

ORNAMENTAL INSECT CONTROL

To control certain insects on Arbutus, Azalea, Camellia, Forsythia, Gardenia, Hydrangea, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Spirea, Rhododendron, Rose, Spruce, and Willow apply the recommended rates indicated below.

Insects	Rate per 3 gals. water	Rate per 100 gal. water
Aphids, Bagworms, Carnation Bud Mites, Crane Iron Shoot Mites, Clover Mites, Cyclamen Mites, Dotted Leaf Mites, European Pine Shot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Lacehoppers, Oblique Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle, San Jose Soft Scale), Termites, Two Spotted Mites, Webworms, Whiteflies	1/2 fl. oz.	1 pt.
Apple and Thorn Skeletonizers, Cottonweaver Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Oblique-headed Leaf Roller, Pear Slugs, Tent Caterpillars	1 1/2 fl. oz.	3 pts.

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea and Gardenia, since injury to the plants may occur. Mimosas, Webworms, Mite, 1/2 fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make second and third application at 4-5 week intervals.

LAWN INSECT CONTROL

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

Insects	Rate (1,000 sq. ft. Diatomaceous Earth AG500)	Remarks
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fleas, Lawn Billbugs, Sod Webworms (Lawns), Moths, Sowbugs	4 fl. oz. 3 gals.	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For Fleas, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary. Do not apply to animals.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Lacehoppers	1 1/2 fl. oz. 3 gals.	For brown dog ticks spray grass and under shrubbery particularly near house.
Millipedes	8 fl. oz. 3 gals.	
Rhynchos grass Scales	5 fl. oz. 25 gals.	Apply when crawlers first appear.

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 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 1/2-5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For band treatment refer to the row spacing chart for amounts recommended per acre. Postemergence Basal Treatment Apply 1 1/2-2 1/2 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 not later than June 24th in the Middle Corn Belt or July 1st 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 basal treatment
48	13,890	26-56 oz.	14-28 oz.
47	12,455	31-62 oz.	15-31 oz.
40	13,968	32-64 oz. (1 1/2 qts.)	16-32 oz. (1 1/4 qt.)
36	13,939	35-70 oz.	17-35 oz.
30	14,250	36-72 oz.	18-36 oz.
24	21,780	44-88 oz.	22-44 oz.
20	26,136	55-110 oz.	27-55 oz.
15	34,848	64-128 oz. (2-4 qts.)	32-64 oz. (1 1/2 qts.)
		88-176 oz.	44-88 oz.

NOTE: For row spacings not listed, calculate the appropriate dosage based on the 40" row figure.

Immediately make application in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application. **Billbug** Spray Eggs—Hide the home with 1 1/2 fl. oz. (2 1/2-5 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. **Billbug and White Grubs, Japanese beetle larvae, European chaffer and Southern chaffer**—Apply 5 fl. oz. of product per 1,000 sq. ft. of lawn. Water grass thoroughly after application. 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.

FOREST INSECTS

Pine (Seed Orchard, Plantations, Forests)—Arkansas Sawfly (Loblopy Sawfly) Apply 1/2 pt. per acre over the tree canopy. Application should be made at or near the completion of egg hatch. Aerial applications should be made with a minimum of 2 gals. of spray per acre in swaths not more than 90 ft. wide. Repeat application as needed.

FIRE ANTS

To aid in the control of fire ants in lawns and other recreation areas, apply 1/2 fl. oz. (1 tbsp.) in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness. NOTE: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear.

BEST DOCUMENT AVAILABLE

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 layby. For subterranean cutworms apply just prior to planting and work into soil 3-6 inches immediately. **Wireworms** Apply 3-4 qts. per acre 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.

Corn—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. **Peas**—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. 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. **Beetles**—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. **Wireworms** Broadcast 3-4 qts. per acre just prior to planting, and work into the 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 furrow at covering time. **Tomatoes**—Cutworms Broadcast 2-3 qts. per acre before transplanting and work into the soil 2-4 inches immediately. **Green June Beetle Larvae** Mix 1/2 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. **Mole Crickets** Broadcast 1 qt. per acre, when insects are present. Make application to beds or fields 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 6-8 inches immediately.

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, and (3) forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days. **Rangeland, Pasture, Ditch Banks, Roadside, Wetland, 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 30 days if the spray is an oil solution. Do not spray livestock directly with either air or ground equipment. Do not repeat application for 30 days.

prentiss DIAZINON INSECTICIDE

FOR THE CONTROL OF CERTAIN INSECTS ON FRUITS, NUTS, VEGETABLES

ACTIVE INGREDIENTS:
Diazinon [0,0-dimethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]
Xylene Range Aromatic Solvent

INERT INGREDIENTS:

PRENTOX® Registered Trademark of Prentiss Drug & Chemical Co.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

PRECAUCION AL USUARIO—Si usted no lee ingles, no use este empaque.

