



D·z·n[®] diazinon AG500

Insecticide

For Agricultural or Commercial Use Only

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

ACCEPTED
with COMMENTS
to EPA Reg. No. 461

MAR 9 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under EPA Reg. No.

100-461

Active Ingredients:

Diazinon: O,O-diethyl O-(2-isopropyl-6-	
methyl-4-pyrimidinyl) phosphorothioate	48.0%
Xylene range aromatic solvent	38.4%
<u>Inert Ingredients:</u>	<u>13.6%</u>
Total:	100.0%

D·z·n Diazinon AG500 contains 4 lbs.
Diazinon per gal.

Keep Out of Reach of Children.

Warnings

See additional warning statements
on left panel.

See directions for use on panel
at right.

EPA Reg. No. 100-461
EPA Act, 7-11-73

Control No. 5274

One Gallon
U.S. Standard Measure

100-461

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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of fitness or MERCHANTABILITY or any other explicit or implied warranty. It is the intent of CIBA-GEIGY or the Seller to make this product available, special, or indirect buyers representing the use of this product in fact. CIBA-GEIGY and the Seller disclaim liability, and the buyer and user accept it, subject to the Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

General Information

D·z·n Diazinon AG500 is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

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

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

Directions for Use

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

FAILURE TO FOLLOW PRECAUTIONS AND DIRECTIONS ON THIS LABEL MAY RESULT IN HUMAN INJURY, POOR INSECT CONTROL AND/OR ILLEGAL RESIDUES.

Vegetable Field Insects

Unless otherwise stated, foliage applications of Diazinon AG500 should always be applied to vegetable crops as a spray in a minimum of 200 gal. of water per acre for aerial applications and a minimum of 100 gal. of water per acre for ground applications.

FRUIT

Apple, Pear, Peach, Plum, Prune

Apply to the fruit, leaves, and branches. Apply to the fruit, leaves, and branches. Apply to the fruit, leaves, and branches.

Cucumber beetles: Apply 3-4 pt. in 100 gals. of water per acre.

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

Lima Beans

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

Broccoli, 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 3 days, or to cabbage within 7 days, of harvest.

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.

Carrots

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

Celery

Aphids, Diamondback Moths: Apply 1 pt. in 100 gals. of water per acre. Do not apply within 10 days of harvest. Plant should be cut for hay or forage or fed to dairy or beef cattle or sheep. Wait 4 days following treatment if forage is to be cut for hay.

Corn, Sorghum, Grain Sorghum, Grain Millet

Aphids, Leafhoppers, Mites, Beet Beetles, Dipterous Leafminers, European Cornborer, Imported Cabbageworms: Apply 1 pt. per acre. Do not apply to corn, sorghum, grain sorghum, or grain millet within 7 days of harvest. Do not apply to grain sorghum or grain millet within 10 days of harvest. Do not apply to grain sorghum or grain millet within 14 days of harvest. Do not apply to grain sorghum or grain millet within 21 days of harvest. Do not apply to grain sorghum or grain millet within 28 days of harvest. Do not apply to grain sorghum or grain millet within 35 days of harvest. Do not apply to grain sorghum or grain millet within 42 days of harvest. Do not apply to grain sorghum or grain millet within 49 days of harvest. Do not apply to grain sorghum or grain millet within 56 days of harvest. Do not apply to grain sorghum or grain millet within 63 days of harvest. Do not apply to grain sorghum or grain millet within 70 days of harvest. Do not apply to grain sorghum or grain millet within 77 days of harvest. Do not apply to grain sorghum or grain millet within 84 days of harvest. Do not apply to grain sorghum or grain millet within 91 days of harvest. Do not apply to grain sorghum or grain millet within 98 days of harvest. Do not apply to grain sorghum or grain millet within 105 days of harvest.

Cucumbers

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

Lettuce, Endive

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

Melons, Squash

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

Aphids, Leafhoppers, Mites: Apply 1-1 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.

Onions

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

Peas

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

Peppers

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

Potatoes

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

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

Do not apply within 35 days of harvest.

Radishes, Parsnips, Turnips

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

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.

Squash (Summer and Winter)

See Melons and Squash section.

Tomatoes

Aphids, Dipterous Leafminers: Apply 1/2 pt. per acre. To control leafminers, weekly applications are usually required.

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

Vinegar Flies (Drosophila spp.): Apply 1/2-1 1/2 pts. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

Vegetable Soil Insects

Unless otherwise stated, soil applications of D·z·n 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.

Cutworms (Surface and Subterranean)

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

Broadcast 2-4 qts. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Wireworms

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

Complete directions for use of D·z·n Diazinon AG500 for insect control on those crops in the following list are contained in a booklet attached to this container.

Read carefully and follow all label directions when using this product.

D·z·n Diazinon AG500 is registered for use on:

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

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Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture, or rinse that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place. Consult federal, state, or local disposal authorities for approved alternative procedures.

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. 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.

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. Rinse thoroughly.

If in eyes, rinse eyes with plenty of water and call a physician immediately.

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Note to Physician: Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. 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 is likely. Contact your State Fish and Game Agency for 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.

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA 1L40Y

June 5, 1980
Revised March 23, 1981
Revised February 23, 1983
Revised November 22, 1983
(AI change, disclaimer)

9 MAR 1984

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17/5

Agricultural Division
CIBA-GEIGY Corp.
P.O. Box 18300
Greensboro, NC 27419

Attention: Mr. Charles Rock

Gentlemen:

Subject: Amendment-Updated Formula and Labels
D.S.M. Diazinon AC500
EPA Registration No. 100-461
Application Dated November 23, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

At the next label printing update the storage and disposal information in accordance with FR Notice 83-3.

Also, we find the disclaimer statement ^{including} unacceptable. You should address this in your next correspondence. ^{Refer to the exclusion on disclaimers document.}

The revised basic formula and alternate formula are acceptable. However, this is only when the formula contain Tennaco 500-100. Since there are only a few solvents, ~~the label lists a wide range of aromatic solvent~~, submit a specific list of substitute solvents for Agency approval. "Or equivalent" is not adequate.

Sincerely yours,

BEST DOCUMENT AVAILABLE

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

enclosure
IRB/RD:DCR-05468:LaRocca:efs:2/28/84:Raven:557-2226:Del.3/12/84:CBI-24

CONCURRENCES						
SYMBOL	TS 767					
SIGNATURE	<i>[Signature]</i>					
DATE	2/29/84					