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SEP 11 1987

Mr. Terry Miller
Wilbur-Ellis Company
191 West Shaw Avenue, Suite 107
Fresno, CA 93704-2876

Dear Mr. Miller:

Subject: Amendments - Label Changes/Add Additional Sites
Change of Brand Name/Note to Physician
Wilbur-Ellis Diazinon 4 Spray
EPA Registration No. 2935-388-AA
Your Application Dated August 6, 1987

The amendments referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), are acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Add the statement "Recommended for Agricultural/Commercial Use."
 - b. All of the precautionary statements should appear on the container label. Therefore, place the fish and wildlife precautions under the heading "Environmental Hazards" on the outer container label.
 - c. The storage and disposal instructions on the "Accompanying Directions Sheet" is not the same as that appearing on the outer label. Please correct.
 - d. Based upon a flashpoint of 104 °F the statement "Do not use or pour near heat or open flame" should appear on the front panel under the heading "Physical/Chemical Hazards." Also, make appropriate correction on "Accompanying Directions Sheet."

15287:I:Stevenson:LR-3;KENCO:9/4/87:9/16/87;aw:vo:dg:cb:dsg:DD

CONCURRENCES

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

The change in product name is noted. Our records will reflect the new product name as "Wilbur-Ellis Diazinon 4 Spray"

Sincerely yours,

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

Enclosure

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

Wilbur-Ellis

DIAZINON 4 SPRAY

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

ACTIVE INGREDIENT:

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate], 48.72%

INERT INGREDIENTS* 51.28%

*Contains Xylene range aromatic solvent.

TOTAL 100.00%

Diazinon 4 Spray contains 4 lbs. Diazinon per gallon.

EPA Reg. No. 2935-388-AA

~~Advertisement~~
~~Not for Sale~~
In 67th Letter Dated:

SEP 1 1 1987

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

2935-388

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WARNING: KEEP OUT OF REACH OF CHILDREN!

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

See directions sheet for use recommendations.

FISH AND WILDLIFE PRECAUTIONS: This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Apply this product only as specified on this label.

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

DO NOT RE-USE EMPTY CONTAINER. Destroy it by perforating or crushing or returning drum to reconditioner. Bury or discard perforated or crushed drums and containers in a safe place away from water supplies.

WARNING — FLAMMABLE! Keep away from heat or open flame.

DIRECTIONS FOR USE: Use designated amount of product in the following gallons of water per acre unless otherwise noted.

GROUND APPLICATION — Vegetable and Field Crops: 30 to 250 gals. Cotton: 3 to 20 gallons. Deciduous Fruit Crops: 60 to 800 gals. Citrus: 400 to 3,000 gals. (On Young Fruit Plantings - Use a minimum of 15 gals. water per acre). Where Recommended for **AIR APPLICATION — VEGETABLE AND FIELD CROPS —** 3 to 10 gals. Orchard Crops — 10 to 20 gals.

Do not apply this product through any type of irrigation system.

GENERAL INFORMATION: Diazinon 4 Spray is an emulsifiable solution which when diluted with water according to the directions below is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

In the directions for use given below, unless otherwise noted, Diazinon 4 Spray should be mixed with sufficient water to assure thorough coverage. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control.

Wilbur-Ellis

P.O. Box 16458, Fresno, CA 93755

UNION MAGGOTS: Onions:

Furrow Application: Apply 1 qt. per acre in sufficient water to drench the seed furrow at planting time.

Broadcast Application: Broadcast 2-4 qts. per acre just prior to planting. Work into soil 3-4 inches immediately.

ROOT MAGGOTS: Broccoli, Brussels Sprouts, Cabbage, and Cauliflower:

Broadcast Application: Broadcast 2-3 qts. per acre and immediately work into the soil 3-4 inches before seeding, either in the seedbed or in the field, or before transplanting.

Transplant Water (Drench) Application: Mix $\frac{1}{2}$ - $\frac{1}{2}$ pt. in 50 gals. of transplant water, when 200-300 gals. of water are used per acre. May be applied at the rate of $\frac{1}{2}$ -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- $\frac{1}{2}$ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (escarole), Kale, Lettuce, Lima Beans, Musk Melon, Onions, Parsley, Peas, Peppers, Snap Beans, Spinach, Summer Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Watermelon, Winter Squash.

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

Patatoes: Wireworms: Broadcast 3-6 qts. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

FIELD AND FORAGE INSECTS

Diazinon 4 Spray should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

ALFALFA and CLOVER: Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites: Apply $\frac{1}{2}$ -1 pt. per acre.

