

GENERAL INFORMATION

Harris 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 of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

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

USE PRECAUTIONS

Observe number of days before harvest for last application noted in parenthesis by each food crop. Do not apply when honey bees are foraging in the garden.

FIELD AND FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar application of Harris Diazinon AG 500 should always be applied to field and forage crops as a spray in a minimum of two gals. of water per acre for aerial applications and a minimum of ten gals. of water per acre for ground application. **ALFALFA AND CLOVER** - Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites; Apply 1/4 - 1-pt. per acre. Grasshoppers: Apply 1 pt. per acre. Following the above applications, dairy and beef cattle and sheep [1] may be grazed immediately following application [2] may be fed green alfalfa or clover immediately following cutting, and [3] may be fed hay provided alfalfa or clover not cut for hay for 7 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.

FIELD AND FORAGE SOIL INSECTS

Unless otherwise stated, soil application of Harris 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.

HARRIS

ACCEPTED

AUG 26 1975

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10107-19

DIAZINON AG 500

(4 lbs. Diazinon per gallon)

INSECTICIDE for control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals. For specific insects controlled, refer to label directions.

ACTIVE INGREDIENTS:

+ O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.00 per cent
Xylene 35.37 per cent

INERT INGREDIENTS:

+ Diazinon is the Reg. T. M. of CIBA-GEIGY TOTAL 100.00 per cent

EPA REG. NO. 10107-19
EPA EST. NO. 10107-NB-1

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 and feed. Do not use on humans or household pets. Do not permit children or pets to go on to the sprayed grass until spray has completely dried.

This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

NET CONTENTS: GALLONS

Manufactured for:
HARRIS SERUM & SUPPLY CO., INC.
P.O. Box 104 McCook, Nebr. 68001

READ CAREFULLY
AND FOLLOW ALL
LABEL DIRECTIONS WHEN
USING THIS PRODUCT

Harris Diazinon AG 500 is registered for use on the following crops:

Alfalfa	Grapes	Pole Beans
Almonds	Hops	Potatoes
Apricots	Kale	Prunes
Beets	Kumquats	Radishes
Bermudagrass	Lawns	Rangeland
Blueberries	Lentils	Snap Beans
Broccoli	Lespedeza	Sorghum
Brussels Sprouts	Lettuce	Soybeans
Cabbage	Lima Beans	Spinach
Caneberries	Limes	Squash
Carrots	Melons	Strawberries
Cauliflower	Nectarines	Sugar Beets
Celery	Olives	Sugarcane
Cherries	Onions	Sweet Corn
Clover	Oranges	Swiss Chard
Collards	Ornamentals	Tangelos
Cotton	Parsnips	Tangerines
Cowpeas	Pasture Grass	Tobacco
Cranberries	Peaches	Tomatoes
Cucumbers	Peanuts	Turnips
Endive	Peas	Turnip Tops
Field Corn	Pecans	Walnuts
Figs	Peppers	Watercress
Filberts	Pineapples	(Hawaii only)
Grapefruit	Plums	

PLEASE SEE BOOKLET
ATTACHED TO THIS CONTAINER
FOR COMPLETE LIST OF USE
DIRECTIONS FOR INSECT
CONTROL ON THE ABOVE CROPS

NOTICE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risk of use, storage or handling of this material not in strict accordance with directions given herewith.

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USE PRECAUTIONS

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FIELD AND FORAGE FOLIAR INSECTS

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FIELD AND FORAGE SOIL INSECTS

Unless otherwise stated, soil application of Harris 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.

HARRIS

ACCEPTED

AUG 26 1975

Under the Federal Insecticide, Fungicide and Plant Disease Act as amended, for the pesticide registered under EPA Reg. No. 10107-19

DIAZINON AG 500

(4 lbs. Diazinon per gallon)

INSECTICIDE for control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals. For specific insects controlled, refer to label directions.

ACTIVE INGREDIENTS:

+ O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.00 per cent
Xylene 35.37 per cent

INERT INGREDIENTS:

+ Diazinon is the Reg. T.M. of CIBA-GEIGY TOTAL 100.00 per cent

EPA REG. NO. 10107-19
EPA EST. NO. 10107-NB-1

WARNING - Keep out of reach of children

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This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. 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.

