

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

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

On October 1, 1986, EPA published in the *Federal Register* a Notice of Intent to Cancel the registration of pesticide products containing diazinon registered for use on golf courses and sod farms (51 FR 35034). EPA has determined that you have complied with the requirements of that Notice in a timely manner for the subject products by submitting amended labeling deleting the use on golf courses and sod farms by addition of the label statement "This product must not be used on golf courses or sod farms." Please note that the statement must appear on top of the front panel of the finished label.

As indicated in the Notice of Amendment to Notice of Intent, any product released for shipment by the registrant after April 30, 1987, must bear the amended labeling. Any product sold or distributed by retailers or other persons after November 30, 1987, must bear the amended labeling.

Sincerely yours,

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

Enclosure

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

DIAZINON® AG4E

INSECT SPRAY

**ONLY FOR AGRICULTURAL OR COMMERCIAL USE.
FOR CONTROL OF
INSECTS ON FRUITS, VEGETABLES,
FIELD CROPS, TURF & ORNAMENTALS**
as listed on the label

ACCEPTED
WITH COMMENTS
EPA Letter Dated:

APR 6 1987

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. 904-306

DIAZINON® AG4E is an emulsifiable solution which, when diluted with water according to the direction below, is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

ACTIVE INGREDIENT:	BY WEIGHT
Diazinon (0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate).....	48%
INERT INGREDIENTS:.....	52%
TOTAL	100%

EPA Reg No 904-306

EPA Est. No 72-PA-1

DIAZINON® AG4E CONTAINS 4 LBS. DIAZINON® PER GALLON

Diazinon® —Trademark of CIBA GEIGY Corp.

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 explicado ampliamente.

TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.

STATEMENT OF PRACTICAL TREATMENT THIS PRODUCT CONTAINS AROMATIC PETROLEUM SOLVENT.

IF SWALLOWED: Call a Physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

NOTE TO PHYSICIAN — Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Launder clothing before reusing.

IF IN EYES: Wash eyes with plenty of water. Call a physician immediately.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Pratt-Gabriel Division
MILLER CHEMICAL & FERTILIZER CORPORATION
Hanover, Pennsylvania 17331

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NET CONTENTS: 5 GALLONS LIQUID

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS—WARNING: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Keep children and pets out of treated area until spray dries. Do not contaminate food or feed.

ENVIRONMENTAL HAZARDS:

This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water (except for effluence from treated watercress beds). 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. Do not contaminate water by cleaning of equipment or disposal of waste. This product is highly toxic to bees exposed to direct treatment or the 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 next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS:

Do not use, pour, 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.

ORNAMENTAL INSECT CONTROL

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

Insects	Amount Diazinon AG4E to Use	
	per 3 gals water	per 100 gals 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, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony cushion, Lecanium, Pine Needle, San Jose Soft Scale) Thrips, Two spotted Mites, Webworms, Whiteflies

Apple and Thorn Skeletonizers, Colonaster Webworms, Fall Webworms, Hemlock Cherries, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars

* 1 fl oz = 2 tablespoons ** 16 fl oz = 1 pint

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea and Gardenia since injury to the plants may occur. Mimosa Webworms: Mix 1 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 a 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, Crickets, 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 Diazinon [†] AG4E	Water	Remarks
Lawn Chinch Bugs	2 3/4 fl oz or 3 1/2 fl oz	25 gals †	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, Frit Flies, Lawn billbugs, Sod Webworms, Sod Webworms (Lawn Moths), Sowbugs	4 fl oz	3 gals	Spot spray ant hills & wasp ground nest openings. For lawn billbugs, irrigate lawn thoroughly immediately after treatment. For Frit Flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.

Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhopper

1 1/2 fl oz 3 gals

Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.

Millipedes 8 fl oz 3 gals

Rhodesgrass Scales 5 fl oz 25 gals †

Apply when crawlers first emerge.

† Or, make application in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application.

Billbugs and White Grubs (Japanese Beetle Larvae, European Chafer and Southern Chafer): Apply 4 fl. oz 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.

