

201-306

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It is noted that the storage and disposal text refers to plastic and metal containers. Although section III of the current application indicating container type and sizes was not filled out on this submission, your previous submission of December 27, 1982, indicated 1, 5, 30, and 55-gallon metal containers only. If only metal containers are still used, then delete references to burning or incinerating plastic containers.

Sincerely yours,

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

RD/IRB:LaRocca:DCR-29214:WANG-0298K:nns:Raven:479-2013:7/24/84  
Revised:RD/IRB:LaRocca:DCR-29223:WANG-0298K:bgt:Raven:479-2013:8/1/84

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027

# 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

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	
DIAZINON (O, O Diethyl C (2 isopropyl 6 methyl 4 pyrimid nyl) phosphorothioate)	48%
INERT INGREDIENTS	52%
Total	100%

EPA Reg. No 904 308

EPA Est. No 72 PA 1

**DIAZINON AG4E CONTAINS 4 LBS. DIAZINON PER GALLON**  
Diazinon - Trademark of CIBA-GEIGY Corp., Ardsley, New York

### KEEP OUT OF REACH OF CHILDREN WARNING AVISO

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

#### 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 person.

**NOTE TO PHYSICIAN** — If signs of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be administered 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/An Alco Standard Company

**NET CONTENTS: 5 GALLON LIQUID**

ACCEPTED  
with COMMENTS  
in EPA Letter 1/2/66

AUG 14 1966

904-308

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Diazinon AG 4E ③  
904-306

**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.		Remarks
	Diazinon® AG4E	Water	
Leah Church Bugs	2.3 fl. oz. or 3.8 fl. oz.	25 gal. 1	Use higher rate for longer residual control and in areas of dense growth such as St. Augustine lawn.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fire Beetles, Lawn Billbugs, Red Wireworms, Saw Worms (Lawn Moths), Sowbugs	4 fl. oz.	3 gal.	Spot spray and hills and steep ground near openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For Fire Beetles, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Green Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhopper	1 1/4 fl. oz.	3 gal.	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gal.	
Anthrenus Scale	5 fl. oz.	25 gal. 1	Apply when crawler first emerges.

10: make application in 3 gal. of water per 1,000 sq. ft. and thoroughly water immediately following application.

Billbugs and White Grubs (Japanese Beetle Larvae, European Chaffer and Southern Chaffer) 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 the seed or brown grass is present, indicating damage from the insect.

Hyperodes Weed (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.

Boatworm Bugs: Spray bugs outside the home with 1 1/4-2 1/4 fl. oz. (1/2-5 tablespoon) 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.

**FOREST INSECTS**

PMH (Seed Orchards, Plantations, Forests) (Arkansas Sawfly (Lobley Sawfly)) Apply 1 pt. per acre over the tree canopy. Application should be made with a minimum of 2 gal. of spray per acre in areas not more than 80 ft. wide. Repeat application as needed.

**MUSHROOM HOUSES (Mushroom Flies - Phoridae & Sciarae):** Mix 1/4-1 gal. in 50 gal. of water (0.5% - 1.0% actual Diazinon) and spray on outside and inside walls and vent factors in 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 pt. in 5 gal. of water and apply with a brush. Do not treat after spawning.

**DIRECTIONS FOR CONTROL OF PHORID AND SCIARA FLIES IN MUSHROOM HOUSES**

Spray on compost at time of spawning and thoroughly incorporate through compost using spading 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
- 2/3 pint Diazinon AG4E per 1,000 sq. ft. when mixed in 2 inches

**DELUTE 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 applied to the beds tends to delay and reduce mushroom production.

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**RANGE, PASTURE & GRASSLAND INSECTS**

Unless otherwise stated, Diazinon (R) 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 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 use 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, applications of Diazinon (R) AG4E should always be applied in a minimum of 5 gals. of water per acre for ground applications.

**CUTWORMS (SURFACE & SUBTERRANEAN)** (Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Lima Beans, Mushrooms, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, Watermelon, 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 spray also controls cutworms, larvae of subterranean mole crickets, root maggots and wireworms.

**MOLE CRICKETS** (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, 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 7-12 days prior to sowing of seed. Work into soil immediately. Work into soil 2-3 inches.

**ONION MAGGOTS** (Onions) Furrow Application Apply 1 qt. per acre in 200 gal. water per acre to the seed furrow at planting time. Broadcast Application Broadcast 4 qts. per acre just prior to planting. Work into soil 4 inches immediately.

