

Notes

Fruit and Nut Crops

5

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.

Drybean 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 Borer (Raspberry Root Borer). Apply 2 qts. per acre in a minimum of 100 gals. of water as a dormant spray to the crown area and to the well-drains. Apply either in the spring before tenting begins or in the fall after harvest.

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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 low canes. Apply either in the spring before buds open or in the fall after harvest.

**Fruit and Nut Crops**

**Notes**

**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 con-  
tinuing through the growing season, or apply as in-  
festations develop.

Cherry Fruit Flies. Mix 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 Scales Crawlers. Mix 1 pt. per 100 gals. of  
water. Apply during the prepink stage or when  
crawlers first appear.

Do not apply within 30 days of harvest.

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

Notes

Fruit and Nut Crops

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**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 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 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.

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

Citrus Snow Scale. Apply 1-2 pts per 100 gals of water (maximum 1000 gals per acre) as a post-bloom spray at 1 quart as a summer spray. For heavy or w 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. Sump and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

#### Cranberries

Black-Headed Fireworms (*Sparganothis sulfureana*) 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 1/2 qts. in 400 gals. of water per acre as a thorough cover spray.

#### Grapes

Parasitic Spider Mites. Leafhoppers. Grape Berry Moths. Grape Leaf Feeders. Apply 1 1/2 pt. 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 1 1/2 - 1 pt. of Diazinon AG500 plus 1 1/2 gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July. Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

#### Peaches and Nectarines

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.

Black-headed Fireworms. Mix 1 pt. of Diazinon AG500 plus 1 1/2 gals. light medium horticultural oil per 100

gals. of water. Apply when scale crawlers are present.

**Oriental Fruit Moths** Mix 1 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 scale and immature scale activity. Or for control of heavy infestations 2 applications may be necessary.

Do not apply to peaches within 30 days of harvest.

#### **Pecans**

**Aphids, Mites, Pear and Nut Case-bearers** Water

**Caterpillars** Apply 1-3 qts. per acre per 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 1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

#### **Strawberries**

**Aphids, Two Spotted Spider Mites** Apply 1 qt. 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 2 1/2 - 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.

Unless otherwise stated, foliar applications of Drazinon 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 - 1 1/2 pts. per acre.

**Cucumber Beetles.** Apply 2 1/2 pt. in 100 gal. 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 - 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 Beetles. 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, Corn Earworms. Apply 1 - 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 1 - 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 - 1 pts. per acre.

Serpentine Leaf Miners, Thrips. Apply 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 Sepsids). Mix 1 quart in 50 quarts of water (10 fl. oz. 10% diazinon) and spray on outside of mushroom houses and ventilators of mushroom houses after compost in beds has been pasteurized by heating. Do not spray on mushroom beds or after spawning.

To treat wooden sides of beds, posts, and raised bed frames after pasteurizing, mix 1 pt. of 10% diazinon in 10 gal. of water and apply with a brush.

Do not treat compost.

#### Onions

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

#### Peas

Aphids, Leaf Miners. Apply 1 pt. per acre. Peas may be picked immediately. Peas, cut and perennials may be fed 1 day after treatment. Do not feed 4 days following treatment of grapes, melons, and other crops.

#### Peppers

Aphids, Serpentine Leaf Miners. Apply 1 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 pt. per acre.

Banded Cucumber Beetles, Leafhoppers, Southern Armyworms. Apply 1 to 1 pt. per acre.

Do not apply within 35 days of harvest.

#### Radishes, Parsnips, and Turnips

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

#### Spinach and Beets

Aphids, Dipterous Leaf Miners. Apply 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 1-1.5 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 is ripe for best quality when leaf beetles and moths are gone.

Refer to the label for Field and Forage Use instructions for this product.

**Tomatoes**

Aphids. Apply 1-1.5 qts. per acre when aphids are first seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen.

**Watercress**

Watercress. Apply 1-1.5 qts. per acre when the first signs of damage are seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen. Apply 1-1.5 qts. per acre when the first signs of damage are seen.

