ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of the Atlantic Coast waterfowl, do not apply Diazinon AG-500 to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping of spots where waterfowl (ducks or geese), can be expected in the treated area after treatment (except spot treatments), apply at least ¼ inch water immediately after spraying this product, however stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. For terrestrial uses, do not apply Diazinon AG-500 to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources.

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). Exception: If the product is soil-incorporated or soil-injected, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

Coveralls

Chemical-resistant gloves, such as barrier laminate, butyl rubber >14 mils, nitrile rubber >14 mils or viton >14 mils

Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not permit children or pets to go onto treated areas until sprays have dried.

STORAGE AND DISPOSAL

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

Pesticide

Pesticide wastes are toxic. To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, spray mixture, or rinse water into sanitary drains (for example, toilets, floor drains, and sinks) or into storm water sewers (for example, street drains). Improper disposal of excess pesticide, spray mixture, or rinseout is a violation of Federal law. If pesticide, spray mixture or rinseout cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container:

Thoroughly clean container before reuse unless this is a refillable container. If this is a refillable container, and is to be refilled, do not rinse or introduce any pesticide other than Diazinon AG500. Reseal and return the container to an authorized Helena Chemical Company refilling facility. If the container is not to be refilled, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilitate cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

IMPORTANT: Read the entire DIRECTIONS FOR USE and the CONDITIONS OF SALE AND WARRANTY before using this product. If terms are not acceptable, return the unopened product container at once.

GENERAL INFORMATION

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

In the directions for use which follow, best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, since crop of plant injury may result.

Work Safety Rules

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling Diazinon AG500, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label.

Note: The California Department of Agriculture has set a 5-day reentry period for diazinon登记, and neonicotinoids. Five days should elapse 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 organophosphorous pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

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

CHEMIGATION—APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION)—CRANBERRIES ONLY.

Diazinon AG500 may be applied alone or in combination with other pesticides registered for application through sprinkler irrigation systems to cranberries. To insure compatibility, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is compatible. Do not apply this product through any type of irrigation system to other crops. For chemigation, apply this product to cranberries only through sprinkler irrigation systems. Do not apply this product to cranberries through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect the irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut down the system down and make necessary adjustments if the need arises.

Chemigation System Connected to Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be diverted to a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Sprinkler Chemigation

1. The system must contain a functional check valve, a vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Operating Instructions

1. Determine the acreage to be treated by the sprinkler system.

2. Measure the appropriate amount of Diazinon AG500 needed to treat the acreage to be treated. Refer to the specific directions for use for cranberries for the application rate and the amount of water per acre.

3. Add the pre-measured Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Diazinon AG500 is tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.

4. Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.

5. Engage the chemigation injection or venturi system to add the diazinon to the irrigation lines.

6. Continue to run irrigation system for a few minutes after supply tank is empty to allow material in the irrigation lines to reach the sprinkler heads further from the chemigation injection point.

FRUIT AND NUT CROPS

REI—24 HOURS

Diazinon AG500 may be applied using ground or aerial application equipment as specified in the following Table. This Table indicates the minimum amount of water that can be used for various methods of application. The rate of Diazinon AG500 for aerial spray or concentrated spray applied to fruit trees by ground equipment is based on a dilute full cover spray applied with conventional ground equipment at a rate of 300–400 gals. of water per acre. The specific amount of product to be used appears under separate directions for each use for each crop. If the Rate calls for 1 pt. of Diazinon AG500 in 100 gals. of water, this amounts to 3-4 pts. of product per acre when applied at the usual dilute ground spray volumes of 300–400 gals. of water per acre. In no case should the amount of product used per acre exceed the maximum amount per acre per application that is specified in the Timing/Special Directions for individual crops.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Aerial Application Minimum Gals./Acre</th>
<th>Ground Application Minimum Gals./Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dilute</td>
<td>Concentrate</td>
</tr>
<tr>
<td>Almonds*</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Apricots</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Blackberries**</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Boysenberries**</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Cherries</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Cranberries</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>Dewberries**</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Grapes</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Loganberries**</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Nectarines</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Peaches</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Plums</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Prunes</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Raspberries**</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Strawberries</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Walnuts*</td>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

*CA only.