**ROOT MAGGOTS** (Broccoli, Brussels Sprouts, Cabbage & Cauliflower) Broadcast Application Broadcast 2-3 qts. per acre immediately with the soil 3-4 inches before seeding either in the seedbed or in the field before transplanting. Transplant Application Mix 1 qt. per acre in 50 gals. of water and apply to soil 3-4 inches before transplanting. Make application to soil 3-4 inches before transplanting. Mounted or layered plants with root maggots should be discarded. The use of plant transplant water treatments may result in sterile seedling production. (Redbeets) Mix 1 qt. in 50 gals. of water. Apply 100 gals. per acre. Work into soil 4 inches before planting.

**WIREWORMS** (Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Lima Beans, Mushrooms, Onions, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Potatoes, Swiss Chard, Tomatoes, Watermelon, Winter Squash) Broadcast 3-4 qts. per acre just prior to planting and work into soil 4-8 inches immediately. (Potatoes) Broadcast 4 qts. per acre prior to planting. Immediate use of soil 4-8 inches.

**SOUTHERN POTATO WIREWORMS** (Southeastern U.S.) (Potatoes) Insecticide control Southern Potato wireworms in potatoe greenhouses. In the Southeast apply 2-4 qts. per acre as a soil treatment prior to planting. Immediate use of soil 4-8 inches. (Other suitable means of control are dependent on location of infestations.)

**FIELD & FORAGE SOIL INSECTS**

Unless otherwise stated, applications of Diazinon (R) AG4E should always be applied in a minimum of 5 gals. of water per acre for ground applications.

**ALFALFA & CLOVER** (Cutworms - Surface & Subterranean) Apply 1 qt. 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 use 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.

**CORN (Corn Rootworm Larvae)** Part A: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part B: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part C: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part D: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part E: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part F: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part G: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part H: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part I: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part J: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part K: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part L: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part M: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part N: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part O: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part P: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part Q: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part R: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part S: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part T: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part U: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part V: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part W: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part X: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part Y: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting. Part Z: Apply 1 qt. per acre in 200 gal. of water. Make application to soil 3-4 inches before planting.

**ROW SPACING CHART - Suggested Rates for Corn Rootworm Larvae Control**

Row Spacing	Linear Feet of Corn Row Acre	Planting time Application	Post-emergence Soil Treatment
48"	1,690	29 - 56 oz	14 - 28 oz
42"	1,905	31 - 62 oz	15.5 - 31 oz
36"	2,120	32 - 64 oz (2 qts) 18 - 36 oz (1 qt)	
30"	2,520	35 - 70 oz	17.5 - 35 oz
24"	2,920	38 - 76 oz	18 - 36 oz
20"	3,420	44 - 88 oz	22 - 44 oz
18"	3,780	55 - 110 oz	27.5 - 55 oz
15"	4,530	64 - 128 oz (2.4 qts) 32 - 64 oz (1.2 qts)	
12"	5,460	88 - 176 oz	44 - 88 oz

**NOTE:** The above suggested rates are based on a 40-inch row spacing. Calculate the appropriate dosage rate based on the 40-inch row spacing.

**(Seed Corn Maggots)** Broadcast 2-4 qts. per acre just prior to planting. Work into soil 2 inches immediately. (Cutworms - Surface & Subterranean) Broadcast 2-4 qts. per acre. For surface cutworms apply just prior to planting or after insects first appear and work into soil 2 inches immediately. Do not apply late than 1 day before planting. 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.

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

**PEANUTS** (Cutworms) Apply 2 qts. per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin application when small larvae appear. Two or three additional applications at 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 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 piece 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 pt. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to unprotected 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 pts. per acre just prior to transplanting. Work into soil 3-4 inches immediately.

**WATERCRESS** (Hawaii Only) (Cyclops 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 crown and growing top 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.

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

Written or oral warnings must be given to workers who are expected to be in treated areas or in an area about to be treated with this product. Instruct workers of the area or fields that must be vacated and not re-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.

DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS

VEGETABLE FOLIAR INSECTS
Apply 1/2 to 1 pt per acre (100 gal water) to vegetable crops as a spray. Do not apply to watermelons, cantaloupes, muskmelons, Persian melons, and hybrids of these. Do not apply to summer and winter squash (Aphididae, Leafminers, Mites). Apply 1/2 pt per acre to beans (Aphididae, Leafminers, Mites). Do not apply to beans within 7 days of harvest. Do not apply to beans for use as feed for dairy and beef cattle and sheep. Wait 4 days following treatment for use as feed for hay.
BEANS, POLE BEANS, SHIP BEANS, LIMA BEANS (Black Bean Aphid, Mexican Bean Beetle, Leafminers) Apply 1/2 to 1 pt per acre (100 gal water) per acre. Do not apply to beans within 7 days of harvest. Do not apply to beans for use as feed for dairy and beef cattle and sheep. Wait 4 days following treatment for use as feed for hay.
BROCCOLI, CABBAGE & CAULIFLOWER (Aphididae, Diamondback Moth, Imported Cabbageworm) Apply 1/2 to 1 pt per acre. Applications at 7 to 14 day intervals are usually required. Do not apply to broccoli or cauliflower within 5 days of harvest.
BRUSSELS SPROUTS (Aphididae, Diamondback Moth, Imported Cabbageworm) Apply 1/2 to 1 pt per acre. Generally apply at 7 to 14 day intervals. Do not apply to brussels sprouts within 7 days of harvest.
CARROTS (Aphididae) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.
CELERY (Aphididae, Flea Beetles) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest. Plants should be well irrigated and removed before being shipped or used. Tops should not be used for feed.
COLLARDS, KALE, SWISS CHARD & TURNIP TOPS (Aphididae, Imported Cabbageworm, Diamondback Moth, Harlequin Cabbage Bug, Corn Earworm) Apply 1/2 to 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 (Aphididae, Serpentine Leafminers, Thrips) Apply 1/2 to 1 pt per acre. Do not apply within 7 days of harvest.
LETTUCE & ENDIVE (Aphididae, Dipterous Leaf Miners) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.

MELONS & SQUASH CANTALOUPE CASABA CRENSHAW
HONEYDEW MELONS MUSKMELONS PERSIAN MELONS and hybrids of these WATERMELONS and their hybrids SUMMER & WINTER SQUASH (Aphididae, Leafminers, Mites) Apply 1/2 to 1 pt per acre (Serpentine Leafminers, Thrips) Apply 1/2 to 1 pt per acre. Do not apply to melons and winter squash within 7 days of harvest.
ONIONS (Onion Thrips) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.
PEAS (Aphididae, Leaf Miners) Apply 1/2 to 1 pt per acre. Peas may be used immediately for feed and peas in hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment for use as feed for hay.
PEPPERS (Aphididae, Serpentine Leaf Miners) Apply 1/2 to 1 pt per acre. Do not apply within 5 days of harvest.
POTATOES (Aphididae, Flea Beetles, Colorado Potato Beetle, Dipterous Leaf Miners) Apply 1/2 to 1 pt per acre (Banded Cucumber Beetle, Leafhoppers, Southern Armyworm) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.
RADISHES, PARSNIPS & TURNIPS (Aphididae, Flea Beetles, Dipterous Leaf Miners) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.
SPINACH & BEETS (Aphididae, Dipterous Leafminers) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest.
SQUASH, SUMMER & WINTER See MELONS & SQUASH
SWEET CORN (Corn Earworm) Apply 1/2 to 1 pt per acre and use first application at 7 to 14 day intervals. Do not apply within 10 days of harvest. Do not apply to sweet corn for use as feed for dairy and beef cattle and sheep. Refer to the label for FIELD & FORAGE FOLIAR INSECTS and FIELD & FORAGE SOIL INSECTS.
TOMATOES (Aphididae, Dipterous Leafminers) Apply 1/2 to 1 pt per acre. Do not apply within 10 days of harvest. Do not apply to tomatoes for use as feed for dairy and beef cattle and sheep. Refer to the label for FIELD & FORAGE FOLIAR INSECTS and FIELD & FORAGE SOIL INSECTS.

FRUIT AND NUT CROPS

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

ALMONDS (Nuts, Yung Borers) Apply 1.5 pts. per 100 gals. of water (Pestiferous Scales, San Jose Scales) Mix 1.5 pts. of Diazinon (R) AG4E with 2.3 gals. dormant oil per 100 gals. of water and apply as a dormant oil spray. Almond hulls may be used for feed for livestock.