STATEMENT OF PRACTICAL USE:
If swallowed—Call a physician immediately. Gastric lavage is indicated unless other treatment is not available. Vomiting may cause aspirate victim one or two glasses of water and insert finger in back of throat. If give anything by mouth to an unconscious person. If inhaled—Remove victim—Remove contaminated clothing and wash affected areas with soap and water. Call a physician if irritation persists.
NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present and may be administered in conjunction with Atropine.

**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. U handling. Avoid contamination of food. Do not use on humans or pets. Do not permit children to enter treated areas. Do not contaminate feed or use on household animals.

ENVIRONMENTAL HAZARD

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed, except for affluence from treated watercourses. Do not apply to water that will be consumed. Strump and crab may be killed at application rates recommended on this label. Do not use in areas where impact on life are important resources. This product must not be used in areas where impact on life and Game Agency before applying this product. Do not apply when weather conditions are unfavorable for application. Apply this product only as specified on label. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the crop, cover crop, or weeds blooming in the treatment area. Applications should be made at least 3 days before the start of the next period of bee activity.

PHYSICAL & CHEMICAL HAZARD

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

E.P.A. REG. NO. 655-459 NET CONTENTS 1 G.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label. Do not apply this product in such a manner as to directly or through drift expose workers or unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops, Agriculture for further information.

GENERAL INFORMATION
Diazinon AG500 is an emulsifiable solution which when diluted with water according to agricultural crops. Do not use in barns or dwellings. Do not use on livestock. In the application is made at first sign of insects. Application should be repeated as needed. Agriculture has set a 5-day re-entry for Diazinon on citrus, grapes, peaches and nectarines. The time a worker may enter the field to engage in any activity requiring substantial contact with phosphoric pesticides are applied in combination, the interval shall be prolonged by 48 hours.

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Drug & Chemical Co., Inc.



Application in 3 gals of water per 1,000 sq ft, and immediately following application. Boxelder Bug Spray with 1 1/2 fl. oz. (2 1/2 tablespoons) in 1 gal water. Apply spray around foundation, windows, doors, tree stumps and other places where the insects hide. **European spruce sawfly larvae, European spruce sawfly and European spruce sawfly larvae.** European spruce sawfly larvae. 1/2 oz of product per 1,000 sq ft of lawn. Water grass application. For grub control make application any time in early October. For billbug control apply when actively feeding on grass or when grass is present, indicating insect.

Plantations, Forests — **Arctosia Sawfly** (Loblopy pine) over the tree canopy. Application should be made on egg hatch. Aerial applications should be made at 2 gals of spray per acre, in swaths not more than 90 feet apart as needed.

of fire ants in lawns and other recreation areas, apply 1/2 minimum of 1 gal of water as a drench. Apply over and around. Apply gently to avoid disturbing ants. Reapply in quantities of solution can be prepared for multiple Use equipment capable of delivering the diluted solution at the rate of 1 gal per pound. High pressure sprays and cause migration, reducing product effectiveness. Apply in cool weather, 65-80° F, or in early morning. Treat new mounds as they appear.

DOCUMENT AVAILABLE

Broadcast 2-4 qts per acre just prior to planting. Work immediately. **Cutworms (Surface and Subterranean)** — per acre. For surface cutworms apply just prior to larvae first appear and work into soil 1-2 inches. For subterranean cutworms apply just prior to planting and work into soil 3-6 inches immediately. 4 qts. per acre prior to planting and work into the soil 4-6 inches. Corn may be picked immediately following last broadcast. **Grubs** (Surface and Subterranean) Broadcast 2-4 qts per acre. Work into the soil immediately, 2-3 inches for surface and subterranean. Broadcast 2-4 qts per acre just prior to planting and work into the soil immediately, 2-3 inches for surface and subterranean cutworms. **Peasants** — Cutworms in a 12-inch band over the row. Thorough coverage of row. Begin application when small larvae appear. Two or three applications at three-week intervals may be necessary. Do days of peanut harvest. Livestock (1) may be fed peanut forage 7 days following treatment and (2) may 21 days following treatment. **Beetles** — **Cutworms (Surface and Subterranean)**: Broadcast 2-4 qts. per acre just prior to the soil immediately, 2-3 inches for surface cutworms, subterranean cutworms. **Beetles** — **Cutworms (Surface and Subterranean)**: Broadcast 2-4 qts. per acre just prior to planting, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms. **Wireworms**: Broadcast 3-4 qts per acre, and work into the soil 4-8 inches immediately. **Beetles and Dairy Animals** — **Sugarcane** — **Wireworms**. Apply in 12-inch band centered over the furrow. Make application in open furrow at covering time. **Tomatoes** — Broadcast 2-3 qts. per acre before transplanting and work into soil immediately.