**CA, OR, or WA only.

Observe stated time intervals between last application and harvest, as well as intervals between applications and total amount of product that can be applied per season.

<table>
<thead>
<tr>
<th>Crop</th>
<th>PHI*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almonds</td>
<td>**</td>
</tr>
<tr>
<td>Apricots</td>
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<tr>
<td>Blackberries</td>
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</tr>
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<tr>
<td>Peaches</td>
<td>21</td>
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<tr>
<td>Plums, Prunes</td>
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<td>Raspberries</td>
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<tr>
<td>Strawberries</td>
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</tr>
<tr>
<td>Walnuts</td>
<td>45</td>
</tr>
</tbody>
</table>
**PHI** = Pre-Harvest Interval, or the number of days to wait between the last application and harvest.

**REI** = Registration Expiration Interval, or the number of days after the last application and harvest when residues may still be present.

**Gallons per Acre** = The minimum amount of water that can be used for the various methods of application. The specific amount of water to be used appears under the separate directions for use for each crop. The amount of water per acre for chemigation is permitted. Apply as a spray in sufficient water to assure thorough coverage of the foliage or soil. Repeat application after 7 days if necessary. Consult your local extension agent or pest management adviser. Repeat application every 14 days as needed. A maximum of 4 applications per season is permitted for the 3 sq. ft. rate. A maximum of 6 applications per season is permitted for the 2 qt. rate.

**REI** = Registration Expiration Interval, or the number of days after the last application and harvest when residues may still be present. The amount of water per acre for chemigation is permitted. Apply as a spray in sufficient water to assure thorough coverage of the foliage or soil. Repeat application after 7 days if necessary. Consult your local extension agent or pest management adviser. Repeat application every 14 days as needed. A maximum of 4 applications per season is permitted for the 3 sq. ft. rate. A maximum of 6 applications per season is permitted for the 2 qt. rate.

**SPECIMEN LABEL. UPDATES AVAILABLE AT WWW.GREENBOOK.NET**
Pre-Harvest Intervals (PHI*) for Foliar Applications

<table>
<thead>
<tr>
<th>Crop</th>
<th>PHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turnip Tops</td>
<td>14</td>
</tr>
<tr>
<td>Watermelons</td>
<td>3</td>
</tr>
</tbody>
</table>

*PHI = Pre-harvest Interval or number of days to wait between the last application and harvest.

**NOTES:**
1. Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see TIMINGS/SPECIAL DIRECTIONS) using a rotary hoe, cultivator, disk, harrow, or other suitable means. For control of surface cutworms, incorporate 2-3 inches; for subterranean cutworms (Diatomaceous earth), incorporate 3-6 inches.
2. To Protect Bees: Foliar applications of this product should not be made to peas or beans if these crops or weeds in the treatment area are in bloom, or to corn during the pollen shed period.

BEANS ( Lima, Pole, Snap—succulent only): Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)

**Wireworms**—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. 

Black Bean Aphids, Mexican Bean Beetles, Dipterous Leafminers—1-1 1/2 pts. per acre. Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. 

Mole Crickets—1 pt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. 

Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. 

Dipterous Leafminers—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. 

**NOTE:** Diazinon will not control organophosphorus-resistant leafminers. (2) To protect bees, do not apply foliarily if the crop or weeds in the treatment area are in bloom. 

**Cucumber Beetles**—1/4 pts. per acre. Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. 

Beef 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. Make cucumber beetle application in 100 gallons of water per acre. 

**BEETS, RED (Table): Cutworms**—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. 

**Root Maggots**—2-4 qts. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.

Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. 

**Dipterous Leafminers**—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. 

**NOTE:** Diazinon will not control organophosphorus-resistant leafminers. (2) To protect bees, do not apply foliarily if the crop or weeds in the treatment area are in bloom. 

