

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**WARNING!**  
May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food. Do not use on humans or permit children to go onto sprayed grass until spray has completely dried. Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go onto sprayed grass until spray has completely dried.

**ENVIRONMENTAL HAZARDS**  
This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Apply this product only as specified on this label. Do not exceed maximum permitted label rates. As rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25" of water immediately after application. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species are likely. Contact your State Fish and Game Agency information pertaining to areas having threatened endangered species. Apply this product only as specified on this label.

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

**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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**RE-ENTRY STATEMENT**

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift  
Do not enter treated areas without protective clothing until spray has dried

**NOTE:** The California Dept. of Agriculture has set a five-day re-entry 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 are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval

Certain states may require more restrictive re-entry intervals. Consult your State Dept. of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated

**STORAGE AND DISPOSAL**

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

**Storage**

Keep in original container. Do not reuse empty container. Store in cool dry place. Protect from excessive heat. For help with any spill, leak, fire or exposure involving this material, call day or night 800-424-9300

**DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes 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 Metal—**Triple rinse (or equivalent). Then offer to recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state or local authorities

**Glass—**Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures



# DIAZINON AG-500

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

<b>ACTIVE INGREDIENTS</b>	By Wt
Diazinon: (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate) .....	48.0%
Xylene .....	39.8%
<b>INERT INGREDIENTS</b> .....	12.2%
<b>TOTAL</b>	<b>100.0%</b>

Western Farm Service DIAZINON® AG 500 contains 4 lbs DIAZINON per gallon

**KEEP OUT OF REACH OF CHILDREN  
WARNING — AVISO**  
**FOR AGRICULTURAL USE ONLY. DO NOT STORE IN AREAS ACCESSIBLE TO CHILDREN.**  
**PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicada ampliamente**  
**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**FIRST AID TREATMENT  
STATEMENT OF PRACTICAL TREATMENT**

**I. Swallowed,** call a physician immediately. **DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE.** Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.  
**If Inhaled,** remove victim to fresh air and apply artificial respiration if indicated.  
**If In Skin,** wash promptly with soap and water. Rinse thoroughly.  
**If In Eyes,** rinse eyes for at least 15 minutes with water and call a physician immediately.  
**NOTE TO PHYSICIAN:** Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.



In Accordance with PR Notice 82-2.

ROOT MAGGOTS Based on Draft Labeling Dated 9/23/85

PLUMS AND PRUNES. Brown Meas (Cover Meas) European Pear Meas - Apply 1 pt per 100 gals of water. Leaf Curl Plum Aphids, Mealy Plum Aphids, Nettle Aphids - Apply 1/2 to 1 pt per 100 gals of water. Do not apply within ten days of harvest.

STRAWBERRIES. Aphids Two-Spined Sucker Meas - Apply 1 pt per 100 gals of water per acre. Cyclamen Meas - Apply 1/2 pt per 100 gals of water per acre. Direct spray to plant crowns. Plants should be sufficiently irrigated to assure thorough coverage of the foliage. Make additional applications if necessary. After harvest, Mealy Crickets - Broadcast 1 pt per acre when insects are present. Apply one to two days before transplanting and mix into the top 1 to 2 inches of soil immediately. Strawberry Leaf Beetles - Mix 1/2 to 1 pt per 100 gals of water. Apply 200 gals of spray per acre when blossoms show color. Do not apply within five days of harvest.

WALNUTS. Aphids Meas - Apply 1 pt per acre as a foliage spray in a minimum of 100 gals of water. Coaling Meas, Scale Crawlers, Walnut Caterpillars - Apply 3 pts per acre as a foliage spray in a minimum of 100 gals of water. Do not apply after the nuts open.

VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of DIAZINON AG 500 should always be applied to vegetable crops as a spray in a minimum of 2 gals of water per acre for aerial applications and a minimum of 10 gals of water per acre for ground applications.

BEANS (POLE BEANS) SNAP BEANS, (LIMA BEANS) Black Bean Aphids, Mexican Bean Beetles, Leaf Miners - Apply 1 to 1 1/2 pts per acre. Cucumber Beetles - Apply 1/2 pt in 100 gals of water per acre. Do not apply within seven days of bean harvest. Bean foliage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment if foliage is to be cut for hay.