Larvae Mix 1/2 pt. in 50 gals of water and apply as a drench (100 sq. yds.) to uprooted areas of plant beds with **Crickets**. Broadcast 1 qt. per acre, when insects are on plants to beds or fields 1-2 days prior to sowing of seed. Work into soil 1-2 inches immediately. **Seed-Corn** — 3 pts. per acre, 3-4 weeks before transplanting. Work immediately. **Wireworms**, Broadcast 2-3 qts. per acre, 3-4 days before planting. Work into soil 8-9 inches immediately.

AND GRASSLAND INSECTS — Diazinon AG500 should always be applied as a drench (100 sq. yds.) to uprooted areas of plant beds with **Crickets**. Broadcast 1 qt. per acre, when insects are on plants to beds or fields 1-2 days prior to sowing of seed. Work into soil 1-2 inches immediately. **Seed-Corn** — 3 pts. per acre, 3-4 weeks before transplanting. Work immediately. **Wireworms**, Broadcast 2-3 qts. per acre, 3-4 days before planting. Work into soil 8-9 inches immediately.

prentox[®]

DIAZINON AG500

INSECTICIDE

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for this purpose registered under EPA Reg. No. 105-429

Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)	47.5%
Xylene Range Aromatic Solvent	38.8%
INERT INGREDIENTS	22.5%
TOTAL	100.0%

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

ACTIVE INGREDIENTS:
Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)
Xylene Range Aromatic Solvent

INERT INGREDIENTS:

PRENTOX[®] Registered Trademark of Prentiss Drug & Chemical Co., Inc.

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

PRECAUCION AL USUARIO—Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

If swallowed — Call a physician immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not 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. Apply respiration if indicated. If on skin — Remove contaminated clothing and wash affected areas with soap and water. If in eyes — Flush eyes for at least 15 minutes with soap and water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present, Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluents from treated watercourses). 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 and endangered species is likely. Contact your State Fish and Game Agency before applying this product. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. 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 & CHEMICAL HAZARDS

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

E.P.A. REG. NO. 555-459 NET CONTENTS 1 GAL. E.P.A. EST. NO. 865-GA-1

DIRECTIONS FOR USE

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

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

Do not enter treated areas without protective clothing until sprays have dried.

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.

GENERAL INFORMATION

Diazinon AG500 is an emulsifiable solution which when diluted with water according to the directions below 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 given below, 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 re-entry for Diazinon on citrus, grapes, peaches and nectarines. Five days should lapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of toxic 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.

Manufactured by



prentiss
Drug & Chemical Co., Inc.

Plant: Kaolin Road
Sandersville, GA. 31082

Office: C B. 2000
Floral Park, NY 11001

STORAGE AND DISPOSAL

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

STORAGE: If container is damaged, stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Do not store, use, pour or spill near heat or open flame.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE (Cont'd.)

FRUIT AND NUT CROPS — NOTE: Unless otherwise stated, the rates listed below should be applied as a full coverage spray. **Almonds —** Mites, Twig Borers. Apply 1-1½ pts per 100 gals of water. **Parloria Scales —** San Jose Scales. Mix 1-1½ pts Diazinon plus 2-3 gals dormant oil per 100 gals of water and apply as a dormant spray. **Almond hulls** may be used for feed for livestock. **Apples —** Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers. Mix 1 pint AG500 with 1½ gallons of light medium horticultural oil per 100 gallons 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 10 days of harvest. **Blackberries —** Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two-Spotted Spider 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. **Cantaloupes —** Blackberries, **Bayberries, Dewberries, Raspberries, Loganberries —** Leafhoppers, Thrips, Aphids, Two-Spotted Mites, Raspberry Sawflies. Apply 2 pts per acre in a minimum of 100 gals of water. **Raspberries —** Apply the above rates when blossoms 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 closed. Make a second application when the buds are well developed, but still closed. Do not apply within 7 days of harvest. **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 —** Eye-Spotted Bud Moths, Fruit-Tree 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 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop. **Cherry Fruit Flies —** Mix ½ 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. **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-pink stage or when crawlers first appear. Do not apply within 10 days of harvest. **Cherry Rust Mites —** Mix ½ pt per 100 gals of water. Apply as a supplemental spray after harvest. **Citrus Fruits —** Grapefruit, Lemons, Limes, Oranges, Tangerines, Tangelos, Tangorins, Citrus Citron, Kumquats, and hybrids of these — Citrus Aphids, Fruit-Tree Leaf Rollers, Cottony-Cushion Scale Crawlers and Soft Scale Crawlers. Apply ½ 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-Tree Leaf Rollers —** Use ½ 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 1-2 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 Fireworms (Sparganothis sulcata), Apply 2 qts in 400 gals of water per acre. Do not apply within 7 days of harvest. **Flies —** Vinegar Flies (*Drosophila* spp.), Dried Fruit Beetles. Apply 1 pt per 100 gals of water. Do not apply within 5 days of harvest. **Filbert Leaf Rollers, Aphids —** Apply 1-2 qts in 250-400 gals of water per acre, as a thorough cover spray. **Grapes —** Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Rollers. 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. **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. **Olive —** Olive Scales. Mix ½ pt of Diazinon AG500 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 AG500 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 2 additional

