be picked immediately Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep Wait 4 days following treatment if forage is to be cut for hay or illegal residues may result

Peppers

Aphids Serpentine Leafminers Apply ½ pt per acre Do not apply within 5 days of harvest or illegal residues may result

Potatoes

Aphids Flea Beetles Colorado Potato Beetles Dipterous Leafminers Apply at the rate of ½-¾ pt per acre

Banded Cucumber Beetles Leafhoppers

Do not apply within 35 days of harvest or illegal residues may result

Radishes, Parsnips, Turnips

Aphids, Flea Beetles, Dipterous Leafminers Apply ½-1 pt per acre Do not apply within 10 days of harvest or illegal residues may result

Spinach, Beets

Aphids, Dipterous Leafminers Apply ½-1 pt per acre Do not apply to spinach within 10 days or to beets within 14 days of harvest or illegal residues may result

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 Leafminers Apply ½ pt per acre To control leafminers weekly applications are usually required

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

Vinegar Flies (*Drosophila* spp.) Apply ½-1 pts per acre Weekly applications are usually required

Do not apply within 1 day of harvest or illegal residues may result

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 or illegal residues may result

Vegetable Soil Insects

Unless otherwise stated soil applications of D•z•n 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	Endive (Escarole)	Potatoes
Brussels Sprouts	Kale	Snap Beans
Cabbage	Lettuce	Spinach
Cantaloupes	Lima Beans	Summer Squash
Cauliflower	Muskmelons	Sweet Corn
Celery	Barley	Swiss Chard
Collards	Peas	Tomatoes
Cucumbers	Peppers	Watermelons
		Winter Squash

Broadcast 2 [illegible] per acre [illegible] planting Work into the soil immediately 2-4 inches for surface cutworms 3-6 inches for subterranean cutworms

Garden Symphylans (Centipedes)

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

Broadcast 10 qts per acre [illegible] planting immediately work into soil 4-8 inches This preplant treatment will also control other soil insects cutworms (surface and subterranean) mole crickets root maggots and wireworms

Mole Crickets

Broccoli	Cauliflower	Kale	Radishes
Brussels Sprouts	Collards	Lettuce	Tomatoes
	Endive	Mustard	

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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 immediately work into soil 1-2 inches.

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. Immediately work into soil 3-4 inches.

Root Maggots

Broccoli, Brussels Sprouts, Cabbage, Cauliflower.

Broadcast Application: Broadcast 2-3 qts. per acre and immediately 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 ¼-½ pt. in 50 gals. of transplant water when 200-300 gals. of water are used per acre. May be applied at the rate of ½-1 cupful per plant, either by hand or by tractor mounted sprayer equipped with drip nozzles to direct spray to the base of the plant.

Precaution: 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 (1-1½ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

Wireworms

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

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

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

Southern Potato Wireworms (Southeastern U.S.)

Potatoes: For use to control southern potato wireworms in potatoes grown on mineral soils in the Southeast, apply 2-4 qts. per acre as a soil treatment prior to planting, and immediately mix 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 D•z•n 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, Clover

Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply ¾-1 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 or illegal residues may result.

Alfalfa Weevil Larvae: For control in the spring, apply 2-3 pts. 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 or illegal residues may result.

Precaution: Do not spray livestock directly with either air or ground equipment or illegal residues may result. 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 ½-1 pt. per acre.

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

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

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

Grasshoppers: Apply 1 pt. per acre.

Sap Beetles: Apply 2-2½ 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

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

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

Guar (Texas and Oklahoma only)

Midge: Apply ½-1 pt. per acre in a minimum of 10 gals. of water for ground application or 2 gals. of water for aerial application when 15% of the blooms are infested. Should the infestation warrant, repeat applications should be made in 5-6 days.

Do not make more than 3 applications to the same crop. Do not apply within 12 weeks of harvest or illegal residues may result.

Do not graze or feed treated forage to livestock within 12 weeks of harvest or illegal residues may result.

Hops

Aphids, Mites: Apply 1 qt. per acre. Do not apply within 14 days of harvest or illegal residues may result.

Sorghum

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

Sorghum Midge: Apply ½-1 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 ½-1 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 or illegal residues may result.

Sugar Beets

Beet Leafhoppers, Dipterous Leafminers, Aphids: Apply ¾-1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

Tops may be fed to beef and dairy animals.

Sugarcane

Aphids: Apply ½-1 pt. per acre. Allow 1 day between last application and harvest or illegal residues may result. Bagasse and forage may be fed to livestock.

Tobacco

Aphids, Flea Beetles: Apply ½-1 pt. per acre. Do not apply within 3 days of harvest or illegal residues may result.

Grasshoppers: Apply 1 pt. per acre. Do not apply within 14 days of harvest or illegal residues may result.

Field and Forage Soil Insects

Unless otherwise stated, soil applications of D•z•n 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, 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: Postemergence Basal Treatment: Apply 1¼-2½ 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.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

Row Spacing	Linear Feet of Corn Row Acre	Postemergence Basal Treatment (Fl. oz.)
48	10,890	14.28
42	12,455	15.31
40	13,068	16.32
38	13,839	[illegible]
36	14,520	18.[illegible]
30	17,424	[illegible].44
24	21,780	27.55
20	26,136	32.64
15	34,848	43.89

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

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

Cutworms (Surface and Subterranean): Broadcast 2-4 qts. per acre. For surface cutworms apply just prior to planting or when larvae first

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For subterranean cutworms apply just prior to planting and immediately work into soil 3-6 inches.