LIMA BEANS. Deterious Leaf Miners, Leafhoppers, Meas - Apply 1 pt per acre. Do not apply within seven days of harvest. Bean foliage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment if foliage is to be cut for hay.

BROCCOLI CABBAGE AND CAULIFLOWER Aphids, Diamondback Moths, Imported Cabbage Worms - Apply 1 to 2 pts per acre. Applications at seven to ten day intervals will usually be required. Do not apply to broccoli or cauliflower within five days of to cabbage within seven days of harvest.

BRUSSELS SPROUTS. Aphids, Diamondback Moths, Imported Cabbageworms - Apply 1 pt per acre. Generally applications at seven to ten day intervals will be required. Do not apply to brussels sprouts within seven days of harvest.

CABBAGES. 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 1/2 to 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, Deterious Leaf Miners - Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH (CANTALOUPE, CASABA, CRENSHAW, HONEYDEW MELONS, MUSK-MELONS, PERSIAN MELONS, AND HYBRIDS OF THESE, WATERMELONS AND THEIR HYBRIDS, SUMMER AND WINTER SQUASH). Aphids, Leafhoppers, Meas - Apply 1 to 1 1/2 pts per acre. Serpentine Leaf Miners, Thrips - Apply 1/2 to 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 (Phonias and Sciarid) - Mix 1/2 to 1 gal in 50 gals of water (0.5% to 1.0% actual DIAZINON) and spray on outside and inside walls and hemispheres of mushroom houses after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of bed posts, soles and door frames after pasteurizing, mix 1/2 of in 6 gals of water and apply with a brush. Do not treat compost.

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

PEAS. Aphids, Leaf Miners - Apply 1/2 to 1 pt per acre. Peas may be picked immediately. Foliage and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if foliage is to be cut for hay.

PEPPERS. Aphids, Serpentine Leaf Miners - Apply 1/2 pt per acre. Do not apply within 5 days of harvest.

POTATOES. Aphids, Flea Beetles, Colorado Potato Beetles, Deterious Leaf Miners - Apply at the rate of 1/2 to 1 pt per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms - Apply 1/2 to 1 pt per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS AND TURNIPS. Aphids, Flea Beetles, Deterious Leaf Miners - Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.

SPINACH AND BEETS. Aphids, Deterious Leaf Miners - Apply 1/2 to 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 to 1 1/2 pts per acre when silks first appear. Two or three repeat applications at 2 to 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 Four Insects and Field and Forage Soil Insects.

TOMATOES. Aphids, Deterious Leaf Miners - Apply 1/2 pt per acre. To control leaf miners, weekly applications are usually required. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms - Apply 1/2 to 1 pt per acre. Vinegar Flies (Drosophila spp.) - Apply 1/2 to 1 1/2 pts per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

WATERCRESS (HAWAII ONLY). Cyclamen Meas - Mix 1 pt per 100 gals of water and apply to one acre as a thorough cover spray. Spray should be directed into the crowns and growing tips of plants. If infestation is heavy, make a second application no later than 10 days after the first application. Repeat applications as necessary. Do not apply within 5 days of harvest.

VEGETABLE SOIL INSECTS

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

CUTWORMS (Surface and Subterranean) table with columns for Crop, Insect, and Application Rate.

Broadcast 2.4 dts 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 (Colebeetles) table with columns for Crop, Insect, and Application Rate.

Broadcast 10 dts per acre just prior to planting. Work into soil 4.8 inches immediately. This pre-plant treatment will also control later soil insects such as cutworms (surface and subterranean), root cutworms, root maggots, and wireworms.

MOLE CRICKETS table with columns for Crop, Insect, and Application Rate.

Broadcast 1 pt per acre when insects are present. Make applications to plant beds or field 1-2 days prior to sowing of seed or transplanting and working into soil 1-2 inches immediately.

ONIONS. Onion Root Maggot - Apply 1 pt per acre in sufficient water to drench the soil before at planting time. Broadcast Application: Broadcast 2.4 dts per acre just prior to planting. Work into soil 3.4 inches immediately.

