

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 829-262	DATE OF ISSUANCE SEP - 2 1988
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT SA-50 Brand Diazinon AG500 Insecticide	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Southern Agricultural Insecticides, Inc.
 P.O. Box 210
 Palmetto, FL 33561

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered under FIFRA section 3(c)(7)(C) provided that you:

1. Submit/keep all data needed for registration/ reregistration of your product under FIFRA section 3(c)(7)(C) when the Agency requires all registrants of similar products to submit such data.
2. Keep the labeling for your product up to date and the Agency notified.
3. Announce to the Agency any change in the labeling of your product.
4. Submit/keep a copy of the labeling for your product (see the Agency's 7-83).

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL *[Signature]* DATE 9/2/88



f. Add an asterisk to INERT INGREDIENTS* and a footnote "**Contains xylene range aromatic solvent."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

Reg no: 892

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND 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 or feed. Keep out of reach of domestic animals. Do not use on humans, pets, or livestock. Do not permit children or pets to go on sprayed grass or contact sprayed surfaces until spray has completely dried.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and wildlife including waterfowl. Birds and waterfowl feeding or roosting 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 02 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 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 the 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 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 AND CHEMICAL HAZARDS: Combustible liquid. Do not use, pour, spill or store near heat or open flame.

**DIAZINON AG 500
INSECTICIDE**

FOR AGRICULTURAL AND COMMERCIAL USE
THIS PRODUCT MUST NOT BE USED
ON GOLF COURSES AND SOD FARMS

FOR THE CONTROL OF CERTAIN INSECTS ON FRUITS, NUTS, VEGETABLES, CROPS, LAWNS AND ORNAMENTALS

ACTIVE INGREDIENT: DIAZINON, O,O-Diethyl
O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate
Inert Ingredients:
Total:
Diazinon AG500 contains 4 lbs. diazinon per gallon.

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

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto a que la etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician immediately. **DO NOT INDUCE VOMITING. OTHER TREATMENT IS AVAILABLE.** Vomiting may cause aspiration pneumonia. If necessary to induce vomiting, give victim one cup 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. **IF IN EYES:** Rinse eyes for at least 15 minutes with water and consult a physician immediately.

NOTE TO PHYSICIAN: Solvent may present aspiration hazard. Gastric lavage is contraindicated if product was taken internally. Diazinon is an organic phosphate insecticide. If cholinesterase inhibition are present, atropine sulfate by injection is antidotal. Atropine is an antidote and may be administered but only in conjunction with atropine. See side panels for additional precautionary statements.

EPA Est. 826-FL-1 (3) 826-NC-1 (4) NC-2 (5) Number following Est. No. corresponds to first digit in Est. No.
Southern Agricultural Insecticides, Inc.
Palmetto, FL 34121 Hendersonville, NC 28793
EPA Reg. No. 429--

Net Contents: 1

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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 or feed. Keep out of reach of domestic animals. Do not use on humans, pets, or livestock. Do not permit children or pets to go on sprayed grass or contact sprayed surfaces until spray has completely dried.

NOTE TO PHYSICIAN: Solvent may present aspiration hazard. Gastric lavage may be indicated if product was taken internally. Diazinon is an organic phosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2 PAM is also antidotal and may be administered but only in conjunction with atropine.

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 as product contains petroleum distillates. 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. Rinse thoroughly.

IF In Eyes, rinse eyes for at least 15 minutes with water and call a physician immediately.

ENVIRONMENTAL HAZARDS

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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 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 AND CHEMICAL HAZARDS: Combustible liquid. Do not use, pour, spill, or store near heat or open flame.

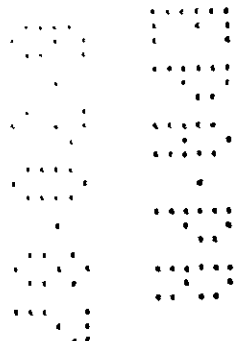
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY.

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Southern Agricultural Insecticides, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Southern Agricultural Insecticides, Inc. warrants that this product conforms to the chemical description of the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Southern Agricultural Insecticides, Inc. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Southern Agricultural Insecticides, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Southern Agricultural Insecticides, Inc. and the Seller offer this product and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Southern Agricultural Insecticides, Inc.