Hyperodes Weevil (New York only): Apply 3 fl oz per 1,000 sq ft of grass. Water grass thoroughly after application. Treat problem areas in mid April and again in mid May.

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

MUSHROOM HOUSES: (Mushroom Flies, Phorids and Sciarids) Mix 1/2 1 gal in 50 gals of water (0.5% to 1.0% actual Diazinon) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. To treat wooden sides of beds, posts, doors and door frames after pasteurizing, mix 1/2 1/2 pt in 6 gals of water and apply with a brush. Do not treat after spawning.

DIRECTIONS FOR CONTROL OF PHORID AND SCIARID FLIES IN MUSHROOM HOUSES

Spray on compost at time of spawning and thoroughly incorporate through compost using spawning machine or other mechanical means.

Apply at the rate of the following depth of mixing capacity:
 2 pints Diazinon[†] AG4E per 1,000 sq ft when mixed in 6 inches
 1-2/3 pints Diazinon[†] AG4E per 1,000 sq ft when mixed in 5 inches
 1-1/3 pints Diazinon[†] AG4E per 1,000 sq ft when mixed in 4 inches
 1 pint Diazinon[†] AG4E per 1,000 sq ft when mixed in 3 inches
 1/2 pint Diazinon[†] AG4E per 1,000 sq ft when mixed in 2 inches

DILUTE THE AMOUNT INDICATED ABOVE FOR THE DEPTH TO BE TREATED WITH 20 TO 30 GALLONS OF WATER FOR EACH 1,000 SQUARE FEET.

These rates will yield an active ingredient concentration of 100 ppm. Do not apply more than once per crop. Do not apply after spawning. The application of Diazinon should be used only when mushroom flies are a chronic problem because Diazinon application to the beds tends to delay and reduce mushroom production.

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RANGE, PASTURE & GRASSLAND INSECTS

Unless otherwise stated, Diazinon AG4E 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 & FORAGE GRASSES: (other than Range & Pasture Grasses) (Thrips, Whiteflies, Grasshoppers). Apply 1 pt. per acre. Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days.

RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, BARRIER STRIPS (Grasshoppers): Apply 3/4-1 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 applications (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 applications for 30 days.

VEGETABLE SOIL INSECTS

Unless otherwise stated, soil applications of Diazinon AG4E 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 SYMPHYLANS (Centipedes) (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 pre-plant treatment will also control cutworms (surface and subterranean), mole crickets, root maggots and wireworms.

MOLE CRICKETS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes and 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 immediately work into soil 1 to 2 inches.

ONION MAGGOTS (Onions): Furrow Application: Apply 1 qt per acre in sufficient water to drench the seed furrow at planting time. Broadcast Application: Broadcast 2-4 qts per acre just prior to planting. Work into soil 3-4 inches immediately.

ROOT MAGGOTS (Broccoli, Brussels Sprouts, Cabbage & Cauliflower): Broadcast Application: Broadcast 2-3 qts per acre and immediately work into the soil 3-4 inches before seeding either in the seedbed or in the field or before transplant. Transplant Water (Drench) Application: Mix 1.4 to 1.2 pt. in 50 gals. of transplant water, when 200 to 300 gals. of water are used per acre. May be applied at the rate of 1:2 to 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 to 1 1/3 gals. per 1,000 linear feet of row) in the seed furrow 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): 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 treat.

FIELD & FORAGE SOIL INSECTS

Unless otherwise stated, soil applications of Diazinon AG4E 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 & 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 in a minimum of 5 gals. of water. Make application in the seed furrow or apply 2 1/2-5 or 1 or 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For the band treatment, refer to the Row Spacing Chart for amounts recommended per acre. Post Emergence Basal Treatment: Apply 1 1/2-2 1/2 or 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 hiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae, but not later than June 24 in the Middle Corn Belt or July 1 in the Northern Corn Belt.