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.

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

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
Catnips	Red Beets
Corn	Snap Beans
Lettuce	Tomatoes
Peas	Turnips
Pine Beans	

Broadcast 10 qts. per acre just prior to planting. Work into soil 4 - 8 inches immediately. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots and wireworms.

#### Mole Crickets

Broccoli	Lettuce
Brussels Sprouts	Mustard
Cabbage	Peppers
Cauliflower	Radishes
Collards	Tomatoes
Endive (escarole)	Turnips
Kale	

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 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 qt. in 50 gals. of transplant water when 200 - 300 qts. of water are used per acre. May be applied at the rate of 1/2 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	Onions
Brussels Sprouts	Parsley
Cabbage	Peas
Cantaloupes	Peppers
Carrots	Potatoes
Cauliflower	Snap Beans
Celery	Spinach
Collards	Summer Squash
Cucumbers	Sweet Corn
Endive (escarole)	Sweet Potatoes
Kale	Swiss Chard
Lettuce	Tomatoes
Lima Beans	Watermelons
Muskmelons	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 Potato Wireworms.** (Southeastern U.S.) For use to control southern potato wireworms on potatoes grown on mineral soils in the Southeast apply 2-4 qts. per acre 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.

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 1/2-1 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 1/2-1 pt. per acre when feeding damage to growing tips becomes evident. Repeat application if necessary. If damage is already extensive, cut alfalfa and make application to the stubble. Do not

**Potatoes**

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

**Southern Potato Wireworms** (Southeastern U.S.) 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. Immediately mixed thoroughly by disking or other suitable means into the top 3 - 6 inches of soil depending on location of wireworms.

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 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 stubble 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 Suckers: 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 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.

Meas: 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.

#### Cotton

Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworm, Cotton Leaf Perforators: Apply 1-2 pts. per acre with 5 gals. of water per acre. Repeat as in forage warrants.

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

#### Hops

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

#### Sorghum

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

**Sorghum Midge** Apply 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 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**

Leafhoppers, Deterius Leaf Miners, Aphids Apply 1 pt. per acre.

**Note:** Tops may be fed to beef and dairy animals.

#### **Sugarcane**

Aphids Apply 1 pt. per acre. Allow 1 day between last application and harvest. Forage and tops may be fed to livestock.

#### **Tobacco**

Aphids, Flea Beetles Apply 1/2 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.



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 with 2 - 5 oz. per 1,000 linear feet of row with a 4 - 7 inch band directly behind the planter shoe. For band treatment refer to the row spacing chart for amounts recommended per acre.

**Postemergence Basal Treatment:** Apply 1 - 2 qts. per 1,000 linear feet of row with sufficient water to thoroughly wet base. For basal treatment a narrow band of soil next to the plant. Refer to the row spacing chart for amounts recommended per acre.

acre. Cover treated band with 2 - 3 inches of soil using a disk tiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae, 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	Rate per acre	
		Planting time application	Postemergence basal treatment
40"	1,000	1.00	1.00
36"	1,111	1.11	1.11
32"	1,250	1.25	1.25
28"	1,429	1.43	1.43
24"	1,667	1.67	1.67
20"	2,000	2.00	2.00
18"	2,222	2.22	2.22
16"	2,500	2.50	2.50
14"	2,857	2.86	2.86
12"	3,333	3.33	3.33
10"	4,000	4.00	4.00

**NOTE:** For row spacings not listed, calculate the application rate based on the 40-inch row figure listed. Example: Broadcast 2 - 4 qts. per acre at 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.

#### **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.

Cowpeas (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** Apply 1 qt per acre just prior to planting and work into soil 4 - 8 inches immediately. Forage 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**

**Wireworms.** Broadcast 2 to 3 qts. per acre before transplanting and work into the soil 2 to 4 inches immediately.

**Green June Beetle Larvae.** Mix 1 pt. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to protected areas of plant beds with open ground.