DIRECTIONS FOR USE

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

Before applying consult appropriate local State Agricultural Authority to determine if label recommendations are consistent with recommendations for the crop location.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

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

REENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Protective clothing includes at least a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all of closely woven fabric covering the body including arms and legs), socks and shoes.

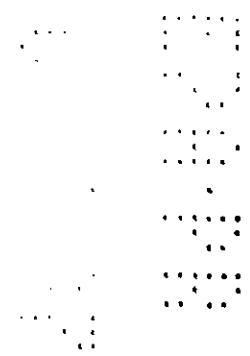
Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information (See note below).

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.

Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure, as described under PRECAUTIONARY STATEMENTS on this label.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

WARNING. AREA TREATED WITH DIAZINON 80500 ON (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if irritation persists. Remove and wash contaminated clothing before reuse.



FRUIT AND NUT CROPS

Note: Unless otherwise stated, the following rates should be applied as a dilute full cover spray.

BLUEBERRIES:

Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Twospotted Mites: Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre. Do not apply within 7 days of harvest or illegal residues may result.

BLACK BERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES:

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

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

Dryberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are well developed but still closed. Make a second application when the buds are well developed but still closed.

Do not apply within 7 days of harvest or illegal residues may result.

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

CHERRIES:

Eyespotted Bud Moths, Fruittree Leafrollers: Mix 1 pt per 100 gals. of water. Apply in cover sprays as necessary beginning with petal fall.

Cherry Fruit Flies: Mix 1/2 - 1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10-day intervals.

Leafhoppers: Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

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

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

Do not apply within 10 days of harvest or illegal residues may result.

Cherry Rust Mites: Mix 1/2 - 1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS (FLORIDA):

Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these.

Citrus Aphids, Cottoncushion Scale Crawlers, Soft Scale Crawlers: Apply 1/2 - 1 pt. per 100 gals. of water (maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 1,000 gals. per acre) when thrips first appear.

Citrus Snow Mites: Apply 1-2 pts. per 100 gals. of water (maximum 1,000 gals. per acre) as a postbloom 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.

PRECAUTION: Do not apply during bloom. Do not apply to citrus within 21 days of harvest or illegal residues may result. Shrimp and crab may be injured at application rates recommended on this label. Do not apply where these are important resources.

CHAMPAIGNS:

Black-headed Fireworm (Athropobeta Nacvau): Apply 2 qts. in 100 gals. of water per acre.

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Cranberry Fruitworms: (apply 3 qts. in 400 gals. of water per acre. Do not apply within 7 days of harvest or illegal residues may result.

GRAPES:

Leafhoppers, Grape berry Moths: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest or illegal residues may result.

Drosophila spp: Apply 12-18 fl. oz. per acre in a minimum of 100 gals. of water as a thorough cover spray, or apply when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest or illegal residues may result.

PEACHES, NECTARINES:

Aphids, Brown Mites (Clover Mites), Twospotted 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 1/2 pt. of Diazinon AG500 plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Oriental Fruit Moths: Mix 1 pt. per 100 gals. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult Oriental Fruit Moth flight, if possible.

Feathery Wing Borers: Mix 1 pt. per 100 gals. of water and apply to peaches in May and June.

Leafhoppers (peaches only): apply 1 pt. per 100 gals of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

White Peach Scale (peaches only): As a post harvest spray apply 1 1/2 pts. per 100 gals. of water timed to coincide with peak 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 10 days of harvest or illegal residues may result.

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

PINEAPPLE:

Scales: apply 3 qts. of Diazinon AG-500 plus 2 gals. of light or medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plants following harvest of pineapple.

Mealybugs: apply 2 qts. per acre in a minimum of 100 gals. of water. May be applied on day of harvest.

Pineapple storage and refuse may be fed to livestock 7 days following last application. Illegal residues may result if fed sooner than indicated.

STRAWBERRIES:

Aphids, Twospotted Spider Mites: Apply 1 pt. per 100 gals. per acre.

Cyclamen Mites: apply 1 qt. per 100 gals. of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.

Mole Crickets: broadcast 1 qt. per acre when insects are present. Apply 1-7 days before transplanting and immediately mix into the top 1-2 inches of soil.

Strawberry Leafhoppers: Mix 3/4 - 1 pt. per 100 gals. of water. Apply 100 gals. of spray per acre when blossoms show color.

