ACCEPTED

JUN 26 1987

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

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES OR SOD FARMS

DIAZINON 4 EC

FOR AGRICULTURAL USE ONLY

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

ACTIVE INGREDIENTS:	BY WT
O,O-diethyl O-[2-isopropyl-6-methyl-4-pyrimidinyl] phosphorothioate	48%
Xylene range Aromatic Solvent	36%
INERT INGREDIENTS:	16%
TOTAL	100%

EPA Reg. No. 7001-106-AA

EPA Est. No. 7001-CA-1

Contains 4 lbs. Diazinon per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING — AVISO

PRECAUCION AL USARIO: Si usted no lee inglés, no use este producto hasta que le expliquen bien todo el contenido del envase.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be harmful 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 animals. Children or pets should not be allowed 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. Do not permit pets to go into sprayed grass until spray has completely dried.

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: Wash immediately with soap and water.

IF IN EYES: Flush eyes for at least 15 minutes with water. Call a physician immediately.

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 wastewater, 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 and 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 before applying this product. Apply this product only as specified on this Label.

This product is highly toxic to bees exposed to direct treatment or 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. Protective information may be obtained from your Cooperative Agricultural Extension Service.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to drift or through drift expose workers or other persons. Treated areas being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until the spray has dried. Certain states may require more restrictive re-entry intervals for various crops treated with this product. Consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written and oral warnings must include the following information: "WARNING: Area treated with Diazinon 4 EC on date of application. Entry to the area without appropriate protective clothing until spray has dried. Required Protective Clothing: Chemical gloves, apron, rubber shoes, goggles, complete facial protection, long sleeves and long leg and pants.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Store in a cool, dry place away from heat and open flame. Keep drums tightly closed to avoid contamination with water.

Triple rinse for equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

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

FRUIT AND NUT CROPS

Almonds: Mites, Twig Borers. Apply 1 to 1½ pints per 100 gallons of water. *Pantelleria Scales, San Jose Scales.* Mix 1 to 1½ pints plus 2 to 3 gallons dormant oil per 100 gallons of water and apply as a dormant spray. Almond hulls may be used for feed for beef cattle.

Apricots: Aphids, Brown Mites (Clover Mites), Two Spotted Spider Mites, Olive Scale, Crawler, San Jose Scale Crawlers. Mix 1 pint per 100 gallons of light medium horticultural oil per 100 gallons of water. Apply when scale crawlers are present. *Apricot Molybugs.* Mix 1 pint per 100 gallons of water. Apply as a cover spray from petal fall to June 15. Do not apply within 10 days of harvest.

Blueberries: Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two Spotted Mites. Mix 1 pint per 100 gallons of water. Apply up to 280 gallons of spray per acre. Do not apply within 7 days of harvest.

Blackberries, Boysenberries, Cranberries, Dewberries, Loganberries, Raspberries: Leafhoppers, Thrips, Aphids, Two Spotted Mites, Raspberry Sawflies. Apply 2 pints per acre in a minimum of 100 gallons of water. *Raspberry Fruitworms.* Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open. *Dewberry Mites.* Apply 1 to 2 quarts per acre in a minimum of 100 gallons 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 quarts per acre in a minimum of 100 gallons 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 Leafrollers. Mix 1 pint per 100 gallons of water. Apply as cover sprays as necessary, beginning with petal fall. *Leafhoppers.* Apply 1 pint per 100 gallons of water in 3 to 5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop. *Cherry Fruit Flies.* Mix ½ to 1 pint per 100 gallons 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 pint per 100 gallons of water. Apply as a cover spray when Aphids appear and repeat after 10 days. *San Jose Scale Crawlers.* Mix 1 pint per 100 gallons of water. Apply during the pink bud stage or when crawlers first appear. Do not apply within 10 days of harvest. *Cherry Fruit Mites.* Mix ½ to 1 pint per 100 gallons of water. Apply as a supplemental spray after harvest.