ROW SPACING CHART—Suggested Rates for Corn Rootworm Larvae Control

Row Spacing	Linear Ft. of Corn Row/Acre	Amount of Diazinon* AG4E Per Acre	
		Planting Time Application	Post-emergence 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 1/2-1 qt)
38"	13 939	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 spacings not listed, Calculate the approximate dosage rate based on the 40-inch row figure. (Seed Corn Maggots) Broadcast 2-4 qts per acre just prior to planting. Work into soil 2 inches immediately. (Cutworms - Surface and Subterranean) Broadcast 2-4 qts per acre. For surface cutworms, apply just prior to planting or when larvae first appear and work into soil 2 inches immediately. Do not apply later than 1 day. For subterranean cutworms, apply just prior to planting and work into soil 3-6 inches immediately. (Wireworms) Apply 3-4 qts per acre just prior to planting and work into the soil 4-8 inches immediately.

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

PEANUTS (Cutworms): Apply 2 qts per acre in a 12 inch band over the row. Thorough coverage of the foliage is essential. Begin application when small trees appear. Two or three additional applications at 3 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.

SUGAR BEETS (Wireworms): Broadcast 3-4 qts per acre just prior to planting and immediately work into soil 4-8 inches. 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.

TOBACCO (Cutworms): Broadcast 2-3 qts per acre before transplanting and work into the soil 2-4 inches immediately. (Green June Beetle Larvae): Mix 1 qt in 50 gals. of water and apply as a drench (100 gals. per 100 sq yds.) in uncultivated 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 immediately work into soil 1-2 inches. (Seedcorn Maggots): Broadcast 3 qts per acre 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

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

RE-ENTRY AND ADDITIONAL APPLICATION RESTRICTIONS FOR AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS

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

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

Because 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.

NOTE: The California Department of Agriculture has set a 5 day re-entry 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 phosphorus pesticides is applied, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

Written or oral warnings must be given to workers who are expected to be in treated area or in an area about to be treated with this product. Instruct workers of the area or fields that must be vacated an interval entered until the sprays have dried. Acquaint workers with the information appearing on this label under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment". When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: 1) The name of this product, 2) Date of application, 3) The statement "Do not enter without appropriate protective clothing until sprays have dried"; 4) The information given under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment" that is appropriate in case of accidental exposure.

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**DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING
FARMWORKER HAND LABOR TASKS.
VEGETABLE FOLIAR INSECTS**

Unless otherwise stated, foliar applications of Diazinon® AG4E should always be applied to vegetable crops as a spray in a minimum of 2 gals of water per acre for aerial applications and a minimum of 10 gals of water per acre for ground applications.

BEANS: POLE BEANS, SNAP BEANS, LIMA BEANS (Black Bean Aphids, Mexican Bean Beetles, Leafminers): Apply 1-1½ pts. per acre. (Cucumber Beetles): Apply ½ pt. in 100 gals. of water per acre. **LIMA BEANS** (Dipterous Leafminers, Leafhoppers, Mites): Apply 1 pt. per acre. Do not apply to listed beans 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 AND CAULIFLOWER (Aphids, Diamondback Moths, Imported Cabbageworms): Apply 1/2-1 pt. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days, of harvest.

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 & TURNIP TOPS (Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms): Apply 1 pt. per acre. Do not apply to collards, kale or turnip tops within 10 days, or to Swiss Chard within 12 days of harvest.

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

LETTUCE AND ENDIVE (Aphids, Dipterous Leaf Miners): Apply 1/2-1 pt. per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH: CANTALOUPE, CASABAS, CRENSHAW, HONEYDEW MELONS, MUSKME ONS, PERSIAN MELONS and Hybrids of these. **WATERMELONS** and their Hybrids. **SUMMER AND WINTER SQUASH** (Aphids, Leafminers, Mites): Apply 1-1½ pts. per acre. (Serpentine Leafminers, Thrips): Apply 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, Leaf Miners): Apply 1-1 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 ½-1 pt. per acre. (Banded Cucumber Beetles, Leafhoppers, Southern Armyworms): Apply 1-1 pt. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS & TURNIPS (Aphids, Flea Beetles, Dipterous Leaf Miners): Apply ½-1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH & BEETS (Aphids, Dipterous Leafminers): 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 & SQUASH

SWEET CORN (Corn Earworms): Apply 1-1½ qts. per acre when silks first appear. Two to three applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last applications. Corn forage may be fed to dairy and beef cattle and sheep. Refer also to CORN under FIELD & FORAGE FOLIAR INSECTS and FIELD & FORAGE SOIL INSECTS.