applications at 10-15 day intervals. Time the last application to peak adult or larval 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 3 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 1½-2 pts per 100 gals of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations 2 applications may be necessary. Do not apply to peaches within 20 days or to nectarines within 10 days of harvest. **Pecans —** Aphids, Mites, Pecan Nut Case bearers, 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. **Pineapples —** Scales. Apply 5 qts of Diazinon AG500 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 foliage** and refuse may be fed to livestock 7 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 pt per 100 gals of water. Do not apply within 10 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 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 to 2 qts before transplanting and mix into the top 1-2 inches of soil immediately. **Strawberry Leaf Rollers —** Mix ½ pt per 100 gals of water. Apply 200 gals of spray per acre when blossoms show color. Do not apply within 5 days of harvest. **Walnuts —** Aphids, Mites. Apply 1 qt per acre as a foliage spray in a minimum of 100 gals of water. **Codling Moths, Scale Crawlers, Walnut Caterpillars —** Apply 3 qts per acre as a foliage spray in a minimum of 100 gals of water. Do not apply after the husks open.

VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of Diazinon AG500 should always be applied to vegetable crops as a spray in a minimum of 2 gals of water per acre for ground applications and a minimum of 10 gals of water per acre for ground applications. **Beans —** Pole Beans, Snap Beans, Lima Beans — Black Bean Aphids, Mexican Bean Beetles, Leaf Miners. Apply 1-1½ qts per acre. **Cucumbers —** Apply ½ pt in 100 gallons of water per acre. Do not apply within 7 days of bean blossoms. **Bean foliage** or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment. **Forage —** store cut for hay. **Lima Beans —** Dipterous Leaf Miners, Leafhoppers, Mites. Apply 1 pt per acre. Do not apply within 7 days of harvest. **Bean foliage** or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment. **Forage —** store cut for hay. **Broccoli, Cabbage, and Cauliflower —** Aphids, Diamondback Moths. Imported Cabbageworms. Apply ½-1 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. **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, Flea Beetles. Apply 1 pt in 100 gals of water per acre. Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food. **Collards, Kale, Swiss Chard, and Turnip Tops —** Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms. Apply ½-1 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, Dipterous Leaf Miners. Apply ½-1 pt per acre. Do not apply within 10 days of harvest. **Melons and Squash —** Cantaloupe, Casabe, Crenshaw, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these, Watermelons and their hybrids, Summer and Winter Squash — Aphids, Leafhoppers, Mites. Apply 1-1½ pts per acre. **Serpentine Leaf Miners, Thrips —** Apply ½-1 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 (Phonids and Sciardids). Mix ½ 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 compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors and door frames after pasteurizing, mix ½ pt in 6 gals of water and apply with brush. Do not treat compost. **Onions —** Onion Thrips. Apply 1 pt per acre. Do not apply within 10 days of harvest. **Peas —** Aphids, Leaf Miners. Apply ½-1 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 Leaf Miners. Apply ½ pt per acre. Do not apply within 5 days of harvest. **Potatoes —** Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners. Apply at the rate of ½-¾ pt per acre. **Banded Cucumber Beetles, Leafhoppers, Southern Armyworms, Apply ½-1 pt per acre. Do not apply within 35 days of harvest. Radishes, Parsnips, and Turnips —** Aphids, Flea Beetles, Dipterous Leaf Miners. Apply ½-1 pt per acre. Do not apply within 10 days of harvest. **Spinach and Beets —** Aphids, Dipterous Leaf Miners. Apply ½-1 pt per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest. **Squash (Summer and Winter) —** See Melons and Squash Section. **Sweet Corn —** Corn Earworms. Apply 1-1½ qts per acre when silks first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. **Corn forage** may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage. **Foliar Insects and Field and Forage Soil Insects —** Tomatoes — Aphids, Dipterous Leaf Miners. Apply ½ pt per acre. To control leaf miners, weekly applications are usually required. **Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Apply ½-1 pt per acre. Vinegar Flies, Drosophila spp. —** Apply ½-1½ 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 green leaf parts of infestation. A heavy infestation may require an application no later than 30 days after the first application. Repeat applications are necessary. Do not apply within 30 days of harvest.