Citrus Fruits (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these): Citrus Aphids, Fruit Tree Leafrollers, Citricola Cushion Scale Crawlers, Soft Scale Crawlers. Apply ½ to 1 pint per 100 gallons of water (maximum 1,000 gallons per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear. *Fruit Tree Leafrollers.* Use ½ to 1 pint per 100 gallons of spray (maximum 1,000 gallons per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring. *Citrus Thrips.* Apply 1 pint in 100 gallons of water (maximum 1,000 gallons per acre) when thrips first appear. *Citrus Snow Scales.* Apply 1 to 2 pints per 100 gallons of water (maximum 1,000 gallons 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 blooms. 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 sulfureanus). Apply 2 quarts in 400 gallons of water per acre. *Cranberry Fruitworms.* Apply 3 quarts in 400 gallons of water per acre. Do not apply within 7 days of harvest.

Figs: Vinegar Flies (Drosophila spp.), Dried Fruit Beetles. Apply 1 pint per 100 gallons of water. Do not apply within 5 days of harvest.

Filberts: Filbert Leafrollers, Aphids. Apply 1 to 2 quarts in 250 to 400 gallons of water per acre as a thorough cover spray.

Grapes: Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders. Apply 1 to 2 pints per acre in a minimum of 100 gallons of water as a thorough cover spray. Do not apply within 18 days of harvest. *Drosophila spp.* Apply 12 to 18 fluid ounces per acre in a minimum of 100 gallons 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.

Olives: Olive Scales. Mix ½ to 1 pint plus 1½ gallons of light medium summer horticultural oil per 100 gallons 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, Nectarines: Aphids, Brown Mites (Clover Mites), Two Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers. Mix 1 pint per 100 gallons of water. Apply when aphids, mites, and scale crawlers first appear. *Olive Scale Crawlers.* Mix 1 pint plus 1½ gallons of light medium horticultural oil per 100 gallons of water. Apply when scale crawlers are present. *Oriental Fruit Moths.* Mix 1 pint per 100 gallons of water and apply at 100% petal fall. Make 2 additional applications at 10 to 15 day intervals. Time the last application to peak adult oriental fruit moth flight, if possible. *Peach Twig Borers.* Mix 1 pint per 100 gallons of water and apply to peaches in May and June. *Leafhoppers (Peaches only).* Apply 1 pint per 100 gallons of water in 3 to 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 ½ to 2 pints per 100 gallons 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 Casebearers, Walnut Caterpillars. Apply 1 to 3 quarts per acre as a foliage spray with a minimum of 100 gallons of water. Do not apply after husks crack.

Pineapples: Scales. Apply 5 quarts plus 2 gallons of light or medium horticultural oil in 500 gallons of water per acre to the vegetative shoots on the plants following harvest of pineapple. *Mealybugs.* Apply 2 quarts per acre in a minimum of 100 gallons of water. May be applied on day of harvest. Pineapple foliage and refuse may be fed to livestock 7 days following last application.

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Plums: Prunes: Brown Mites (Clover Mites), European Red Mites. Apply ½ to 1 pint per 100 gallons of water. *Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids.* Apply ½ to 1 pint per 100 gallons of water. Do not apply within 10 days of harvest.

Strawberries: Aphids, Two Spotted Spider Mites. Apply 1 pint per 100 gallons of water per acre. *Cyclamen Mites.* Apply 1 quart per 100 gallons of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to insure thorough coverage of the foliage. Make additional applications if necessary after harvest. *Mole Crickets.* Broadcast 1 quart per acre when insects are present. Apply 1 to 2 days before transplanting and then stop the top 1 to 2 inches of soil immediately. *Strawberry Leafroller.* Mix ½ to 1 pint per 100 gallons of water. Apply 200 gallons of spray per acre when blossoms show color. Do not apply within 5 days of harvest.

Walnuts: Aphids, Mites. Apply 1 quart per acre as a foliage spray in a minimum of 100 gallons of water. *Codling Moths, Scale Crawlers, Walnut Caterpillars.* Apply 3 quarts per acre as a foliage spray in a minimum of 100 gallons of water. Do not apply after the husks open.

VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of Diazinon 4 EC should always be applied to vegetable crops as a spray in a minimum of 2 gallons of water per acre for aerial applications and a minimum of 10 gallons of water per acre for ground applications.

Beans (Pole Beans, Snap Beans, Lima Beans): *Black Bean Aphids, Mexican Bean Beetles, Leaf Miners.* Apply 1 to 1½ pints per acre. *Cucumber Beetles.* Apply ½ pint in 100 gallons 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 Leaf Miners, Leafhoppers, Mites.* Apply 1 pint 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, Diamond Back Moths, Imported Cabbageworms.* Apply ½ to 1 pint per acre. Applications at 7 to 10 day intervals will usually be required. Do not apply in broccoli or cauliflower within 5 days, or to cabbage within 7 days of harvest.

Brussels Sprouts: *Aphids, Diamond Back Moths, Imported Cabbageworms.* Apply 1 pint per acre. Generally applications at 7 to 10 day intervals will be required. Do not apply in brussels sprouts within 7 days of harvest.

Carrots: *Aphids.* Apply 1 pint per acre. Do not apply within 10 days of harvest.

Celery: *Aphids, Flea Beetles.* Apply 1 pint in 100 gallons 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, Turnip Tops: *Aphids, Imported Cabbageworms, Diamond Back Moths, Harlequin Cabbage Bugs, Corn Earworms.* Apply ½ to 1 pint 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 pint per acre. Do not apply within 7 days of harvest.

Lettuce, Endive: *Aphids, Dipterous Leaf Miners.* Apply ½ to 1 pint per acre. Do not apply within 15 days of harvest.

Melons, Squash (Cantaloupes, Casaba, Crenshaws, Honeydew Melons, Watermelons, Persian Melons and hybrids of these; Watermelons and their hybrids; Summer and Winter Squash): *Aphids, Leafhoppers, Mites.* Apply ½ to 1½ pints per acre. *Serpentine Leaf Miners, Thrips.* Apply ½ to 1 pint per acre. Do not apply to melons and winter squash within 3 days, or to summer squash within 7 days of harvest.

Mushroom Houses: *Mushroom Flies (Phorids and Sciarids).* Mix ½ to 1 gallon in 50 gallons of water (0.5% to 1.0% actual Diazinon) and spray on outside 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 pasteurization, use 1 pint in 6 gallons of water and apply with a brush. Do not treat compost.

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

Peas: *Aphids, Leaf Miners.* Apply ½ to 1 pint 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 1 pint 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 to 1 pint per acre. *Banded Cucumber Beetles, Leafhoppers, Southern Armyworms.* Apply ½ to 1 pint per acre. Do not apply within 35 days of harvest.

Radishes, Parsnips, Turnips: *Aphids, Flea Beetles, Dipterous Leaf Miners.* Apply ½ to 1 pint per acre. Do not apply within 10 days of harvest.

Spinach, Beets: *Aphids, Dipterous Leaf Miners.* Apply ½ to 1 pint per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest.

Squash (Summer and Winter): See Melons and Squash section.

Sweet Corn: *Corn Earworms.* Apply 1 to 1½ quarts per acre when pests first appear. Two or three repeat applications at 2 to 3 day intervals will usually be necessary. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage Foliar Insects and Field and Forage Soil Insects.

Tomatoes: *Aphids, Dipterous Leaf Miners.* Apply ½ pint per acre. To control leaf miners, weekly applications are usually required. *Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms.* Apply ½ to 1 pint per acre. *Vinegar Flies (Drosophila spp.).* Apply ½ to 1½ pints per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

Watercress (Hawaii only): *Cyclamen Mites.* Mix 1 pint per 100 gallons of water and apply in one acre in a thorough cover spray. Spray should be directed into the crowns and growing tips of plants. If infestation is heavy, make a second application no later than 10 days after the first application. Repeat applications as necessary. Do not apply within 5 days of harvest.

