



RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY
 For retail sale to and use by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

PULIS
 EPA # 11656-18
 PG 10/3
 CLF 9/11/89

DIAZINON AG-500

For Agricultural or Commercial Use Only For control of certain insects on fruits, nuts, vegetables, field crops and ornamentals.

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOG FARMS

ACTIVE INGREDIENTS
 Diazinon: (0,0-diethyl 0(2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)..... 48.0%
INERT INGREDIENTS..... 52.0%
TOTAL 100.0%

Contains Xylene Range Solvent

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
 If 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 On Skin, wash promptly with soap and water. Wash 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 0-PAM are specific antidotes.

WESTERN FARM SERVICE, INC.
 3073 Citrus Circle, Suite 195
 Walnut Creek, CA 94598
 EPA Reg. No. 11856-18

NET CONTENTS: _____ GALLONS:
 Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

PRECAUTIONARY STATEMENTS
 Hazards to Humans & Domestic Animals

WARNING!
 May be fatal if swallowed. May be absorbed through skin. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions results consult a physician. 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 food 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 birds, fish and wildlife including waterfowl. Birds and waterfowl feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product in Nassau County, New York between November 1 and May 20. 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 inch 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 watercrest 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 is likely. Contact your State Fish and Game Agency for information pertaining to areas having threatened endangered species.

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 blowing 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.

IRRIGATION PROHIBITION
 Do not apply this product through any type of irrigation system.

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.

REENTRY STATEMENTS

Do not enter treated areas until a 24 hour reentry interval has expired, unless the person entering the area is wearing the personal protective equipment listed on the label.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers may be in the area during application. The area being treated must be vacated by unprotected persons.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product.

NOTE: The California Dept. of Agriculture has set a five-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 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 reentry interval, 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 info on any spill, leak, fire or exposure involving this material, call 1-800-368-5888.

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 properly according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Response Team (800) 424-9303, for guidance.

Container Must Be Triple Rinsed (or equivalent). Transfer for recycling or reconditioning, for puncturing and disposal in a sanitary landfill, or by other procedures approved by state or local authorities.

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

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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.
 If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is a danger of drift. 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.

PERSONAL PROTECTIVE EQUIPMENT
 WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT WHEN HANDLING THE CONCENTRATE: A protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet; chemical resistant gloves, chemical resistant apron, chemical resistant shoes, shoe coverings, or boots, and socks.
 WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING APPLICATION, EQUIPMENT CLEANING AND REPAIR, DISPOSAL OF SPRAY SOLUTION, AND DURING REENTRY TO TREATED AREAS PRIOR TO THE SPRAYS HAVING DRIED (OR DUSTS HAVING SETTLED): A protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet; chemical resistant gloves, chemical resistant shoes, shoe coverings, or boots and socks.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING MAY BE WORN AS AN ALTERNATIVE: a long-sleeved shirt, long-legged pants, shoes and socks. Chemical resistant gloves must be available in the cab or cockpit and must be worn when exiting. This clothing is inadequate to protect you during equipment repair, cleaning, reentry, or pesticide disposal work.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face, and arms before smoking, eating, drinking, or using the toilet.

AFTER WORK ACTIVITIES: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear clean clothes. Do not reuse contaminated clothing. Personal clothing worn during work must be laundered separately from household articles. Store protective clothing separately from personal clothing after each use. Clothing and personal equipment heavily contaminated or drenched with diazinon must be destroyed according to state and local regulations.

HEAVILY CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED DURING AERIAL APPLICATION. HUMAN FLAGGERS MUST BE IN TOTALLY ENCLOSED VEHICLES.

NOTICE OF WARRANTY
 WESTERN FARM SERVICE MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.
 DIAZINON® is the registered trademark of CIBA-Geigy Corporation.

SEE PACKAGED LABEL FOR DIRECTIONS FOR USE

USE DIRECTIONS

FRUIT AND NUT CROPS

ALMONDS: Mites, Twig Borers — Apply 1 to 1½ pts. per 100 gals. of water. Parasitic Scales, San Jose Scales — Mix 1 to 1½ pts. DIAZINON plus 2 to 4 gals. dormant oil per 100 gals. water and apply as a dormant spray. Almond hulls may be used for food for livestock.

APRICOTS: Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers — Mix 1 pt. per 100 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. Do not apply within ten days of harvest.