Do not apply within 5 days of harvest or illegal residues may result.

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 20 gals. of water per acre for ground applications.

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BEANS:

BLACK BEANS, SNAP BEANS, LIMA BEANS:

Aphids, Mexican Bean Beetles, Leafminers: Apply 1 - 1 1/2 pts. per acre.

Cucumber Beetles: Apply 3/4 pt. in 100 gals. of water per acre.

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

LIMA BEANS:

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

BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER:

Aphids, Diamondback Moths, Imported Cabbageworms: Apply 1/2 - 1 pt. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days of harvest or illegal residues may result.

BRUSSELS SPROUTS:

Aphids, Diamondback Moths, Imported Cabbageworms: Apply 1 pt. per acre. Generally, applications at 7-10 day intervals will be required. Do not apply to Brussels Sprouts within 7 days of harvest or illegal residues may result.

CARROTS:

Aphids: apply 1 pt. per acre. Do not apply within 10 days of harvest or illegal residues may result.

CILANTRO:

Aphids, Flea Beetles: Apply 1 pt. in 100 gals. of water per acre. Do not apply within 10 days of harvest or illegal residues may result. Plants should be market trimmed (tops removed) before being shipped or used or illegal residues may result. Tops should not be used for feed or food or illegal residues may result.

COLLARDS, KALE, SWISS CHARD, TURNIP TOPS:

Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs: Apply 1/2 - 1 pt. per acre. Do not apply to collards, kale, or turnip tops within 10 days, or to Swiss chard within 12 days of harvest or illegal residues may result.

CUCUMBERS:

Aphids, Serpentine Leafminers, Thrips: Apply 1 pt. per acre. Do not apply within 7 days of harvest or illegal residues may result.

LETTUCE, ENDIVE:

Aphids, Dipterous Leafminers: Apply 1/2 - 1 pt. per acre. Do not apply within 10 days of harvest or illegal residues may result.

MELONS, SQUASH:

Cantaloupes, Cucabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these; Watermelons and their hybrids; Summer and Winter Squash:

Aphids, Leafhoppers, Mites: Apply 1 - 1 1/2 pts. per acre.

Serpentine Leafminers, Thrips: Apply 1/2 - 1 pt. per acre.

Do not apply to melons and winter squash within 3 days, or to summer squash within 7 days of harvest or illegal residues may result.

MUSHROOM HOUSES:

Mushroom Flies (Florids and Sciarids): Mix 1/2 - 1 gal. in 50 gals. of water (0.5% to 1% actual diazinon) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning or illegal residues may result.

To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix 1 1/2 pt. in 6 gals. of water and apply with a brush. Do not treat compost or illegal residues may result.

ONIONS:

Onion Thrips: Apply 1 pt. per acre. Do not apply within 10 days of harvest or illegal residues may result.

PEAS:

Aphids, Leafminers: Apply 3/4 - 1 pt. per acre. Peas may be pickled immediately. Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay or illegal residues may result.

PEPPERS:

Aphids, Serpentine Leafminers: Apply 1/2 pt. per acre. Do not apply within 5 days of harvest or illegal residues may result.

POTATOES:

Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers: Apply at the rate of 1/2 - 3/4 pt. per acre.

Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply 3/4 - 1 pt. per acre.

Do not apply within 35 days of harvest or illegal residues may result.

RADISHES, PARSNIPS, TURNIPS:

Aphids, Flea Beetles, Dipterous Leafminers: Apply 1/2 - 1 pt. per acre. Do not apply within 10 days of harvest or illegal residues may result.

SPINACH, BEETS:

Aphids, Dipterous Leafminers: Apply 1/2 - 1 pt. per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest or illegal residues may result.

SQUASH (Summer and Winter):

See Melons and Squash section.

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TOMATOES:

Aphids: Apply 1/2 pt. per acre.

Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms: Apply 3/4 - 1 pt. per acre.

Do not apply within 1 day of harvest or illegal residues may result.

To control leafminers, weekly applications are usually required.

VEGETABLE SOIL INSECTS:

Unless otherwise stated, soil application of Diazinon AG500 should always be applied to vegetable crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

NOTE:USE ONLY ONE OF THE RECOMMENDED SOIL TREATMENTS.