APRICOTS (Aphids, Brown Mites (Clover Mites), Twospotted Spider Mite, Olive Scale Crawlers, San Jose Scale Crawlers) Mix 1.5 pts. per 100 gals. water. Apply when aphids, mites and scale crawlers first appear. (Olive Scale Crawlers) Mix 1 pt. Diazinon (R) AG4E plus 1.5 gals. dormant oil per 100 gals. of water. Apply when scale crawlers first appear. (Agricultural Mealybugs) Mix 1 pt. per 100 gals. of water. Apply from petal fall to June. Do not apply within 10 days of harvest.

BLUEBERRIES (Cranberry Fruitworms, Cherry Fruitworms, Blueberry Nettle, Aphids, Thrips, Twospotted Mite) 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, BOYBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES (Leafhoppers, Thrips, Aphids, Twospotted Mite, Raspberry Sawflies) Mix 1 pt. per 100 gals. of water. Apply 2 pts. per acre of spray per acre or apply 2 pts. per acre in sufficient water for thorough coverage. (Raspberry Fruitworms) Apply at the above rates when buds separate and repeat application immediately before blossoming. (Dewberry 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 starting to grow and buds are closed. Make a second application when the buds are 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 Moth, Fruittree Leafrollers) Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary beginning with petal fall. (Cherry Fruit Fly) Mix 1 pt. per 100 gals. of water. Make 3 or 4 applications beginning when adult cherry fruit has begun to emerge and repeat at 10 day intervals. (Leafhoppers) Apply 1 pt. per 100 gals. of water in 3 applications beginning at petal fall and continuing through the growing season as pest infestations develop. (Black Cherry Aphid) 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 early stage of when crawlers first appear. Do not apply within 10 days of harvest. (Cherry Rust Mite) Mix 1.5 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS, GRAPEFRUITS, LEMONS, LINES, TANGELOS, TANGERINES, CITRUS, CITRON, KUMQUATS and hybrids of these (Citrus Aphids, Fruittree Leafrollers, Citrus Scale Crawlers, San Jose Scale Crawlers) Apply 1 pt. per 100 gals. of water. Maximum 1,000 gals. per acre as a thorough cover spray when aphids and crawler stages first appear. (Fruittree Leafrollers) Mix 1 pt. per 100 gals. of water. Apply 1,000 gals. per acre when an average of 5% of eggs or young larvae are hatched in the spring. (Citrus Thrips) Apply 1.5 pt. per 100 gals. of water. Maximum 1,000 gals. per acre when thrips first appear. (Citrus Snow Scale) Apply 1.2 pts. per 100 gals. of water. Maximum 1,000 gals. per acre as a dormant spray as a preventive spray for heavy scale infestation. Use the other stages of the scale for control. Repeat with 21 days interval. Spray and wash may be killed at any time with recommended insecticide. Do not apply where these are used for food.

CRANBERRIES (Blackheaded Fruitworms (Rhagoletis hearseana)) Apply 1.5 gals. of water per acre. (Cranberry Fruitworms) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

FIGS (Vinegar Fly (Drosophila sp.) Dried Fruit Beetles) Apply 1.5 gals. of water. Do not apply within 10 days of harvest.

GILBERTS (Horn Leafhoppers, Aphids) Apply 1.5 gals. of water. Do not apply within 10 days of harvest.

GRAPES (Pacific Spider Mite, Leafhoppers, Grape Berry Mite, Grape Leafhoppers) Apply 1.5 pts. per 100 gals. of water. Do not apply within 10 days of harvest. (Dried Fruit Beetles) Apply 1.5 gals. of water. Do not apply within 10 days of harvest. (Grape Leafhoppers) Apply 1.5 gals. of water. Do not apply within 10 days of harvest. (Grape Berry Mite) Apply 1.5 gals. of water. Do not apply within 10 days of harvest.

OLIVES (Olive Scales) Mix 1.5 pts. per 100 gals. of water. Do not apply within 10 days of harvest.