**Thrips and Weevils.** Broadcast 1 qt. per acre when insects are present. Make application to beds of tobacco 10 days prior to sowing of seed or transplanting and work into soil 1 to 2 inches immediately.

**Flies and Maggots.** Broadcast 1 pt. per acre 1 to 2 weeks before transplanting. Work into soil 2 inches immediately.

**Wireworms.** Broadcast 2 to 3 qts. per acre 1 to 4 weeks before transplanting. Work into soil 2 to 4 inches immediately.

Unless otherwise stated, Drazinon 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. Do not repeat application more often than once every 30 days.

**Rangeland, Pasture, Ditch Banks, Roadsides, Wasteland, Noncrop Area, and Barrier Strips**

**Grasshoppers.** Apply 1 to 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)

36 **Range, Pasture and Grassland Insects**

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.

37 **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 Moths, Carnation Shoot Moths, Cherry Moths, Cystic Mites, Dotted Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Oakworm, Root Weevils, Oriental Bark Beetles, Pear Moths, Tree Crickets, Tortoise Shell Moths, Yellow Pine Needle Sawflies, Yellow Pine Sawflies, Yellow Pine Tip Moths, Yellow Pine Weevils, Yellow Pine Bark Beetles.	12 1/2 oz.	1 pt.

Apple and Thorn  
Scaleborers, Curculionids,  
Eastern Webworms, Fall  
Webworms, Hemlock  
Chermes, Oak Leafhoppers,  
Oblique-banded Leaf  
Miner, Pear Slug,  
Tent Caterpillars

1 1/2 pt. (2)	1 pt.
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1 1/2 pt. (2) for 1000 sq. ft.  
1 pt. (2) for 500 sq. ft.

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.

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

Insects	Rate 1,000 sq. ft.		Remarks
	Diazinon AG500	Water	
Ants	1/2 pt.	10 gals.	Use higher rate for lawns, lawns, and lawns. Use higher rate for lawns, lawns, and lawns.
Brown Dog Ticks	1/2 pt.	10 gals.	
Clover Mites	1/2 pt.	10 gals.	
Crickets	1/2 pt.	10 gals.	

Ants Army Acridae Cater Mites Collembola (Springtails) Crickets Cutworm Digger Worms Earwig Firefly Lawn Bugs Sawflies Termite	4 1/2	2	1 gal	Apply spray at dusk and wash ground with water.
Beetle Caterpillar Grasshopper Lawn Mite Sawfly Termite	1 1/2	2	1 gal	Apply spray at dusk and wash ground with water.
M. (Ant)	4 1/2	2	1 gal	Apply spray at dusk and wash ground with water.
M. (Termite)	4 1/2	2	1 gal	Apply spray at dusk and wash ground with water.

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

Boxelder Bugs - Spray bugs outside the home with 1 x 2 x fl. oz. (2 x 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.

EPA Reg. No. 6720-193

6720-193

301/163643  
17/4



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Mr. Gary Sorter  
Southern Mill Creek Products Co., Inc.  
P.O. Box 1096  
5414 N. 56th Street  
Tampa, FL 33601

Steve  
8/22/83

NOT AVAILABLE

Dear Mr. Sorter:

Subject: Amendment - Update Label  
Chemplex Diazinon AG 500  
EPA Registration No. 6720-193  
Your Application Dated June 29 and July 28, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

*At the next label printing, correct the labeling as follows:*  
Prior to marketing please make the following revisions to your label:

- a. The storage and disposal statement printed in the booklet does not reflect PP Notice 83-3. Please revise this statement according to the revised storage and disposal statement you have printed on the label.
- b. The beneficial insect caution in the booklet should be similar to that printed on your label.
- c. On page 2 of the booklet spell "flap" correctly.
- d. The insect list for lawn insect control on the label (booklet is correct) has an error: it is "fruit fly" not "fruit fly."
- e. Insert "Diazinon" in front of its chemical formula in the statement of active ingredients.
- f. Revise the statement of first aid treatment according to the following example:

If swallowed - Call your nearest poison control center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

NAME							
ADDRESS							
DATE							

# ChemPlex

## DIAZINON AG500 INSECTICIDE

For control of insects on fruits, nuts, and ornamentals.