BLUEBERRIES: 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. Do not apply within seven days of harvest.

CANEBERRIES (BLACKBERRIES, RASPBERRIES, BOYSBERRIES, BEYONNIES, 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. Raspberry Mites — Apply 1 to 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 seven days of harvest. Raspberry Crown Borer (Raspberry Root Borers) — Apply 2 qts. per acre in a minimum of 100 gals. water as a drench to the crown area and to the lower canes. Apply either in the spring before borers begin to feed or in the fall after harvest.

CHERRIES: Eye Spotted Bud Moths, Fruit-Free 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 three to five applications beginning as petal fall and continuing through the growing season, or apply as infestations develop. Cherry Fruit Flies — Mix ½ to 1 pt. per 100 gals. of water. Make three or four applications, beginning when adult cherry fruit flies begin to emerge and repeat at ten-day intervals. Black Cherry Aphids — Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after ten days. San Jose Scale Crawlers — Mix 1 pt. per 100 gals. of water. Apply during the pre-bloom stage or when crawlers first appear. Do not apply within ten days of harvest. Cherry Root Mites — Mix ½ to 1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS (GRAPEFRUIT, LEMONS, LIME, ORANGES, TANGELOS, TANGERINES, CITRUS CITRUS, KUMQUATS, AND HYBRIDS OF THESE): Citrus Aphids, Fruit-Free Leaf Rollers, Citrus-Cushion Scale Crawlers and Soft Scale Crawlers — Apply ½ to 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-Free Leaf Rollers — Use ½ to 1 pt. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring. Citrus Thrips — Apply 1 pt. in 100 gals. of water (maximum 1000 gals. per acre) when thrips first appear. Citrus Snow Scales — Apply 1 to 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: Black-headed Fireworm (Sparganathus sulfureus) — Apply 2 qts. in 400 gals. of water per acre. Cranberry Fruitworm — Apply 3 qts. in 400 gals. of water per acre. Do not apply within seven days of harvest.

FIGS: Vinegar Flies (Drosophila spp.), Dried Fruit Beetles — Apply 1 pt. per 100 gals. of water. Do not apply within five days of harvest.

FLIBERTS: Fibert Leaf Rollers, Aphids — Apply 1 to 2 qts. in 250 to 400 gals. of water per acre, as a thorough cover spray.

GRAPES: Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Rollers — Apply 1 to 2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 10 days of harvest. Drosophila spp. — Apply 12 to 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 seven days of harvest.

OLIVES: Olive Scales — Mix ¼ to 1 pt. of DIAZINON AG-500 plus 1½ gals. of light medium horticultural oil per 100 gals. of water. Apply as a cover spray in June or July. Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

PEACHES AND NECTARINES: Aphids, Brown Mites (Clover Mites), Two Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers — Mix 1 pt. per 100 gals. of water. Apply when aphids, mites and scale crawlers first appear. 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% petal fall. Make two additional applications at ten to fifteen-day intervals. Time the last application to post 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 three to five applications beginning as 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 to 2 pts. per 100 gals. of water timed to coincide with peach crawler and immature scale activity. Under conditions of heavy infestations, two applications may be necessary. Do not apply to peaches within 20 days, or to nectarines within ten days of harvest.

PECANS: Aphids, Mites, Pecan Nut Case Bearers, Walnut Caseborers — Apply 1 to 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 vegetable 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 torax and refuse may be fed to livestock seven days following last application.

PLUMS AND PRUNES: Brown Mites (Clover Mites), European Red Mites — Apply 1 pt. per 100 gals. of water. Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids — Apply ½ to 1 pt. per 100 gals. of water. Do not apply within ten days of harvest.

STRAWBERRIES: 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 irrigated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest. Mite Crickets — Broadcast 1 qt. 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 Rollers — Mix ¼ 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, Mites — Apply 1 qt. per acre as a foliage spray in a minimum of 100 gals. of water. Cottony Scale, Scale Crawlers, Walnut Caseborers — Apply 3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after the husks open.

within 10 days of harvest. Points should be marked (steps removed) before being shipped or used. Tops should not be used for food or feed.

