

# DIAZINON AG 500



**ACCEPTED**  
 APR 16 1975  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 635-670

Net Contents 1 Gallon  
 (Contains 4 lbs. Diazinon per Gallon)

## WARNING: KEEP OUT OF REACH OF CHILDREN

### ACTIVE INGREDIENTS:

O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate . . . . 48%  
 Xylene . . . . . 38%

### INERT INGREDIENTS:

. . . . . 14%  
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 100%

Diazinon<sup>®</sup> Insecticide trademark of CIBA-GEIGY

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

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The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the label. All statements made concerning this product apply only when used as directed.

410-17

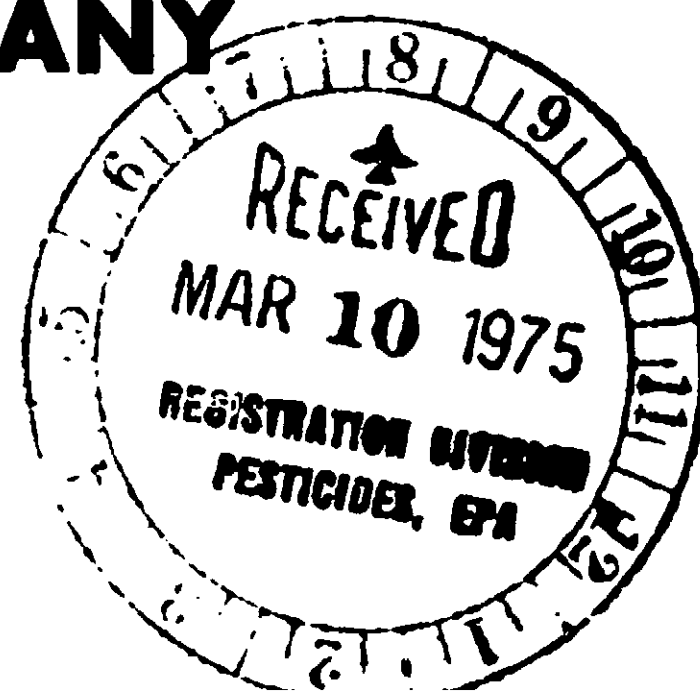
EPA Est. 635-MI-1; OH-1

E.P.A. Reg. No. 635-670

SOLD BY

## E-Z FLO CHEMICAL COMPANY

Division of Kirsto Company  
 Lansing, Michigan • Columbus, Ohio



### WARNING

Continued from front panel-

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.

This product is toxic to fish, shrimp, crabs, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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 re-use empty container. Destroy by perforation or crushing and burning in a safe place.

CAUTION: INFLAMMABLE MIXTURE- Do not use, pour, spill or store near heat or open flame.

### DIRECTIONS FOR USE

Diazinon AG 500 is an emulsifiable solution which, when diluted with water according to the directions below, is intended for the control of insect pests on 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.

#### FRUIT CROPS

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

**APRICOTS-** 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 1 pt. Diazinon AG 500 plus 1 gal. 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.

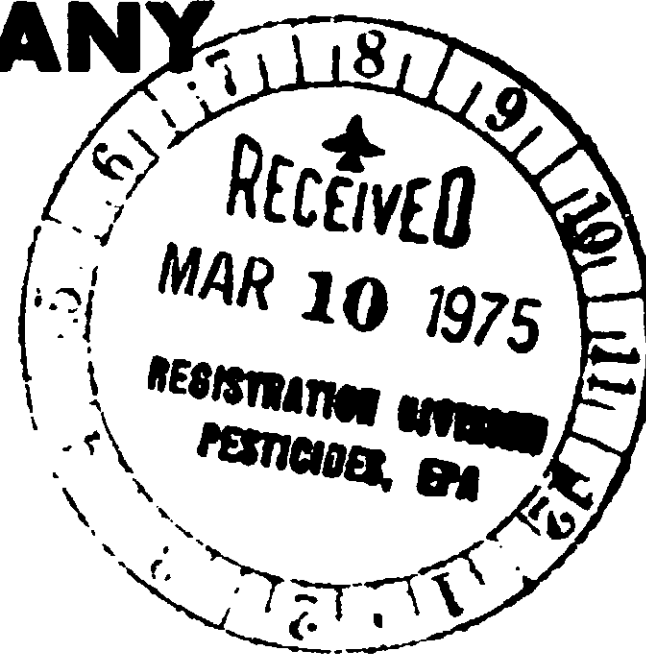
**BLUEBERRIES-** Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two-spotted Mites. Mix 1 pt. per 100 gals. of water. Apply at to 200 gals. of spray per acre. Do not apply within 7 days of harvest.