Wireworms: Apply 3-4 qts. per acre prior to planting and immediately work into the soil 4 inches.

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.

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 or illegal residues may result.

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. Illegal residues may result if fed sooner than indicated.

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.

White Grubs: Apply 3 pints per acre prior to planting. Broadcast spray on the soil surface then incorporate immediately with a disk or other suitable equipment to a 4-5 inch depth. Shallow incorporation will not give as effective control. Listing may be done following application.

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 immediately work into the soil 4-8 inches.

Tops may be fed to beef and dairy cattle.

Sugarcane

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

Tobacco

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

Green June Beetle Larvae: Mix [illegible] of water and apply as a drench [illegible] to uprooted areas of [illegible] sprinkling can.

White Grubs: Broadcast [illegible] when insects are present. Make [illegible] fields 1-2 days prior to seeding [illegible] planting and immediately work [illegible] inches.

Seed Corn Maggots: Broadcast [illegible] 1-4 weeks before seeding [illegible]

Range, Pasture, and Grassland Insects

Unless otherwise stated, D•z•n 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. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days or illegal residues may result.

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

Grasshoppers: Apply ¼-1 pt. per acre in water or (2) a 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 or illegal residues may result. Do not spray livestock directly with either air or ground equipment or illegal residues may result. Do not repeat application for 30 days or illegal residues may result.

Ornamental Insect Control

To control certain insects on Arborvitae, 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	Rate per 3 gals water	Rate per 100 gals water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dogwood Leafminers, European Pine Shoot Moth, Mites, European and Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leafrollers, Pecan Mites, Sugar Crawlers (Leafhoppers), Rose Aphids, Tulip Tree Scale, Thrips, Twig Borer, Mites, Aphids, Whiteflies	[illegible]	[illegible]
Apple [illegible], Aphids, Bagworms, Boxelder Bugs, Boxwood Mites, Elm Leaf Beetles, Japanese Beetles, Leafhoppers, Pear Psylla, Tent Caterpillars	[illegible]	[illegible]

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

Mimosa Webworms: Mix ½ 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 Pest Control (Excluding Golf Courses and Sod Farms)

To control pests listed below, apply recommended rates. For control of Ants, brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola) 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.

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overspraying of sprays. If waterfowl, i.e. ducks, geese can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after application; however, stop watering before goose or duck arrival occurs.

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D•z•n® diazinon AG500

Pests	Rate 1,000 sq. ft D•z•n diazinon AG500	Rate 1,000 sq. ft Water	Remarks
Lawn Chinch Bugs	2 3 fl. oz	3 gals	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns
Ants, Armyworms, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Fruit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	2 4 fl. oz	3 gals	Spot spray ant hills and wasp ground nest openings. For fruit flies, mow grass and water well before treatment but delay application until grass is dry
Brown Dog Ticks, Bermudagrass Mites, Chiggers, Fleas, Leafhoppers	1 4 fl. oz	3 gals	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house
Millipedes	3 fl. oz	3 gals	
Rhodesgrass Scales	3 fl. oz	3 gals	Apply when crawlers first emerge

Billbugs, White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer): Apply 3 fl. oz. per 1,000 sq. ft. of lawn. For grub control make application any time between late July and early October. For billbug 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 1,000 sq. ft. of grass. Treat problem areas in mid April and again in mid May.

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

Storage and Disposal

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

Pesticide

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If pesticide, spray mixture, or rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incinerate, or burn, if allowed by State and local authorities. Stay out of smoke from burning container.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

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 feed. Do not use on humans or permit children to go onto 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 onto sprayed grass until spray has completely dried.

Statement of Practical Treatment

If swallowed, call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluids clear. Do not give anything by mouth [illegible] person.

If inhaled, remove victim to fresh air and apply artificial respiration if indicated.

If on skin, wash promptly with soap and water. Rinse thoroughly.

If in eyes, rinse eyes with plenty of water and call a physician immediately.

Note to Physician: Gastric lavage is indicated. Contains a petroleum based solvent which presents aspiration hazard. Atropine sulfate and 2-PAM are specific antidotes.

Environmental Hazards

This product is toxic to birds, fish, and wildlife including waterfowl. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources.

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

Apply this product only as specified on this label.

Physical or Chemical Hazards

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

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419
CGA 11 280 048

100-461

D•z•n® diazinon AG500

ACCEPTED

JUN 16 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 100-461

D•z•n

diazinon AG 500

Insecticide

For Agricultural or Commercial Use Only

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

This product must not be used on golf courses and sod farms.

Active Ingredient:
Diazinon O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.0%

Inert Ingredients: 52.0%

Total: 100.0%

D•z•n diazinon AG500 contains 4 lbs. diazinon per gallon.

See directions for use in attached booklet.

EPA Reg. No. 100-461

EPA Est. 100-AL-1

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2½ Gallons

U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

PRECAUCIÓN AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

Precautionary Statements

Hazards to Humans and Domestic Animals

[illegible]

Statement of Practical Treatment

If swallowed [illegible]

If inhaled [illegible]

If on skin [illegible]

If in eyes [illegible]

Note to Physician [illegible]

Environmental Hazards

[illegible]

Physical or Chemical Hazards

[illegible]

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