VEGETABLE SOIL INSECTS

Unless otherwise stated, soil applications 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. **Cutworms (Surface and Subterranean) —** Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers, Endive (escarole), Kale, Lettuce, Lima Beans, Muskmelons, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, 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 Symphyla (Conspicuous) —** Cabbage, Carrots, Corn, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips. Broadcast 10 qts per acre just prior to planting. Work into soil 4-8 inches immediately. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots, and wireworms. **Mole Crickets (escarole), Kale, Lettuce, Mustard Peppers, Radishes, Tomatoes, Turnips —** 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 work into soil 1-2 inches immediately. **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. Work into soil 3-4 inches immediately. **Root Maggots —** Broccoli, Brussels Sprouts, Cabbage, and 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 ¼ 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-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. **Radishes —** Mix 1 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 row at planting time. **Wireworms —** Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (escarole), Kale, Lettuce, Lima Beans, Muskmelons, Onions, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Watermelons, Winter Squash. Broadcast 3-4 qts per acre prior to planting and work into soil 4-8 inches immediately. **Potatoes —** Wireworms. Broadcast 3-6 qts per acre prior to planting immediately disk or herow into soil 4-8 inches. **Southern Potato Wireworms (Southeastern U.S.) —** For use to control southern potato wireworms in potatoes grown on mineral soils in the Southeast, apply 2-4 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 ground 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 ½-1 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. **Alfalfa Weevil Larvae** For 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. Do not spray livestock directly with either air or ground equipment. 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 ½-1 pt per acre. **Corn Leaf Aphids —** Apply 1-2 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 infestation first appear. Repeat applications as necessary. **Grasshoppers —** Apply 1 pt per acre. **Sap Beetles —** Apply 2-2½ 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 Specialists for proper timing of sprays. **Corn forage** may be fed to dairy and beef cattle and sheep. **Cotton —** Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworms, Cotton Leaf-roller, Tortricids. Apply 1-2 pts in 5-25 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 waste 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 Midge —** Apply ½-1 pt per acre when 80% 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 ½-1 pt per acre. **Other Areas —** Apply 1 pt per acre. Crops may be fed to livestock immediately following treatment. Do not apply within 7 days of harvest for grain. **Sugar Beets —** Leafhoppers, Dipterous Leaf Miners, Aphids. Apply ½-1 pt per acre. **NOTE —** Tomatoes be fed to beef and dairy animals. **Sugarcane —** Aphids. Apply ½-1 pt per acre. Allow 1 day between last application and harvest. **Bagasse and forage** may be fed to livestock. **Tobacco —** Aphids, Flea Beetles. Apply ½-¾ pt per acre. Do not apply within 30 days of harvest. **Grasshoppers —** Apply 1 pt per acre. Do not apply within 14 days of harvest.

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APR 1984

Mr. Nick Sanchez
Prentiss Drug & Chemical Co., Inc.
C. B. 2000
Floral Park, NY 11001

Dear Mr. Sanchez:

Subject: Amendment - Revised Formula Statement and
Associated Labeling
Prentox Diazinon AG 500
EPA Registration No. 655-459
Your Application Dated March 19, 1984

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. The order, while improved, still needs correction. The paragraph "Alternately make application..." belongs directly under the lawn insect control table (first column). The Forest Insects and Fire Ants sections should also be relocated to the bottom of the first column. The Field and Forage Soil insects paragraph and corn rootworm control chart can then be relocated to the top of the second column and will then continue into the seed corn maggot directions.

Submit five (5) copies of your revised final printed labeling before you release the product for shipment with amended labeling.

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

The revised formula statement is acceptable and has been added to the product's registration file.

Sincerely yours,

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

Enclosure

RD:IRP:DCR-28658:LaRocca:KIM:RAVEN:557-2226:RD-14:4/5/84:DeL.4/15/84

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
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