COLLARDS, KALE, SWISS CHARD, AND TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms — Apply ½ 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, Diporous Leaf Miners — Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH (CANTALOUPE, CASABAS, CRENSHAW, HONEYDEW MELONS, MUSHMELONS, PERSIAN MELONS, AND HYBRIDS OF THESE; WATERMELONS AND THEIR HYBRIDS; SUMMER AND WINTER SQUASH): Aphids, Leafhoppers, Mites — Apply 1 to 1½ pts. per acre. Serpentine Leaf Miners, Thrips — Apply ½ 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 (Phorids and Sciarids) — Mix ¼ to 1 gal. in 50 gals. of water (0.5% to 1.0% actual DIAZINON) and spray on outside and inside walls and ventilators of mushroom houses, after compact on beds has been pasteurized by heating. Do not spray compact in beds or after spawning. To treat wooden sashes of bed, posts, doors and door frames after pasteurizing, mix ½ pt. in 6 gals. of water and apply with a brush. Do not treat compact.

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

PEAS: Aphids, Leaf Miners — Apply ½ to 1 pt. per acre. Peas may be picked immediately. Pea vines and pea straw may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if storage is to be cut for hay.

Do not apply if the crop or weeds in the treatment area are in bloom.

PEPPERS: Aphids, Serpentine Leaf Miners — Apply ½ pt. per acre. Do not apply within 5 days of harvest.

POTATOES: Aphids, Flea Beetles, Colorado Potato Beetles, Diporous Leaf Miners — Apply at the rate of ½ to 1 pt. per acre. Banded Cucumber Beetles, Leaf Miners, Southern Armyworms — Apply ½ to 1 pt. per acre. Do not apply within 35 days of harvest.

Note: Do not apply to commercially grown potatoes which will be hand-harvested.

RADISHES, PARSNIPS AND TURNIPS: Aphids, Flea Beetles, Diporous Leaf Miners — Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH AND BEETS: Aphids, Diporous Leaf Miners — Apply ½ 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 Earworm — Apply 1 to 1½ qts. 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 storage may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage Foliage Insects and Food and Forage Soil Insects.

Do not apply to corn during the pollen shed period.

TOMATOES: Aphids, Diporous Leaf Miners — Apply ½ pt. per acre. To control leaf miners weekly applications are usually required. Banded Cucumber Beetles, Flea Armyworms, Southern Armyworms — Apply ½ to 1 pt. per acre. Vinegar Flies (Drosophila spp.) — Apply ½ to 1½ pts. per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

WATERCRESS (HAWAII ONLY): 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. 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):

Broccoli	Collards	Mushmelons	Spinach
Brussels Sprouts	Cucumbers	Parsley	Summer Squash
Cabbage	Endive (escarole)	Peas	Sweet Corn
Cauliflower	Kale	Peppers	Spring Chard
Caiflower	Lettuce	Tomatoes	Tomatoes
Celery	Lima Beans	Turnips	Watermelons
		Winter Squash	

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 (Conidpodus):

Cabbage	Lettuce	Radishes	Turnips
Carrots	Peas	Red Beets	Turnips
Corn	Pole Beans	Winter Squash	

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

MOLE CRICKETS:

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

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 working into soil 1-2 inches immediately.

MOLE MARCHANTS:

Beets.

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

BEANS (POLE BEANS, SNAP BEANS, LIMA BEANS): Black Bean aphids, Mexican Bean Beetle, Leaf Miners — Apply 1 to 1½ pts. per acre. Cucumber Beetle — Apply ½ pt. in 100 gals. of water per acre. Do not apply within seven days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment of forage or to be cut for hay.

Do not apply if the crop or weeds in the treatment area are in bloom.

LIMA BEANS: Dependent Leaf Miners, Leafhoppers, Mites — Apply 1 pt. per acre. Do not apply within seven days of harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment of forage or to be cut for hay.

Do not apply if the crop or weeds in the treatment area are in bloom.

BROCCOLI, CABBAGE AND CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbageworms — Apply ½ to 1 pt. per acre. Applications at seven to ten-day intervals will usually be required. Do not apply to broccoli or cauliflower within five days, or 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.

CABBOTS: Aphids — Apply 1 pt. per acre. Do not apply within 10 days of harvest.

Apply 1 qt. per acre in 50 gals. of 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.