TOMATOES (Aphids, Dipterous Leaf Miners): Apply ½ pt. per acre. To control leafminers, 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.

FRUIT AND NUT CROPS

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

ALMONDS (Mites, Twig Borers): Apply 1-1½ pts. per 100 gals. of water. (Patriaria Scales, San Jose Scales): Mix 1-1½ pts. of Diazinon® AG4E 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.

APRICOTS (Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers): Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear. (Olive Scale Crawlers): Mix 1 pt. of Diazinon® AG4E plus 1½ gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. (Apricot Mealybug): 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.

BLUEBERRIES (Cranberry Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Twospotted Mites): Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre, or apply 2 pts. per acre in sufficient water for thorough coverage. Do not apply within 7 days of harvest.

CANEBERRIES: BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES (Leafhoppers, Thrips, Aphids, Twospotted Mites, Raspberry Sawflies): Mix 1 pt. per 100 gals. of water and apply up to 200 gals. of spray per acre, or apply 2 pts. per acre in sufficient water for thorough coverage. (Raspberry Fruitworms): Apply at the above rates when blossom buds separate and repeat applications 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 the 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 Borer (Raspberry Root Borer)): Apply 2 qts. per acre in a minimum of 100 gals. of water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form or in the fall after harvest.

CHERRIES (Eyespotted Bud Moths, Fruitree Leafrollers): Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall. (Cherry Fruit Flies): Mix ½-1 pt. per 100 gals. of water. Make 3 or 4 applications beginning when adult cherry fruit flies begin to emerge and repeat at 10 day intervals. (Leafhoppers): Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season or apply as infestations develop. (Black Cherry Aphids): Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days. (San Jose Scale Crawlers): Mix 1 pt. per 100 gals. of water. Apply during the pre pink stage or when crawlers first appear. Do not apply within 10 days of harvest. (Cherry Rust Mites): Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS: GRAPEFRUITS, LEMONS, LIMES, TANGELOS, TANGERINES, CITRUS, CITRON, KUMQUATS and hybrids of these. (Citrus Aphids, Fruitree Leafrollers, Cottony cushion Scale Crawlers, Soft Scale Crawlers): Apply ½-1 pt. per 100 gals. of water. (Maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of insects first appear. (Fruitree Leafrollers): Use ½-1 pt. per 100 gals. of spray. (Maximum 1,000 gals. per acre) when an average of 50% of eggs in egg masses have hatched in the spring. (Citrus Thrips): Apply 1 pt. in 100 gals. of water. (Maximum 1,000 gals. per acre when thrips first appear. (Citrus Snow Scales): Apply 1-2 pts. per 100 gals. of water. (Maximum 1,000 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 when these are important resources.

CRANBERRIES: (Blackheaded Fireworms (Rhopobota Naevana)): Apply 2 qts. in 400 gals. of water per acre. (Cranberry Fruitworms): Apply 3 qts. in 400 gals. of water per acre. Do not apply within 7 days of harvest.

FIGS (Vinegar Flies (Drosophila spp), Dried Fruit Beetles): Apply 1 pt. per 100 gals. of water per acre. Do not apply within 5 days of harvest.

FILBERTS (Filbert Leafrollers, 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 Leafrollers): 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.

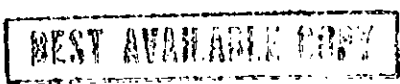
OLIVES (Olive Scales): Mix 1-1 pt. Diazinon® AG4E plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July. Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

PEACHES & NECTARINES (Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers): Mix 1 pt. per 100 gals. of water. Apply when aphids, mites and scale crawlers first appear. (Olive Scale Crawlers): Mix ½ pt. of Diazinon® AG4E 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 petal fall. Make 2 additional applications at 10 day intervals. Time the last application to peak adult oriental fruit moth flight, if possible. (Peach Twig Borer): Mix 1 pt. per 100 gals. of water and apply to peaches in May and June. (Leafhoppers - Peaches Only): Apply 1 qt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season or apply as infestations develop. (White Peach Scale - Peaches Only): As a post-harvest spray, apply 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 70 days, or to nectarines within 10 days, of harvest.