CUTWORMS (SURFACE AND SUBTERRANEAN):

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

MOLE CRICKETS:

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

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

ONION MAGGOTS:

Onions:

Furrow Application: Apply 1 qt. per acre in sufficient water to drench the seed furrow at planting time.

Broadcast Application: Broadcast 2-4 qts. per acre just prior to planting. Immediately work into soil 3-4 inches.

Root Maggots:

Broccoli, Brussels Sprouts, Cabbage, Cauliflower:

Broadcast Application: Broadcast 2-3 qts. per acre and immediately work into the soil 3-4 inches, before seeding, either in the seedbed or in the field, or before transplanting.

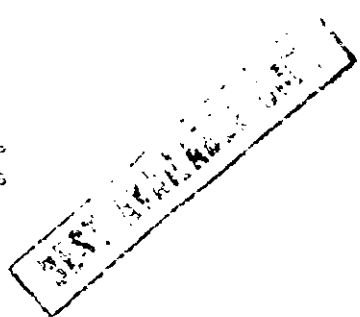
Transplant water (drench) application: Mix 1/4 - 1/2 pt. in 50 gals. of transplant water when 200-300 gals. of water are used per acre. May be applied at the rate of 1/2 - 1 cupful per plant, either by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant.

PRECAUTION: TRANSPLANT WATER TREATMENTS MAY RESULT IN STAND REDUCTION DUE TO PLANT STRESS AT TIME OF TRANSPLANTING.

Radishes: Mix 1 qt. in 50 gals. of water. Apply 80-100 gals. per acre (1 - 1 1/3 gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS:

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



Broadcast 3-4 qts. per acre prior to planting, and immediately work into soil 4-8 inches.

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

Southern Potato Wireworms (Southeastern U.S.)

Potatoes: For use to control Southern Potato Wireworms in potatoes grown on mineral soils in the Southeast, apply 2-4 qts. per acre as a soil treatment prior to planting, and immediately mix thoroughly by disking, or other suitable means into the top 3-6 inches of soil, depending on location of wireworms

FIELD AND FORAGE FOLIAR INSECTS:

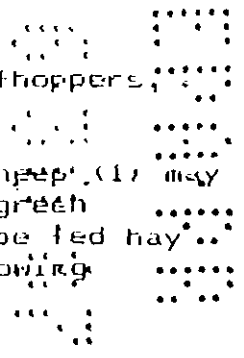
Unless otherwise stated, foliar applications of Diazinon AG500 should always be applied to field and forage crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

Alfalfa, Clover:

Spotted alfalfa aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply 3/4 - 1 pt. per acre.

Grasshoppers: Apply 1 pt. per acre.

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



alfalfa Weevil Larvae, or control in the spring, apply 2-3 pts. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 2 days. Do not cut for hay for 10 days following treatment or illegal residues may result.

PRECAUTION: DO NOT SPRAY LIVESTOCK DIRECTLY WITH EITHER AIR OR GROUND EQUIPMENT OR ILLEGAL RESIDUES MAY RESULT. DO NOT TREAT DURING BLOOM TO AVOID INJURY TO POLLINATING INSECTS.

CLOVER:

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

CORN:

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

Corn, Rootworm Adults: Apply 1/2 - 1 pt. per acre.

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

MITES:

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

FLEA BEETLES:

Apply 1 pt. per acre when insects first appear. Repeat applications as necessary.

GRASSHOPPERS: Apply 1 pt. per acre.

SAP BEETLES: apply 2-2 1/2 pts. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult State Agricultural Experiment Stations or State Extension Service Specialist for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

COTTON:

Spider Mites, Aphids, Leafhoppers, Lygus Bug, Cotton Leafworms, Cotton Leafperforators: Apply 1 - 2 pts. in 5-25 gals. of water per acre. Repeat as infestation warrants.

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

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 - 1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within 4 days.

Mites: apply 1 pt. per acre when infestation first appears and repeat applications as necessary.

Greenbug: apply at the rates indicated below when infestation first appears and repeat as necessary.

Texas and Oklahoma - Apply 1/2 - 1 pt. per acre.

All Other Areas - Apply 1 pt. per acre.

Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain or illegal residues may result.