**CABBAGE**—1 pt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 2-3 inches of soil. 

**NOTE:** Diazinon will not control organophosphorus-resistant leafminers. **(2) To protect bees, do not apply foliarily if the crop or weeds in the treatment area are in bloom.**
CABBAGE: Root Maggots—2-3 qts. per acre. Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. Root Maggots—4-8 ozs. in transplant water. In transplant water—4 to 8 ozs. per plant. Water use is per acre. Apply 1/2 cup (4 to 8 ozs.) per plant or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. NOTE: Transplant water treatments may result in stand reduction due to stress at time of transplanting. Diazinon—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not apply more than 5 applications per season. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.

CORN: Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.

CORN: Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, Corn Earworms—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.

CORN: Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, Corn Earworms—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.

CORN: Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, Corn Earworms—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.

CORN: Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, Corn Earworms—1/2-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

NOTE: Diazinon will control organophosphate-resistant leaffelters.
soil. Aphids, Serpentine Leafminers—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 35 days of harvest or illegal residues may occur.

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**TOPATOES:** Cutworms (Surface & Subterranean)—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Wireworms—3-4 qts. per acre. Broadcast before planting and immediately incorporate into the top 4-8 inches of soil. Southern Potato Wireworms (Southeastern U.S.)—2-4 qts. per acre. For potatoes grown on mineral soils in the Southeast, apply before planting and immediately incorporate into the top 3-6 inches of soil depending on location of wireworms. Aphids, Flea Beetles, Dipterous Leafminers—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 35 days of harvest or illegal residues may occur.

NOTE: Do not use in commercial potato fields which will be harvested for processed market.

**RADDISHES:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 qt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Flea Beetles, Dipterous Leafminers—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur.

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**SQUASH, SUMMER:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leaffhoppers, Spider Mites—1/4-1/2 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur.

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**SQUASH, WINTER:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leaffhoppers, Spider Mites—1/4-1/2 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur.

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**SWEET CORN:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Seed Corn Maggots—1 qt. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Corn Earworms—1-1 1/4 qts. per acre. Apply when silks first appear. Repeat application every 7 days if necessary, every 14 days. Do not make more than 5 applications per season. Corn Rootworm Adults—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Corn Leaf Aphids—1-2 pts. per acre. Apply in sufficient water to provide complete coverage to the upper portions of the plants. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. **Grasshoppers, Spider Mites, Flea Beetles—1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 21 days of harvest.**

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**SWEET POTATOES:** Wireworms, Flea Beetles—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. **Aphids, Imported Cabbage Dijorms, Squashphasmin Bugs—1 1/2 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur.**

**TOMATOES:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1-2 qts. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 1-2 inches of soil. Aphids, Dipterous Leaffminers—1/4 pt. per acre. Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.

NOTE: Diazinon will not control organophosphate-resistant leaffminers. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms—1/4 pt. per acre. Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.

**TURNIPS AND TURNIP TOPS:** Cutworms—2-4 qts. per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets—1 pt. per acre. One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Wireworms—3-4 qts. per acre. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. Aphids, Flea Beetles, Dipterous Leafminers—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.

**FIELD CROPS**

REI—24 HOURS

Soil and foliar applications of Diazinon AG500 should always be applied as a solution of water to ensure high coverage. For foliar applications, observe stated time intervals between last application and harvest, as well as intervals between applications and total number of applications that can be made per season.

Preharvest Interval (PHI*) for Foliar Applications

<table>
<thead>
<tr>
<th>Crop</th>
<th>PHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hops</td>
<td>14</td>
</tr>
<tr>
<td>Sugar Beets</td>
<td>14</td>
</tr>
</tbody>
</table>

*PHI = Pre-Harvest Interval or the number of days between the last application and harvest.

**HOPS:** Aphids, Spider Mites—1 qt. per acre. Apply as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 4 applications per season. Do not apply within 14 days of harvest.