BRUSSELS SPROUTS, CABBAGE AND CAULIFLOWER. Broadcast Application - Broadcast 2.3 dts per acre and immediately work into soil 3.4 inches before seeding either in the seedbed or in the field or before transplanting. Transplant Water (Drench) Application - Mix 1/2 to 1 pt in 50 gals of transplant water when 200-300 gals of water are used per acre. May be applied at the rate of 1/2 to 1 cup per plant either by hand or by tractor mounted sprayer equipped with grid 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 1/2 to 1 pt in 50 gals of water. Apply 80-100 gals per acre in 1 to 1 1/2 gals per 1,000 linear feet of row in the seed furrow at planting time.

WIREWORMS table with columns for Crop, Insect, and Application Rate.

Broadcast 3 to 4 pts per acre prior to planting and work into soil 4 to 6 inches immediately. POTATOES. Wireworms - Broadcast 3 to 6 pts per acre prior to planting. Immediately disk or harrow into soil 4 to 6 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 to 4 dts per acre as a soil treatment prior to planting and immediately mix thoroughly by disk or other suitable means into the top 3 to 6 inches of soil depending on location of wireworms.

FIELD AND FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar applications of DIAZINON AG 500 should always be applied to field and forage crops as a spray in a minimum of 2 gals of water per acre for aerial applications and a minimum of 10 gals of water per acre for ground applications.

ALFALFA AND CLOVER. Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug, Armyworms, Meas - Apply 1/2 to 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 produced from alfalfa or clover is not cut for hay for seven days following treatment. Alfalfa Weevil Larvae - For control in the spring, apply 2 to 3 pts per acre when feeding damage to growing tops becomes evident. Repeat application if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for two days. Do not cut for hay for ten 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.

CLVER. Striped Ground Crickets - Broadcast 1 to 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 1/2 to 1 pt per acre. Corn Leaf Aphids - Apply 1 to 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 infestations first appear. Repeat applications as necessary. Grasshopper - Apply 1 pt per acre. Saw Beetles - Apply 2 to 2 1/2 pts per acre. Add 1 to 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. Sucker Meas, Aphids, Leafhoppers, Lygus, Cotton Leafworms, Cotton Leaf Perforators - Apply 1 to 2 pts in 5 to 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 crop wastes to livestock.

HOPE. Aphids, 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 1/2 to 1 pt per acre when 30% of heads have emerged from the boot. Repeat application within ten days. Meas - 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 1/2 to 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 seven days of harvesting for grain.

SUGAR BEETS. Leafhoppers, Deterious Leaf Miners, Aphids - Apply 1/2 to 1 pt per acre. Grasshoppers - Apply 1 pt per acre. NOTE: Tops may be fed to dairy and beef animals.

SUGARCANE. Aphids - Apply 1/2 to 1 pt per acre. Allow one day between last application and harvest. Bagasse and forage may be fed to livestock.

TOBACCO. Aphids, Flea Beetles - Apply 1/2 to 1 pt per acre. Do not apply within three days of harvest. Grasshoppers - Apply 1 pt per acre. Do not apply within 14 days of harvest.

FIELD AND FORAGE SOIL INSECTS

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

ALFALFA AND CLOVER. Cutworms (Surface and Subterranean) - Broadcast 2.4 dts 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 2 dts per acre. Make application in the seed furrow or apply 2 1/2 to 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 amount recommended per acre. Pre-emergence Insect Treatment: Apply 1/2 to 2 1/2 pts per 1,000 linear feet of corn row in sufficient water to thoroughly wet base of corn plants 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 harrow or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae. Cut no 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

Table with columns: Row Spacing, Linear Feet of Corn Row/Acre, Rate Per Acre (Planting Time Application), Post-emergence Bait Treatment.

NOTE: For row spacing not listed, calculate the appropriate dosage based on the 40-inch row figure. Seed Corn Maggots - Broadcast 2.4 dts per acre just prior to planting. Work into soil 2.3 inches immediately. Cutworms (Surface and Subterranean) - Broadcast 2.4 dts per acre just prior to planting. Cutworms apply just prior to planting or when larvae first appear and work into soil 1-2 inches immediately. Do not apply later than larval. For subterranean cutworms apply just prior to planting and work into soil 3.6 inches immediately. Wireworms - Apply 1/2 to 1 pt per acre just 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.

COFFEES. Cutworms (Surface and Subterranean) - Broadcast 2.4 dts per acre just prior to planting. Work into the soil immediately 2.3 inches for surface cutworms, 3.6 inches for subterranean cutworms.