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Alfalfa	Grapes	Pole Beans
Almonds	Hops	Potatoes
Apricots	Kale	Prunes
Beets	Kumquats	Radishes
Bermudagrass	Lawns	Rangeland
Blueberries	Lemons	Snap Beans
Broccoli	Lepedeza	Sorghum
Brussels Sprouts	Lettuce	Soybeans
Cabbage	Lima Beans	Spinach
Caneberries	Limes	Squash
Carrots	Melons	Strawberries
Cauliflower	Nectarines	Sugar Beets
Celery	Olives	Sugarcane
Cherries	Onions	Sweet Corn
Clover	Oranges	Swiss Chard
Collards	Ornamentals	Tangels
Cotton	Parsnips	Tangerines
Cowpeas	Pasture Grass	Tobacco
Cranberries	Peaches	Tomatoes
Cucumbers	Peanuts	Turnips
Endive	Peas	Turnip Tops
Field Corn	Pecans	Walnuts
Figs	Peppers	Watercress
Filberts	Pineapples	(Hawaii only)
Grapefruit	Plums	

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DIRECTIONS FOR INSECT
CONTROL ON THE ABOVE CROPS

NOTICE: Follow label directions for use and method of application, weather, and other conditions. Do not use on crops with the label's not so specified. Incompatible and other adverse factors in the use of this product are beyond the control of the seller. Buyer assumes all risk of use, storage, or handling of this material not in strict accordance with directions given hereon.



DIAZINON AG 500

[4 lbs. Diaxinon per gallon]

Insecticide for control of
certain insects,
on fruits, nuts, vegetables, field
crops, and ornamentals, Complete
Directions for Use.

ACTIVE INGREDIENTS

	PERCENT
+O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimid- inyl) phosphorothioate	48.00
Xylene	35.37
inert ingredients	16.63

Total 100.00

+ Diaxinon is the Reg. T.M. of CIBA-GEIGY

E.P.A Reg. No 10107-19

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USE PRECAUTIONS

Observe number of days before harvest for last application noted in parenthesis by each food crop. Do not apply when honey bees are foraging in the garden.

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

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

Almonds

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

Pariatoria Scales, San Jose Scales: Mix 1-1½ pts. Diaxinon plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray. Almond hulls may be used for feed for livestock.

Apricots [10]

Aphids, Brown Mites, (Clover Mites), Two Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites and scale crawlers first appear. Olive Scale Crawlers: Mix ½ pt. Diaxinon AG 500 plus 1½ gals. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Apricot Mealybugs: Mix 1 pt. per 100 gals. of water. Apply as a cover spray from petal fall to June.

Blueberries [7]

Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two-Spotted Mites: Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre.

Caneberries

[Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries]

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

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

Dryberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. Make a second application when the buds are well developed, but still closed. Do not apply within 7 days of harvest.

Raspberry Crown Borers (Raspberry Root Borers): Apply 2 qts. per acre in a minimum of 100 gals. of water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after the harvest.

Cherries [10]

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 $\frac{1}{2}$ - 1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10 day intervals.

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

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

Cherry Rust Mites: Mix $\frac{1}{2}$ - 1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Citrus Fruits [Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats and Hybrids of these.]

Citrus Aphids, Fruit-free leaf Rollers, Cottony-Cushion Scale Crawlers and Soft Scale Crawlers: Apply $\frac{1}{2}$ - 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 $\frac{1}{2}$ - 1 pt. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 per cent 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 Scales: Apply 1 - 2 pts. per 100 gals. of water (maximum 1000 gals. per acre) as a post bloom spray and again as a summer spray. For heavy snow scale infestations use the higher dosage rate. Thorough coverage of tree trunks, limbs and twigs is essential.

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

Cranberries [7]

Black Headed Fireworms: Apply 2 qts. in 400 gals. of water per acre.

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

Figs [5]

Vinegar Flies (Drosophila spp.), Dried Fruit Beetles: Apply 1 pt. per 100 gals. of water.

Filberts

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

Grapes

Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders: Apply 1 - 2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

Drosophila Spp: Apply 12 - 18 fl. oz. per acre in a minimum of 100 gals. of water as a thorough cover spray, or apply when insects first appear. Make additional applications at weekly intervals as necessary.

Do not apply within 7 days of harvest.

Olives

Olive Scales: Mix $\frac{3}{4}$ - 1 pt. of Diaxinon AG 500 plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July. Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

Peaches [20] and Nectarines [10]

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

Olive Scale Crawlers: Mix ½ pt. of Diazinon AG 500 plus 1½ gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Oriental Fruit Moths: Mix 1 pt. per 100 gals. of water and apply at 100 per cent 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 1½-2 pts. per 100 gals. of water, timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, 2 applications may be necessary.

Pecans

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

PINEAPPLES

Scales: Apply 5 qts. of Diazinon AG 500 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 [10]

Brown Mites (Clover Mites), European Red Mites: Apply 1 pt. per 100 gals. of water. Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply ½ - 1 pt. per 100 gals. of water.

STRAWBERRIES [5]

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 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 mix into the top 1-2 inches of soil immediately.