Active Ingredient	50.00%
Inert Ingredients	50.00%
<b>TOTAL</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN  
WARNING  
AVISO**

Processing of insects on fruits, nuts, and ornamentals. Use only for the purpose intended. Do not use for any other purpose. For additional information, see the label on the container. **IMPORTANT: Read the label on the container for complete directions.**

Do not use on certain plants, varieties, strains, types, sizes, and conditions, when listed in the spray and/or label.

Apply according to the label on the container. Do not use more than the amount listed on the label.

Do not use on certain plants, varieties, strains, types, sizes, and conditions, when listed in the spray and/or label.

Plant	Rate	Remarks
Apple	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Blueberry	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Cherry	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Orange	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Peach	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Pineapple	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Strawberry	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Tomato	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Watermelon	2.0 fl. oz. per 100 sq. ft.	Apply when needed for control of insects on fruit.
Other plants	See label for details.	

### STORAGE AND DISPOSAL

Store in a cool, dry place. Do not store in a metal container. Do not use for any other purpose than that intended. Do not use on any plant, variety, strain, type, size, or condition not listed on the label. Do not use on any plant, variety, strain, type, size, or condition not listed on the label. Do not use on any plant, variety, strain, type, size, or condition not listed on the label. Do not use on any plant, variety, strain, type, size, or condition not listed on the label.



MANUFACTURED BY  
Southern MILL CREEK PRODUCTS COMPANY, Inc.  
TAMPA, FLORIDA



**QUALITY  
PESTICIDES**



ACCEPTED  
**Diazinon\* AG 500**  
with COMMENTS  
in EPA Letter Dated:  
**Insecticide**

AUG 2 1983

Complete directions for use Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 6720-193

**IMPORTANT** Read the Directions For Use and the Conditions Of Sale And Warranty before using this product.

**IMPORTANT:** Read the entire Directions for Use and the Notice before using this product.  
**NOTICE:** Seller's guaranty shall be limited to the terms of the label and subject thereto. The buyer assumes all risk to persons or property arising out of the use and handling and accepts the product on these conditions.

**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.

Fish and Wildlife Caution: This product is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not use if it is likely to occur. Do not use on waterways, irrigation 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 during foraging. Protective measures may be required from your Cooperative Agricultural Extension Office.

Keep this and all other containers. Destroy by puncturing and burning. Do not reuse.

**CAUTION INFLAMMABLE MIXTURE DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME Minimum Flash Point 82 F**

Notes

Notes

General Information

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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 on barns or dwellings. Do not use on livestock.

For the directions for use given below, best control is obtained when applications are made at first sign of insects. Applications should be repeated as necessary to maintain control.

**NOTE:** The marketing of raw agricultural commodities having residues in excess of their permitted tolerance for marketing in use for which no tolerances have been set for Diazinon residues will violate Federal Law when shipped in interstate commerce and may violate State Law.

**Almonds**

Mites, Twig Borers. Apply 1-1 1/2 pts. per 100 gals. of water.

Panicle Scales, San Jose Scales. Max 1-1 1/2 pts. Diazinon plus 2-3 pts. of malathion per 100 gals. of water and apply as a dormant spray.

Almond hulls may be used for feeding chickens.

**Apricots**

Aphids, Brown Mites, Pear Mites, Twig Borer, Spider Mites, Olive Scale, Citrus Scale, San Jose Scale, Crawlers. Max 1 pt. per 100 gals. of water plus 1 pt. of natural oil per 100 gals. of water. Apply when scale insects are present.

Apply Malathion. Max 1 pt. per 100 gals. of water. Apply as a dormant spray for scale insects.

Do not apply within 7 days of harvest.

**Blueberries**

Apply Malathion. Max 1 pt. per 100 gals. of water. Apply as a dormant spray for scale insects.