BEST HABBITS:

Broccoli, Brussels Sprouts, Cabbage and Cauliflower:

Broadcast Application — Broadcast 2-3 qts. 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 ½ to ½ pt. in 50 gals. of transplant water when 200-300 gals. of water are used per acre. May be applied at the rate of ½-1 cupful per plant, either by hand or by tractor equipped sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stony reduction due to plant stress at time of transplanting. Rate: 1 qt. in 50 gals. of water. Apply 80-100 gals. per acre (1 to 1½ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS:

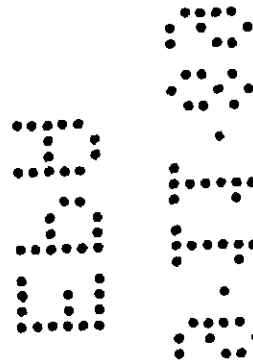
Broccoli	Cucumbers	Onions	Summer Squash
Brussels Sprouts	Cucumbers	Parley	Sweet Corn
Cabbage	Endive (escarole)	Pean	Sweet Potato
Cantaloupe	Kale	Peppers	Swiss Chard
Carrots	Lettuce	Potatoes	Tomatoes
Cauliflower	Lima Beans	Snap Beans	Watermelons
Celery	Mushrooms	Spruce	Winter Squash

Broadcast 3 to 4 qts. per acre prior to planting and work into soil 4 to 6 inches immediately.

POTATOES: Wireworms — Broadcast 3 to 6 qts. 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 on potatoes grown in several states in the Southeast, apply 2 to 4 qts. per acre as a soil treatment prior to planting, and immediately run thoroughly by disk or other suitable means into the top 3 to 6 inches of soil, depending on location of wireworms.

Note: Do not apply to commercially grown potatoes which will be hand-harvested.

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FIELD AND FORAGE FOLIAR INSECTS

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

ALFALFA AND CLOVER: Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites — Apply 1/4 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 provided 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 legs 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.

Do not apply if the crop or weeds in the treatment area are in bloom.

CLOVER: 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. Mites — Apply 1 pt. per acre when mites first appear. Repeat applications as necessary. Grasshopper — Apply 1 pt. per acre. Sap Beetles — Apply 2 to 2 1/2 pts. per acre. Add 1 to 2 gals. of solvent 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.

Do not apply to corn during the pollen shed period.

COTTON: Spider Mites, Aphids, Leafhoppers, Lygids, 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 gin wastes to livestock.

HOPS: Aphids, Mites — Apply 1 qt. 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 Midges — Apply 1/2 to 1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within four days. Mites — Apply 1 pt. per acre when infestation first appears and repeat applications as necessary. Greenbug — Apply at the rates indicated below when infestation first appears and repeat as necessary. Texas and Oklahoma — Apply 1/2 to 1 pt. per acre. All Other Areas — Apply 1 pt. per acre. Crag may be fed to livestock immediately following treatment. Do not apply within seven days of harvesting for grain.

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

SUBSARICANE: Aphids — Apply 1/2 to 1 pt. per acre. Allow one day between its application and harvest. Bagasse and forage may be fed to livestock.

TOBACCO: Aphids, Flea Beetles — Apply 1/2 to 1/4 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 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 1/2 to 5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter. Use for band treatment refer to the row spacing chart for amount recommended per acre. Postemergence Band Treatment: Apply 1 1/4 to 2 1/4 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 harrow or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae, but no later than June 25 in the Middle Corn Belt, or July 1 in the Northern Corn Belt.

Suggested Rates According to Row Spacing for Corn Rootworm Larvae Control

Row Spacing	Linear Feet of Corn Row/Acre	Rate Per acre Planting Time Application	Postemergence Band Treatment
48"	10,890	28-56 oz.	14-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,064	32-64 oz. (1-2 qts.)	16-32 oz. (1/2-1 qt.)
36"	13,938	35-70 oz.	17.5-35 oz.
36"	14,250	36-72 oz.	18-36 oz.
30"	17,474	44-88 oz.	22-44 oz.
24"	21,788	55-110 oz.	27.5-55 oz.
20"	26,136	64-128 oz. (2-4 qts.)	32-64 oz. (1-2 qts.)
15"	34,848	88-176 oz.	44-88 oz.

NOTE: For row spacing not listed, calculate the appropriate dosage based on the 48-inch row figure.

Seed Corn Maggots — Broadcast 2-4 qts. per acre just prior to planting. Work into soil 2 inches immediately. Cutworms (Surface and Subterranean) — Broadcast 2-4 qts. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 1-2 inches immediately. Do not apply later than 14 days. For subterranean cutworms apply just prior to planting and work into soil 3-6 inches immediately. Wireworms — Apply 2-4 qts. 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.