VEGETABLE SOIL INSECTS

Unless otherwise stated, soil applications of Diazinon 4 EC should always be applied to vegetable crops as a spray in a minimum of 5 gallons of water per acre for ground applications.

Cutworms (Surface and Subterranean)

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

Broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately. 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

Garden Symphylans (Centipedes)

Cabbage	Lettuce	Radishes	Tomatoes
Carrots	Peas	Red Beets	Turnips
Corn	Pole Beans	Snap Beans	

Broadcast 10 quarts per acre just prior to planting. Work into soil 4 to 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

Broccoli	Cantaloupe	Mustard	Turnips
Brussels Sprouts	Endive (escarole)	Peppers	
Cabbage	Kale	Radishes	
Cauliflower	Lettuce	Tomatoes	

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

Onion Maggots

Onions. *Furrow Application.* Apply 1 quart per acre in sufficient water to drench the seed furrow at planting time. *Broadcast Application.* Broadcast 2 to 4 quarts per acre just prior to planting. Work into soil 3 to 6 inches immediately.

Root Maggot

Broccoli, Brussels Sprouts, Cabbage, Cauliflower. *Broadcast Application.* Broadcast 2 to 3 quarts per acre and immediately work into the soil 3 to 4 inches before seeding, either in the seedbed or in the field in advance transplanting. *Transplant Water (Drench) Application.* Mix 1 to 1 quart in 50 gallons of transparent water when 200 to 300 gallons of water are used per acre. May be applied at the rate of 1 to 3 cups full 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 reductions due to plant stress at time of transplanting.

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

Wireworms

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

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

Potatoes

Wireworms. *Broadcast.* Broadcast 3 to 6 quarts per acre prior to planting. Immediately disc or harrow into soil 4 to 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 to 4 quarts per acre as a soil treatment prior to planting and immediately mixed thoroughly by discing or other suitable means into the top 3 to 6 inches of soil, dependent on location of wireworms.

FIELD AND FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar application of Dazinon 4 EC should always be applied to field and forage crops as a spray in a minimum of 2 gallons of water per acre for aerial applications and a minimum of 10 gallons of water per acre for ground applications.

Alfalfa Clover, Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug, Aphids, Mites. Apply ½ to 1 pint per acre. *Grasshoppers.* Apply 1 pint 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 to 3 pints 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 feed during bloom to avoid injury to pollinating insects.

Clover Stem, Grounds Crickets. Broadcast 1 to 2 pints per acre following seeding in the fall but prior to clover emergence.

Corn. Use a minimum of 1 gallon of water for aerial applications and 5 gallons of water for ground applications. *Corn Rootworm Adults.* Apply ½ to 1 pint per acre. *Corn Leaf Aphids.* Apply 1 to 2 pints per acre. Complete coverage of the upper portions of the plants is essential. Repeat applications as necessary. *Mites.* Apply 1 pint per acre when infestations first appear. Repeat applications as necessary. *Grasshoppers.* Apply 1 pint per acre. *San Jose Scale.* Apply 2 to 2½ pints per acre. Add 1 to 2 quarts of soluble mineral oil per acre to the spray mixture. Consult State Agricultural Experiment Stations or State Extension Service Specialists for proper timing of sprays. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Cotton. Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworm, Cotton Leaf Perforators. Apply 1 to 2 pints in 5 to 25 gallons 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 quart per acre. Do not apply within 14 days of harvest.

Sorghum. Use a minimum of 1 gallon of water for aerial applications and 5 gallons of water for ground applications. *Sorghum Midge.* Apply ½ to 1 pint per acre when 90% of heads have emerged from the boot. Repeat application within 4 days. *Mites.* Apply 1 pint per acre when infestation first appears and repeat applications as necessary. *Greenbug.* Apply at the rates indicated below when infested on first appears and repeat as necessary. Texas and Oklahoma - apply ½ to 1 pint per acre. All other areas - apply 1 pint per acre. Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

Sugar Beets. Leafhoppers, Dipterous Leaf Miners, Aphids. Apply ½ to 1 pint per acre. *Grasshoppers.* Apply 1 pint per acre. NOTE: Tops may be fed to beef and dairy animals.