**CANE BERRIES, BLACK BERRIES, BOYSENBERRIES, DEWBERRIES, LOGAN BERRIES, RASPBERRIES-** Leafhoppers, Thrips, Aphids, Two-spotted Mites, Raspberry Sawflies. Apply 2 pt. 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. Cherry Mites. Apply 1-2 pt. 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 10 days of harvest. Raspberries - Blackberry Raspberry Root Borers. Apply 2 pts. per acre in a minimum of 100 gals. of water as a dormant spray to the crown area and to

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## DIRECTIONS FOR USE

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**STRAW BERRIES-** 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 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 1/2 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.

### VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of Diazinon AG 500 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 Aphid, Mexican Bean Beetles, Leaf Miners: Apply 1-1 1/2 pts. per acre. Cucumber Beetles: Apply 1/2 pt. 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 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 1/2 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 1/2 pt. per acre. Generally applications at 7-10 day intervals will be required. Do not apply to brussels sprouts within 7 days of harvest.

**CAULIFLOWER, ASPARAGUS and CELERY-** Aphids: Apply 1/2 pt. per acre. Do not apply within 10 days of harvest.

**CUCUMBERS-** Aphids, Flea Beetles: Apply 1/2 pt. in 100 gals. of water per acre. Do not apply within 7 days of harvest. Plants should be marketed immediately and not be stored in a cool room. Tops should not be used for feed.

**COLLARDS, KALE, SWISS CHARD, and TURNIP TOPS-** Aphids, Imported Flea Beetle, the weevil, Diamondback Moths, Harlequin Cabbage Bug: Apply 1/2 pt. per acre. Do not apply to collards, kale, or turnip tops within 10 days of harvest.

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## DIRECTIONS FOR USE

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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 1/2 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 1/2 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

**CRANBERRIES-** Black Headed Fireworm (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.

**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.

**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 1/2 pt. of Diazinon AG 500 plus 1/2 gal. 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 apply 1-2 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.

**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 1/2 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

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## DIRECTIONS FOR USE

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**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 1/2 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 1-1 1/2 pts. per acre. Serpentine Leaf Miners, Thrips: Apply 1/2 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 Sciariids): Mix 1/2 gal. in 50 gals. of water (0.5% to 1.0% water), Diazinon, and spray on outside and inside walls and ventilators of mushroom houses after compost or 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 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 1/2 pt. per acre. Peas may be picked immediately. Pea vines and pea 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 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 1/2 pt. per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply 1/2 pt. per acre. Do not apply within 5 days of harvest.

**RADISHES, PARSNIPS, and TURNIPS-** Aphids, Flea Beetles, Dipterous Leaf Miners: Apply 1/2 pt. per acre. Do not apply within 10 days of harvest.

**SPINACH and BEETS-** Aphids, Dipterous Leaf Miners: Apply 1/2 pt. per acre. Do not apply to spinach within 10 days of harvest. To beets within 14 days of harvest.

**SWEET CORN-** Corn Earworms: Apply 1-1 1/2 qts. per acre when silks first appear. Two to three repeat applications at 2-4 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 Fields and Forage Field Insects and Flea and Forage Soil Insects.

**TOMATOES-** Aphids, Dipterous Leaf Miners: Apply 1/2 pt. per acre. To control leaf miners weekly applications may be necessary. Banded Cucumber Beetles, Flea Armyworms, Southern Armyworm: Apply 1/2 pt. per acre. Mealy Flea Beetles: Apply 1/2 pt. per acre. Weekly applications are usually required. Do not apply within 10 days of harvest.

### VEGETABLE SOIL INSECTS

Unless otherwise stated, soil applications of Diazinon AG 500 should always be applied to vegetable crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

**ROOT CROPS-** Surface and Subterranean:

Broccoli	Cauliflower	Endive (escarole)	Marigolds	Peas	Spinach
Brussels sprouts	Celery	Flea	Parsley	Straw Beans	Turnip tops
Cabbage	Collards	Lettuce	Peas	Tomatoes	Turnip tops
Cantaloupes	Cucumbers	Lima Beans	Peppers	Turnip tops	Turnip tops

Broadcast 2-4 qts. per acre just prior to planting. Work into the soil before the soil settles. Do not apply to subterranean crops.

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Directions for use continued from label on container-

**GARDEN SYMPHYLANS (Centipedes)-**

Cabbage	Lettuce	Radishes	Tomatoes
Carrots	Peas	Red Beets	Turnips
Corn	Pole Beans	Snap 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	Cauliflower	Kale	Peppers	Turnips
Brussels Sprouts	Collards	Lettuce	Radishes	
Cabbage	Endive (escarole)	Mustard	Tomatoes	

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 qt. per acre just prior to planting. Work into soil 3-4 inches immediately.