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.

RANGE, PASTURE, AND GRASSLAND INSECTS

Unless otherwise stated, DIAZINON AG-500 should always be applied as a spray in a minimum of 1 gal. of water per acre for aerial applications, and a minimum of 5 gals. of water per acre for ground applications.

BERMUDAGRASS AND FORAGE GRASSES (other than Range and Pasture Grasses): Thrips, Whiteflies, Grasshoppers — Apply 1 pt. per acre. Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) forage grasses may be cut for hay 7 days following treatment.

RANGELAND, PASTURE, BITCH BANKS, BRABENSES, WASTELAND, NONCROP AREAS, AND BARRIER STRIPS: Grasshoppers — Apply 1/2-1 pt. per acre in water or oil (minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage 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 28 days if the spray is an oil solution. Do not spray livestock directly with either air or ground equipment. Do not repeat application for 70 days.

ORNAMENTAL INSECT CONTROL

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camelia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Larch, Locust, Magnolia, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Yew, apply the recommended rates indicated below.

INSECTS	Rate per 3 gals. water	Rate per 100 gals. water
Aphids, Bagworms, Carnation Bud Moths, Carnation Shoot Moths, Clover Mites, Cyclamen Mites, Oviparous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Oviparous Leaf Tiers, Pinet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle, San Jose Scale, Soft Scale), Thrips, Two-Spotted Mites, Webworms, Whiteflies	1/2 fl. oz.*	1 pt.*
Apple-Thorn Skeletonizers, Coloradoan Webworms, Fall Webworms, Hemlock Chermes, Oak Leppers, Oblique-banded Sawfly, Pear Slugs, Tent Caterpillars	1 1/2 fl. oz.	3 pts.

* 1 fl. oz. = 2 tablespoons
16 fl. oz. = 1 quart

Do not use on certain forms, Penstemon, Helioscous, Papaya, Pear, and Cardamom, since injury to the plants may occur.

Useless Webworms — Mix 1/2 fl. oz. in 1 gallon of water (or 1 pt. @ 100 gals. of water) and apply as a thorough foliage spray when adult first appear. Make a second and third application at 4-5 week intervals.

Lawn Pest Control (Excluding Golf Courses and Sod Farms)

To control pests listed below, apply recommended rates. For control of Ants, Brown Dog Ticks, Clover Mites, Earwigs, Fleas, Millipedes, Sowbugs, Springtails (Collembola), 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.

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Advise this producer 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 15. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overfertilizing of lawns. If waterfowl, i.e., ducks, geese can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 8 1/2 inch water immediately after application, however view watering before puddling occurs.

Pests	Rate/1,000 sq. ft.		Remarks
	Diazinon AG500	Water	
Lawn Chinch Bugs	2-3 fl. oz.	3 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Springtails (Collembola), Crickets,			Spot spray ant hills and deep ground nest openings.
Cutworms, Digger Wasps, Earwigs, Fire Flies, Lawn Billbugs, Sod Webworm (Lawn Moth), Sodworms	2-3 fl. oz.	3 gals.	For fire flies, sow grass and water well. Apply treatment before application until grass is dry.

PEANUTS: Cutworms — Apply 2 qts per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin application when small larvae appear. Two or three 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.

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.

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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 furrows at covering time.

TOBACCO: Cutworms — Broadcast 2-3 qts per acre before transplanting and work into the soil 2-4 inches immediately. Green June Beetle Larvae — Mix 1/4 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 cans. Male Crickets — Broadcast 1 qt per acre when insects are present. Make application to beds or holes 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.

Bermudagrass Niggs, Chiggers, Flies, Leafhoppers			For brown dog ticks, spray grass and under shrub- bery, particularly near house.
Millipedes	1 fl. oz.	1 gal.	
Rhodgrass, Seal	1 fl. oz.	1 gal.	Apply when crawlers first emerge.

Billbugs, White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer): Apply 1 fl. oz. per 1,000 sq. ft. of lawn. 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.

Supercold Weevil (New York only): Apply 1 fl. oz. per 1,000 sq. ft. of grass. Treat problem areas in mid-April and again in mid-May.

Boxelder bugs: Spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (1 1/2-3 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.

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