Sugarcane. Aphids. Apply ½ to 1 pint per acre. Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

Tobacco. Aphids, Flea Beetles. Apply ½ to ½ pint per acre. Do not apply within 3 days of harvest. *Grasshoppers.* Apply 1 pint per acre. Do not apply within 14 days of harvest.

FIELD AND FORAGE SOIL INSECTS

Unless otherwise stated, soil applications of Dazinon 4 EC should always be applied to field and forage crops as a spray in a minimum of 5 gallons of water per acre for ground applications.

Alfalfa, Clover, Cutworms (Surface & Subterranean). Broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately. 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

Corn. Corn Rootworm Larvae. Band application at planting time — Apply 1 to 2 quarts per acre. Make application in the seed furrow or apply 2 - to 5 ounces per 1,000 linear feet of corn row in a 4 to 7 inch band directly behind the planter shoe. For band treatment refer to the row spacing chart for amount recommended per acre. Post emergence basal treatment — Apply 1 - to 2 - ounces per 1,000 linear feet of corn row in thoroughly wet base of corn plant and a narrow vertical soil root zone (three inches) to the row spacing chart for amounts recommended per acre. Cow Pea (Pea) Banding — 2 - inches of soil using a disc hiller or cultivator immediately after spraying. Application should be made at the last sign of Corn Rootworm Larvae, but not later than June 24 in the Middle Corn Belt or July 1 in the Northern Corn Belt.

Suggested Rates According to Row Spacing for Corn Rootworm Larvae Control

Row Spacing	Linear Feet of Corn row acre	Rate per acre planting Time Application	Postemergence Basal treatment
48	10,890	28 - 56 oz	14 - 28 oz
42	12,455	31 - 62 oz	15.5 - 31 oz
40	13,068	32 - 64 oz (1 - 2 qts)	16 - 32 oz (1 - 1 qt)
38	13,938	35 - 70 oz	17.5 - 35 oz
36	14,250	36 - 72 oz	18 - 36 oz
30	17,424	44 - 88 oz	22 - 44 oz
24	21,780	55 - 110 oz	27.5 - 55 oz
20	26,136	64 - 128 oz (2 - 4 qts)	32 - 64 oz (1 - 2 qts)
15	34,848	88 - 176 oz	44 - 88 oz

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

Seed Corn Maggots. Broadcast 2 to 4 quarts per acre just prior to planting. Work into soil 2 inches immediately. *Cutworms (Surface & Subterranean).* Broadcast 2 to 4 quarts per acre. For Surface Cutworms apply just prior to planting or when larvae first appear and work into soil 3 to 5 inches immediately. Do not apply later than layby. For Subterranean Cutworms apply just prior to planting and work into soil 3 to 8 inches immediately. *Wireworms.* Apply 3 to 4 quarts per acre prior to planting and work into the soil 4 to 8 inches immediately. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Cowpeas. Cutworms (Surface & Subterranean). Broadcast 2 to 4 quarts per acre just prior to planting, work into the soil immediately, 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

Lespedeza. Cutworms (Surface & Subterranean). Broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately, 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

Peanuts. Cutworms. Apply 2 quarts 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.

Sorghum. Cutworms (Surface & Subterranean). Broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately, 2 to 3 inches for Surface Cutworms, 3 to 8 inches for Subterranean Cutworms.

Soybeans. Cutworms (Surface & Subterranean). Broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately, 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

Sugar Beets. Wireworms. Broadcast 3 to 4 quarts per acre just prior to planting and work into soil 4 to 8 inches immediately. Tops may be fed to beef and dairy animals.

Sugarcane. Wireworms. Apply 1 gallon 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 to 3 quarts per acre before transplanting and work into the soil 2 to 4 inches immediately. *Green June Beetle Larvae.* Mix 1 quart in 50 gallons of water and apply as a drench (100 gallons per 100 sq. yds.) to uprooted areas of plant beds with showering can. *Mole Crickets.* Broadcast 1 quart per acre when insects are present. Make application to beds or fields 1 to 2 days prior to sowing of seed or transplanting and work into soil 1 to 2 inches immediately.