PECANS (Aphids, Mites, Pecan Nut Casebearers, Walnut Caterpillars): Apply 1-3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after the husks crack.

PINEAPPLE (Scales): Apply 5 qts. of Diazinon® AG4E 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 etc. (Pineapple Mealybug): Apply 2 qts. per acre in a minimum of 100 gals. of water. May be applied on day of harvest. Pineapple forage and refuse may be fed to livestock 7 days following last application.

PLUMS & PRUNES (Brown Mites (Clover Mites), European Red Mites): Apply 1 pt. per 100 gals. of water. (Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids): Apply 1-1 pt. per 100 gals. of water. Do not apply within 30 days of harvest.



STRAWBERRIES (Aphids, Twospotted Spider Mites): Apply 1 qt. 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 1-2 days before transplanting and mix into the top 1-2 inches of soil immediately. (Strawberry Leafrollers): Mix 1/2-1 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.

FIELD & FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar applications of Diazinon® AG4E should always be applied to field and forage crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

ALFALFA AND CLOVER (Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites): Apply 1/2-1 qt. per acre. (Grasshoppers): Apply 1 pt. per acre. Following these 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 applications 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 per acre for aerial applications and 5 gals. of water for ground applications. (Corn Rootworms Adults): Apply 1/2-1 pt. per acre. (Corn Leaf Aphids): Apply 1-2 pts. per acre. Complete coverage of the upper portions of the plants is essential. Repeat applications as necessary. (Mites): Apply 1 pt. per acre when infestations first appear. Repeat applications as necessary. (Flea Beetles): Apply 1 pt. per acre when insects first appear. Repeat applications as necessary. (Grasshoppers): Apply 1 pt. per acre. (Sap Beetles): Apply 2-3 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 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 Bugs, Cotton Leafworms, Cotton Leafperforators): Apply 1-2 pts. in 5-25 gals. of water per acre. Repeat as infestations warrant. Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed gin waste to livestock.

GUAR (Texas and Oklahoma Only) (Midge): Apply 1/2-1 pt. per acre in a minimum of 10 gals. of water for ground applications or 2 gals. of water for aerial application when 15% of the blooms are infested. Should the infestation warrant, repeat applications should be made in 5-6 days. Do not make more than 3 applications to the same crop. Do not apply within 12 weeks of harvest. Do not graze or feed treated forage to livestock within 12 weeks of harvest.

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 1/2-1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within 4 days. (Mites): Apply 1 pt. per acre when infestation first appears and repeat applications necessary. (Greenbug): Apply at the rates indicated below when infestation first appears and repeat as necessary. Texas & Oklahoma - Apply 1/2-1 pt. per acre. All other areas - Apply 1 pt. per acre. Crop may be fed to livestock within 7 days of harvesting for grain.

SUGAR BEETS (Beet Leafhoppers, Dipterous Leafminers, Aphids): Apply 1/2-1 pt. per acre. (Grasshoppers): Apply 1 pt. per acre. Tops may be fed to beef and dairy animals.

SUGARCANE (Aphids): Apply 1/2-1 pt. per acre. Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

TOBACCO (Aphids, Flea Beetles): Apply 1/2-1 pt. per acre. Do not apply within 3 days of harvest. (Grasshoppers): Apply 1 pt. per acre. Do not apply within 14 days of harvest.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Store in the closed, original container in a locked area away from children and domestic animals. Store in a cool, dry place. Avoid excessive heat. Open container carefully. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticides, 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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. Do not cut or weld metal containers. Plastic containers may be incinerated or burned if allowed by state and local authorities. If burned, stay out of smoke. Do not reuse empty container. **LIMITED WARRANTY: BUYER ASSUMES ALL RISKS OF USE, STORAGE AND HANDLING OF THIS MATERIAL NOT IN STRICT ACCORDANCE WITH DIRECTIONS GIVEN HERewith.**

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Prod No. 02075



**DIAZINON® MIXTURE
(RQ) NA-2783**