**ROOT MAGGOTS-** Broccoli, Brussel Sprouts, Cabbage, and 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 1/2-1 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.

**ROOT MAGGOTS-** 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.

Suggested Rates According to Row Spacing For Corn Rootworm Larvae Control:

Row Spacing	Linear feet of Corn row/acre	Post-emergence basal treatment (Fl. oz.)
48"	10,490	14-28
42"	12,455	15.5-31
40"	13,068	16-32 (1 pt.)
38"	13,439	17.5-35
36"	14,150	18-36
30"	17,424	22-44
24"	21,180	27.5-55
20"	26,136	32-64 (1-2 pts.)
15"	34,148	44-88

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

**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

**WIREWORMS-**

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

**FIELD and FORAGE FOLIAR INSECTS**

Unless otherwise stated, foliar applications of Diazinon AG 500 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 1/2-1 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 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. 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.

**TOBACCO-** Cutworms: Broadcast 2-3 qts. per acre before transplanting and work into the soil 2-4 inches immediately. Green June Beetle Larvae: Mix 1/2 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 AG 500 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. Do not repeat application for 30 days.

**RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, and BARRIER STRIPS-** Grasshoppers: Apply 1/2-1 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

**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. **Flea Beetles:** Apply 1 pt. per acre when insects first appear. Repeat applications as necessary. **Grasshoppers:** Apply 1 pt. per acre. **Sap Beetles:** Apply 2-2 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. **SUGAR BEETS-** Beet Leafhoppers, Dipterous Leaf Miners, Aphids: Apply 1/2-1 pt. per acre. **Grasshoppers:** Apply 1 pt. per acre. NOTE: Tops may be fed to beef and dairy animals. **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 AG 500 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: Postemergence Basal Treatment: Apply 1/2-2 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.

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, Dipterous Leaf Miners, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Mites, Webworms, Whiteflies, European Pine Shoot Moth, Apple-and-Thorn Skeletonizers, Cotton-easter Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	2 fl. oz.*	1 pt.*
	1 1/2 fl. oz.	3 pts.

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

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.

Row Spacing	Linear feet of Corn row, acre	Post-emergence basal treatment (Fl. oz.)
48"	10,890	14-28
42"	12,455	15.5-31
40"	13,066	16-32 (-1 qt.)
38"	13,939	17.5-35
36"	14,750	18-36
30"	17,724	22-44
24"	21,780	27.5-55
20"	26,436	32-64 (1 qt.)
15"	34,848	42-84

1. The following packages of fertilizer will give the appropriate amount of nitrogen for the row figure.

**Seed Corn Maggots:** Broadcast 2-4 pts. per acre just prior to planting. Work into soil 1-2 inches immediately. **Wireworms:** Broadcast 2-3 qts. per acre just prior to planting. Work into soil 1-2 inches immediately. **Whiteflies:** 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 July 1. For subterranean cutworms apply just prior to planting and work into soil 3-6 inches immediately. **Wireworms:** Apply 2-4 pts. per acre prior to planting and work into 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.

**COYBEAS- 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.

**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 or dairy animals.

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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 LARVAE, EUROPEAN CHAFER and SOUTHERN CHAFER-** Apply 4 fl. oz. per 1,000 sq. ft. of lawn.

Water grass thoroughly after application. 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.

Insects	Rate 1,000 sq. ft.		Remarks
	Diazinon AG 500	Water	
Lawn Crickets, Bugs	2-3 fl. 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, Fruit Flies, Lawn Bill-Bugs, Sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For fruit 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	1 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 crawler first emerge.

**Green Syle Beetle Larvae:** Mix 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 AG 500 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. Do not repeat application for 30 days.

**RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, and BARRIER STRIPS-** Grasshoppers: Apply 3-1 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,

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E-Z-Flo Diazinon AG 500  
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\*Alternatively, make application in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application.

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

#### FOREST INSECTS

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

See 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, Dipterous Leaf Miners, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Mites, Webworms, Whiteflies, European Pine Shoot Moth	1/2 fl. oz.*	1 pt.*
Apple-and-Thorn Skeletonizers, Cotton-easter Webworms, Fall Webworms, Hairy-back Chemes, Oak Looper, 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

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur. Mimosa Webworms: Mix 1 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, 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 1/2-2 1/2 fl. oz. (2 1/2-5 tablespoons)