**SUGAR BEETS:** Wireworms—3-4 qts. per acre. Broadcast just before planting. Incorporate into soil 4-6 inches. Do not apply more than 4 qts. of this product to the soil, per season. Beet Leaffhoppers, Dipterous Leafminers, Aphids—1/4-1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. 

NOTE: Diazinon will not control organophosphate-resistant leaffminers.

**GRASSHOPPERS**—1 pt. per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 21 days of harvest.

NOTE: Sugar beet tops may be fed to beef and dairy animals.

**GRASSLAND INSECTS**

**Ditch Banks, Roadsides, Wasteland, Noncrop Areas, Barrier Strips**

Grasshoppers: Apply 1/4-1 pt. per acre in water (minimum of 1 gallon of water per acre) for aerial applications or a minimum of 5 gals. of water per acre for ground application or in oil (a minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential.

Do not graze or use treated grass for forage or feed.

**INSECT CONTROL ON ORNAMENTALS**

REI—12 HOURS

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Russian Sage, Thistle, Viburnum, Willow, and Zinnias, see directions below. Try to spray underside of leaves and penetrate dense foliage. Repeat as necessary.

Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leaffminers, European Pine Shoot Moths, Grasshoppers, Holly Bud Moths, Leaffhoppers, Oak Mole Weevils, Ornamental Leaffhoppers, Privet Mites, Skullcaps, Sedge-Moth, Southern Mite, Cucumber-cushion, Lecanium, Pine Needle, San Jose, Soft, Thrips, Two-spotted Spider Mites, Juniper Weevils, and Whiteflies—Use 1/4 fl. oz. per 200 gallons of water. Apply with a stream or sprayer. Repeat application as necessary, every 7 days, up to two applications per season. Do not use on commercially grown potatoes which will be hand harvested.

**SUGAR BEETS:** Wireworms—3-4 qts. per acre. Broadcast just before planting.

*1 fl. oz. = 2 tablespoons

**16 fl. oz. = 1 pint

Precaution: Do not use on Ferns, Poinsettia, Hibiscus, Papaya, and Gardenia, since injury to the plants may occur.
LAWN PEST CONTROL (EXCLUDING GOLF COURSES AND SOD FARMS)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping of sprays. If waterfowl (ducks or geese), can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least ½ inch of water immediately after application, however, stop watering before puddling occurs.

To control pests listed below, apply recommended rates. Repeat as necessary.

Lawn Chinch Bugs—Use 2-3 fl. ozs. in 3 gals. of water per 1,000 square feet. Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.

Ants, Armyworms, Bermudagrass Mites, Clover Mites, Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs), Springtails (Collembola)—Use 2-3 fl. oz. in 3 gallons of water per 1,000 square feet. Spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when wasps are not active. For frit flies, before treatment mow grass and water well, but delay application until grass is dry. For pillbug control, apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect. Brown Dog Ticks, Chiggers, and Fleas—Use 3 fl. oz. in 3 gallons of water per 1,000 square feet. For brown dog ticks, spray grass and under shrubbery, particularly near house. NOTE: Do not apply to animals. Hyperodes Weevil—Apply 3 fl. oz. in 3 gallons of water per 1,000 square feet. Treat problem areas in mid-April and again in May. Millipedes—Use 3 fl. oz. in 3 gallons of water per 1,000 square feet. For millipedes, spray grass and under shrubbery, particularly near house. NOTE: Do not apply to animals. Rhodgrass Scales—Use 3 fl. oz. in 3 gallons of water per 1,000 square feet. Apply when crawlers first emerge. White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer)—Apply 3 fl. oz. in 3 gallons of water per 1,000 sq. ft. of lawn. Apply any time between late July and early October.

Nuisance Pests in Outside Areas: Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola)—Mix 3 fl. oz. in 3 gallons of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. To prevent entry into houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary. Do not apply to animals. Do not treat plants (other than tree trunks) at this nuisance pest rate.

Conditions of Sale—Limited Warranty and Limitations of Liability and Remedies

Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company’s election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used.

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.