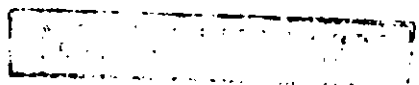
SUGARCANE:

Aphids: apply 1/2 - 1 pt. per acre. Allow 1 day between last application and harvest or illegal residues may result. Bagasse and forage may be fed to livestock.

TUBACCO:

Aphids, Flea Beetles: Apply 1/2 - 3/4 pt. per acre. Do not apply within 3 days of harvest or illegal residues may result.

Grasshoppers: Apply 1 pt. per acre. Do not apply within 14 days of harvest or illegal residues may result.



FIELD AND FORAGE SOIL INSECTS:

Unless otherwise stated, soil applications of Diazinon AG500 should always be applied to field and forage crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

ALFALFA, 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:

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 lay-by.

For subterranean cutworms apply just prior to planting and immediately work into soil 3-6 inches.

Corn may be pickled immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

COWPEAS:

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

LESPEDEZA:

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

PEANUTS:

Cutworms: Apply 2 qts. per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin application when small larvae appear. Two or three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest or illegal residues may result.

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. Illegal residues may result if fed sooner than indicated.

SORGHUM:

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

SOYBEANS:

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

SUGARCANE:

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

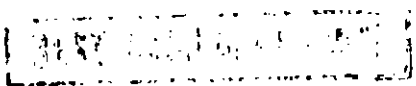
TOBACCO:

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

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

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

Seedcorn Maggots: Broadcast 2 pts. per acre, 3-4 weeks before transplanting. Immediately work into soil 2 inches.



Wireworms: Broadcast (3 qts. per acre, 3-4 week(before transplanting. Immediately work into soil 6-9 inches.

RANGE, PASTURE, and GRASSLAND INSECTS

Unless otherwise stated, Diazinon AG500 should always be applied as a spray in a minimum of 1 gal. of water per acre for aerial applications and a minimum of 5 gals. of water per acre for ground applications.

BERMUDAGRASS and FORAGE GRASSES (other than Range and Pasture Grasses) Thrips, Whiteflies, Grasshoppers: Apply 1 pt. per acre.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days or illegal residues may result.

RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, BARRIER STRIPS

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

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

ORNAMENTAL INSECT CONTROL

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

Insects	Rate per 5 gals. Water	Rate per 100 gals. Water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leafhoppers, Privet Mites, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Twospotted Mites, Webworms, Whiteflies	1/2 fl. oz.*	1 pint**

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Apple and Thorn Skeletonizers, Colonaster Webworms, Fall Webworms, Hemlock, Cherries, Oak Looper, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars	1 1/2 fl. oz.*	3 pints**
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* 1 fl. oz. = 2 tablespoons.
** 10 fl. oz. = 1 pint

PRECAUTION: DO NOT use on Ferns, Poinsettia, Hibiscus, Papaya, Filicea, and Gardenia, since injury to the plants may occur.

MINUSA WEBWORMS: Use 1/2 fl. oz. in 5 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

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, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and 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. 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. Avoid overlapping of sprays. If waterfowl, i.e. ducks, geese can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 0.25 inch water immediately after application, however stop watering before puddling occurs.

PESTS	Rate/1,000 sq. ft.		REMARKS
	DIAZINON AG500	WATER	
Lawn Chinch Bugs	2-5 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, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	2-3 fl.oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For frit flies, mow grass and water well before treatment but delay application until grass is dry.
Brown Dog Ticks, Bermuda Grass Mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl.oz.	3 gals.	NOTE: Do not apply to animals. For Brown Dog Ticks, spray grass and under shrubbery, particularly near house.
Millipedes	3 fl.oz.	3 gals.	
Rhodesgrass beetles	3 fl.oz.	3 gals.	Apply when crawlers first emerge.

BILLBUGS, WHITE GRUBS (such as Japanese Beetle Larvae, European Chafer, Southern Chaffer): apply 3 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. For chinch bugs: spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (1-2 1/2 tablespoons) in 1 gal. water. At the same time, thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where insects hide.

STORAGE AND DISPOSAL (

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If pesticide, spray mixture or rinsate cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incinerate, or burn if allowed by state and local authorities. Stay out of smoke from burning container.

Southern Agricultural Insecticides, Inc.

Palmetto, Fla. 33561

Hendersonville, N.C. 28793

Boone, N.C. 28607

EPA Reg. No. 829_ _ _