Strawberry Leaf Rollers: Mix ¾ - 1 pt. per 100 gals. of water. Apply 200 gals. of spray per acre when blossoms show color.

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.

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Beans

[Pole Beans, Snap Beans, Lima Beans]

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

Cucumber Beetles: Apply ¾ pt. in 100 gallons of water per acre.

Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Lima Beans

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

Broccoli [5], Cauliflower [5], Cabbage [7]

Aphids, Diamondback Moths, Imported Cabbageworms: Apply ½ - 1 pt. per acre. Applications at 7 - 10 day intervals will usually be required.

Brussels Sprouts [7]

Aphids, Diamondback Moths, Imported Cabbageworms: Apply 1 pt. per acre. Generally, applications at 7 - 10 day intervals will be required.

Carrots [10]

Aphids: Apply 1 pt. per acre.

Celery [10]

Aphids, Flea Beetles: Apply 1 pt. in 100 gals. of water per acre. plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or forage.

Collards [10], Kale [10], Turnip Tops [10], Swiss Chard [12]

Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs: Apply ½ - 1 pt. per acre.

Cucumbers [7]

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

Lettuce and Endive [10]

Aphids, Dipterous Leaf Miners: Apply $\frac{1}{2}$ - 1 pt. per acre.

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 $\frac{1}{2}$ pts. per acre.

Serpentine Leaf Miners, Thrips: Apply $\frac{1}{2}$ - 1 pt. per acre. Do not apply to melons and winter squash within 3 days, or to summer squash within 7 days of harvest.

Onions [10]

Onion Thrips: Apply 1 pt. per acre.

Peas

Aphids, Leaf Miners: Apply $\frac{3}{4}$ - 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.

Peppers [5]

Aphids, Serpentine Leaf Miners: Apply $\frac{1}{2}$ pt. per acre.

Potatoes [35]

Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners: Apply at the rate of $\frac{1}{2}$ - $\frac{3}{4}$ pt. per acre.

Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply $\frac{3}{4}$ - 1 pt. per acre.

Radishes, Parsnips and Turnips [10]

Aphids, Flea Beetles, Dipterous Leaf Miners: Apply $\frac{1}{2}$ - 1 pt. per acre.

Spinach [10] and Beets [14]

Aphids, Dipterous Leaf Miners: Apply $\frac{1}{2}$ - 1 pt. per acre.

Squash (Summer and Winter)

See Melons and Squash Section.

Sweet Corn

Corn Earworms: Apply 1 - 1 $\frac{1}{4}$ 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 [1]

Aphids, Dipterous Leaf Miners: Apply $\frac{1}{2}$ pt. per acre. To control leaf miners, weekly applications are usually required.

Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms: Apply $\frac{3}{4}$ - 1 pt. per acre.

Vinegar Flies (*Drosophila* spp.): Apply $\frac{1}{2}$ - $1\frac{1}{2}$ pts. per acre. Weekly applications are usually required.

Watercress (Hawaii only) [5]

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.

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Cutworms [Surface and Subterranean]

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

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

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

Broadcast 1 qt. per acre when insects are present. Make applications 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 seed bed or in the field, or before transplanting.

Transplant Water (Drench) Application: Mix $\frac{1}{4}$ - $\frac{1}{2}$ pt. in 50 gals. of transplant water, when 200 - 300 gals. of water are used per acre. May be applied at the rate of $\frac{1}{2}$ - 1 cupful per plant, either by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.

Radishes: Mix 1 qt. in 50 gals. of water. Apply 80 - 100 gals. per acre (1 - 1 $\frac{1}{2}$ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

Wireworms

Broccoli
Brussels Sprouts
Cabbage
Cantaloupes
Carrots

Cauliflower
Celery
Collards
Cucumbers

Endive
(Escarole)
Kale
Lettuce
Lima Beans
Muskmelons
Onions
Parsley
Peas
Peppers

Potatoes
Snap Beans
Spinach
Summer Squash
Sweet Corn
Sweet Potatoes
Swiss Chard
Tomatoes
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.

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 gal. of water per acre for ground application.

Alfalfa and Clover

Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply $\frac{3}{4}$ - 1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

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

Do not spray livestock directly with either air or ground equipment. Do not treat during bloom to avoid injury to pollinating insects.

Clover

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

Corn

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

Corn Rootworm Adults: Apply $\frac{1}{2}$ - 1 pt. per acre.

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

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

Grasshoppers: Apply 1 pt. per acre.

Sap Beetles: Apply 2 - 2 $\frac{1}{2}$ 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 Bugs, Cotton Leafworms, Cotton Leaf Perforators: Apply 1 - 2 pts. in 5 - 25 gals. of water per acre. Repeat as infestation warrants.