Seed Corn Maggots. Broadcast 3 pints per acre, 3 to 4 weeks before transplanting. Work into soil 2 inches immediately. *Wireworms.* Broadcast 2 to 3 quarts per acre, 3 to 4 weeks before transplanting. Work into soil 6 to 8 inches immediately.

RANGE, PASTURE AND GRASSLAND INSECTS

Unless otherwise stated, Dazinon 4 EC should always be applied as a spray in a minimum of 1 gallon of water per acre for aerial applications and a minimum of 5 gallons of water per acre for ground applications.

Bermudagrass, Forage Grasses (other than Range & Pasture Grasses). Thrips, White Flies, Grasshoppers. Apply 1 pint per acre. Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) forage grasses may be cut for hay 7 days following treatment.

Rangeland, Pasture, Ditch Banks, Roadsides, Wasteland, Noncrop Areas, Barley Strips: Grasshoppers. Apply ½ to 1 pint per acre in water or oil (minimum of 1 gallon of oil per acre) when hatch is 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.

ORNAMENTAL INSECT CONTROL

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

Insects	Rate per 3 gallons water	Rate per 100 gallons water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Hairy Bud Worms, Leaf Hoppers, Obscure Root Weevil, Omnivorous Leaf Tiers, Pineal Mites, Scale Crawlers (Euonymus Cushion, Euonymus, Pine Needle, San Jose, Soft Scales), Thrips, Tent, Spotted Mites, Webworms, White Flies	8 oz	1 qt
Aphids & Thrips Sweetpotatoes, Cottonwood, Web worms, Fall Webworms, Hemlock Loopers, Oak Loopers, Oblique Banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1 - 8 oz	3 pts

1 - 8 oz. = 2 tablespoons
16 fl. oz. = 1 pint

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pine and Gardenia since injury to these plants may occur.

Mimosa Webworms. Mix 8 oz. in 3 gallons of water (or 1 part in 100 gallons of water) and apply as a thorough foliar spray when cocoons first appear. Make a second and third application at 4 to 5 week intervals.

LAWN INSECT CONTROL

To control insects listed here, apply recommended rates. For control of Ants, Bees, Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs and Centipedes (Symptomatic), which are commonly found near the house and may enter the house, apply a 5 foot band of a mixture of the house, as well as the house foundation wall to a height of 2 to 3 feet. Repeat application if necessary.

Insects	Rate 1,000 sq. ft. Dazinon 4 EC	Rate 1,000 sq. ft. Water	Remarks
Lawn Chinch Bugs	2 fl. 3 fl. oz. or	25 gals	Use higher rate for longer resid al control and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Cutworms (Surface & Subterranean), Crickets, Cutworms, Dipterous Maggots, Earwigs, Fleas, Lawn Grubs, Sod Webworms, Stem Maggots, Sowbugs	4 fl. oz.	3 gals	Spot spray ant hills and wasp ground nest openings. For lawn pests, use rate for lawn thoroughly immediately after treatment. For fine lawns, mow grass and water well before treatment and delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1 - 8 fl. oz.	3 gals	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery particularly near house.
Mosquitoes	8 fl. oz.	3 gals	
Nutsedge Scales	5 fl. oz.	25 gals*	Apply when crawlers first emerge.

*Alternately, make application in 3 gallons of water per 1,000 sq. ft. and thoroughly water immediately following application.

Boxelder Bugs. Spray bugs outside the home with 1 - to 2 - fl. oz. (2 - to 5 tablespoons) in 1 gallon of water. At the same time thoroughly spray around foundation, windows, doors, tree trunks and into cracks and other places where the insects hide.

ABC 314 (8/77)

J. R. SIMPLOT COMPANY
Agricultural Chemicals Department
P.O. Box 198 • Lathrop, CA 95330

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