PEACHES & NECTARINES (Aphids, Brown Mites (Clover Mites), Twospotted Spider Mite, Olive Scale Crawlers, San Jose Scale Crawlers) Mix 1.5 pts. per 100 gals. of water. Apply when aphids, mites and scale crawlers first appear. (Olive Scale Crawlers) Mix 1 pt. Diazinon (R) AG4E plus 1.5 gals. dormant oil per 100 gals. of water. Apply when scale crawlers first appear. (Oriental Fruit Moth) Mix 1 pt. per 100 gals. of water. Apply from petal fall to June. Do not apply within 10 days of harvest. (Peach Tree Borer) Mix 1 pt. per 100 gals. of water. Apply from petal fall to June. Do not apply within 10 days of harvest. (Leafhoppers - Peaches Only) Apply 1 pt. per 100 gals. of water. Apply from petal fall to June. Do not apply within 10 days of harvest. (White Peach Scale) Apply 1.5 gals. of water. Do not apply within 10 days of harvest.

PECANS (Aphids, Mites, Pecan Nut Casebearer, Walnut Caterpillars) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

PINEAPPLE (Scale, Mealybugs, Thrips, Mites) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

PLUMS & PRUNES (Brown Mites (Clover Mites), European Red Mites) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest. (Leafcurl Plum Aphid, Mealy Plum Aphid, Thistle Aphid) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

STRAWBERRIES (Aphids, Twospotted Spider Mite) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest. (Cyclamen Mite) Apply 1 pt. per 100 gals. of water per acre. Do not apply within 10 days of harvest. (Mole Crickets) Broadcast 1 pt. per acre when soil is moist. Apply before transplanting. (Strawberry Leafroller) Mix 1 pt. per 100 gals. of water. Apply 2 pts. per acre when buds separate. Do not apply within 10 days of harvest.

WALNUTS (Aphids, Mites) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest. (Girdling Moths, Scale Crawlers, Walnut Caterpillars) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

FIELD & FORAGE FOLIAR INSECTS

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

ALFALFA & CLOVER (Spotted Alfalfa Aphid, Yellow Clover Aphid, Flea Aphid, Leafhoppers, Plant Bug Nymphs, Mites) Apply 1.5 pt. per acre. Following these applications daily and repeat as necessary. Alfalfa may be grazed immediately following application. Do not apply within 10 days of cutting. Do not apply within 10 days of cutting. Alfalfa may be grazed immediately following application. Do not apply within 10 days of cutting. Alfalfa may be grazed immediately following application. Do not apply within 10 days of cutting.

CLOVER (Striped Ground Crickets) Broadcast 1.2 pts. per acre following sprouting. Do not apply within 10 days of cutting.

CORN (Corn Earworm, Corn Rootworm, Corn Aphid, Corn Leafhopper) Apply 1.5 pts. per acre. Repeat as necessary. (Mites) Apply 1.5 pt. per acre when infested. Repeat as necessary. (Flea Beetles) Apply 1 pt. per acre after planting. (Sawflies) Apply 2.5 pts. per acre. Apply 2 gals. of water per acre. Do not apply within 10 days of cutting.

COTTON (Spider Mites, Aphids, Leafhoppers, Lygus Bugs, Cotton Leafworm, Cotton Leafroller) Apply 1.5 pts. in 2.5 gals. of water per acre. Repeat as necessary. Do not apply within 10 days of harvest.

GUAR (Texas Leafhopper) (Mites) Apply 1.5 pt. per acre in a minimum of 2 gals. of water. Do not apply within 10 days of harvest.

SORGHUM (Sorghum Midge) Apply 1.5 pt. per acre. Do not apply within 10 days of harvest. (Mites) Apply 1.5 pt. per acre when infested. Repeat as necessary.

SUGAR BEETS (Beet Leafhoppers, Deteriorating Leafhoppers, Aphids) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

TOBACCO (Aphids, Flea Beetles) Apply 1.5 gals. of water per acre. Do not apply within 10 days of harvest.

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Diazinon AG 4E 404-306

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#### 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 E.P.A. 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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Mr. Henry Pratt  
Pratt-Gabriel Division  
Miller Chemical & Fertilizer Corporation  
P. O. Box 333  
Hanover, PA 17331

Dear Mr. Pratt:

Subject: Amendment - Update per PR Notices 83-2 and 83-3  
Pratt Diazinon AG4E  
EPA Registration No. 904-306  
Your Application Dated June 27, 1984

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

For the actual finished label printing please make the following changes:

1. Add "or convulsing" between "unconscious" and "person" in the "If Swallowed" advice.
2. Revise the Note to Physician to read:

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.

3. Delete "Ticks" (unspecified) from the Lawn Insect Control Chart, third block. The one species, brown dog ticks, for which the Agency has acceptable control data, already appears in this same block of the chart.

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CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							