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

Hops [14]

Aphids, Mites: Apply 1 qt. per acre.

Sorghum

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

Sorghum Midge: Apply $\frac{1}{2}$ - 1 pt. per acre when 90 per cent 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 1 pt. per acre when infestation first appears and repeat as necessary. (Texas and Oklahoma - Apply $\frac{1}{2}$ - 1 pt. per acre.) Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting of grain.

Sugar Beets

Beet Leafhoppers, Dipterous Leaf Miners, Aphids: Apply $\frac{3}{4}$ - 1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

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

Sugarcane

Aphids: Apply $\frac{1}{2}$ - 1 pt. per acre. Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

Tobacco

Aphids, Flea Beetles: Apply $\frac{1}{2}$ - $\frac{3}{4}$ pt. per acre. Do not apply within 14 days of harvest.

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

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**

Band Application at Planting Time: Apply 1 - 2 qts. per acre. Make application in the seed furrow or apply $2\frac{1}{2}$ - 5 oz per 1,000 linear feet of corn row in a 4 - 7 inch band directly behind the planter shoe. For band treatment refer to the row spacing chart for amounts recommended per acre.

**SUGGESTED RATES ACCORDING TO ROW SPACING
FOR CORN ROOTWORM LARVAE CONTROL**

Row spacing	Linear Feet of Corn row/acre	Rate per acre	
		Planting time application	Postemergence basal treatment
48''	10,890	28-56 oz.	14-28 oz.
42''	12,455	31-62 oz.	15.5-31 oz.
40''	13,068	32-64 oz.	16-32 oz.
		(1-2 qts.)	(½-1 qt.)
38''	13,939	35-70 oz.	17.5-35 oz.
36''	14,250	36-72 oz.	18-36 oz.
30''	17,424	44-88 oz.	22-44 oz.
24''	21,780	55-110 oz.	27.5-55 oz.
20''	26,136	64-128 oz.	32-64 oz.
		(2-4 qts.)	(1-2 qts.)
15''	34,848	88-176 oz.	44-88 oz.

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

Postemergence Basal Treatment: Apply 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.

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 appears 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 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. Through coverage of the foliage is essential. Begin application when small larvae appear. Two or three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest. Livestock (1) may be fed peanut hulls, (2) may be fed peanut forage 7 days following treatment and (3) may be fed peanut hay 21 days following treatment.

Sorghum

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

Soybeans

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

Sugar Beets

Wireworms: Broadcast 3 - 4 qts. per acre just prior to planting, and work into soil 4 - 8 inches immediately. Tops may be fed to beef and dairy animals.

Sugarcane

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

Tobacco

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

Green June Beetle Larvae: Mix $\frac{1}{4}$ pt. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to uprooted areas of plant beds with sprinkling can.

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

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

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

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 may be grazed immediately following application and may be fed green forage immediately following cutting, and forage grasses may be cut for hay 7 days following treatment.

Do not repeat application for 30 days.

32 Range, Pasture and Grasslands Insects

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

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

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) may be fed hay provided grass is not cut for hay for 21 days if the spray is a water solution, or for 30 days if the spray is an oil solution. Do not spray livestock directly with either air or ground equipment. Do not repeat application for 30 days.

Ornamental Insect Control

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

Insects	Rate per 3 gals. water	Rate per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-Spotted Mites, Webworms, Whiteflies.	$\frac{1}{2}$ fl. oz.*	1 pt.*

Insects	Rate per 3 gals. water	Rate per 100 gals. water
Apple-and-Thorn Skeletonizers, Cotton-easter Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1½ fl. oz.	3 pts.

*1 Fl. oz. - 2 tablespoons

16 fl. oz. - 1 pt.

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

Mimosa Webworms: Mix ¼ 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, Millipedes, Sowbugs and Collembola (Springtails) which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2 - 3 ft. Repeat application if necessary.

Boxelder Bugs: Spray bugs outside the home with 1¼ - 2½ fl. oz. (2½ - 5 tablespoons) in 1 gal. water. At the same time, thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Billbugs and White Grubs

Japanese beetle larva, European chafer and Southern chafer

Apply 4 fl. oz. 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 Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.	Use higher rate for longer residual control and in lawns of dense growth.
Ants, Army- worms, Clover Mites, Collem- bola [Spring- tails], Crickets, Cutworms, Dig- ger Wasps, Ear- wigs, Frit Flies, Lawn Billbugs, Sod Webworms [Lawn Moths], Sowbugs	4 fl. oz.	3 gals.	Spot spray and hills and Wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers		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 Scales	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

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

Pine [Seed Orchards, Plantations, Forests]

Arkansas Sawfly (Loblolly Sawfly): Apply $\frac{1}{2}$ 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.

NOTICE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.