Leafhoppers: Apply 1 pt. per acre.

Wireworms (Surface and Subterranean): Broadcast 2-4 qts. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms. Following the above applications, dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa Weevil Larvae: For control in the spring, apply 2-3 pts. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary, if damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 3 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.

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 $\frac{1}{2}$ -5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For band treatment, refer to the row spacing chart for amounts recommended per acre.

Post-emergence Basal Treatment: Apply 1 $\frac{1}{2}$ -2 $\frac{1}{2}$ oz. per 1,000 linear feet of corn row in sufficient water to thoroughly wet base of corn plant and 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 tiller 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.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

Row spacing	linear feet of corn row/acre	Amount of Diazinon Planting time application	4 Spray per Acre Post-emergence basal treatment
48"	10,800	28-56 oz.	14-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,048	32-64 oz.	16-32 oz.
		(1-2 qts.)	($\frac{1}{2}$ -1 qt.)
36"	13,939	33-70 oz.	17.3-35 oz.
34"	14,750	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.	32-64 oz.
		(2-4 qts.)	(1-2 qts.)
15"	38,848	88-176 oz.	44-88 oz.

NOTE: For row spacings not listed, calculate the appropriate dosage rates based on the 40-inch row figures.

Seed Corn Maggots: Broadcast 2-4 qts. per acre just prior to planting. Work into soil 2 inches immediately.

Cutworms (Surface and Subterranean): Broadcast 2-4 qts. per acre. For surface cutworms, apply just prior to planting or when larvae first appear, and work into soil 1-2 inches immediately. Do not apply later than layby. For subterranean cutworms, apply just prior to planting, and work into soil 3-6 inches immediately.

Wireworms: Apply 3-4 qts. per acre prior to planting, and work into the soil 4-8 inches immediately.

Corn Rootworm Adults: Apply $\frac{1}{2}$ -1 pt. per acre.

Corn Leaf Aphids: Apply 1-2 pts. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary.

Mites: Apply 1 pt. per acre in sufficient water to achieve thorough coverage when infestation first appears, and repeat applications as necessary.

Plan Beetles: Apply 1 pt. per acre in sufficient water to assure thorough coverage when insects first appear, and repeat application as necessary.

Grasshoppers: Apply 1 pt. per acre.

Soy Beetles: Apply 2-2 $\frac{1}{2}$ pts. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of spray.

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 Leafworms, Cotton Leaf Perforators: Apply 1-2 pts. in 3-7.5 gals. of water per acre. Repeat as infestation warrants.

Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed gin waste to livestock.

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

HOPS: Aphids, Mites: Apply 1 qt. per acre. Do not apply within 14 days of harvest.

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

PEANUTS: Cutworms: Apply 2 qts. per acre in a 12-inch band over the row. Use sufficient water to achieve thorough coverage. 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 31 days following treatment.

SORGHUM: Sorghum Midges: Apply $\frac{1}{2}$ -1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within 4 days.

Mites: Apply 1 pt. per acre in sufficient water to assure thorough coverage when infestation first appears, and repeat applications as necessary.

Grasshoppers: Apply at the rates indicated below in a minimum of 10 gallons of water per acre for ground applications or apply in a minimum of 2 gallons of water per acre for aerial applications. Make applications when infestation first appears and repeat as necessary.

All Other Areas — Apply 1 pt. per acre.

Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

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

SUGAR BEETS: Leafhoppers, Dipterous Leaf Miners, Aphids: Apply $\frac{1}{2}$ -1 pt. per acre.

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

Note: Tops may be fed to beef and dairy animals.

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DIRECTIONS FOR USE (Continued):

FRUIT AND NUT CROPS

ALMONDS: Mites, Twig Borers: Apply 1-1½ pts. per 100 gals. of water. Parlatoria Scales, San Jose Scales: Mix 1-1½ pts. Diazinon plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray. Do not apply more than 12 pts. per acre. Almond hulls may be used for feed for livestock.

APRICOTS: Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive Scale Crawlers: Mix ½ pt. of Diazinon 4 Spray plus 1½ gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Apricot Mealybugs: Mix 1 pt. per 100 gals. of water. Apply as a cover spray from petal fall to June.

Do not apply within 10 days of harvest. Do not apply more than 8 pts. per acre.

APPLES and PEARS (Not for use in California): San Jose scales and mite eggs: Apply 2-4 pints with 2-4 gal. of dormant oil by air during delayed dormant stage at bud development. On young trees (non-bearing) and Pears, use lower rate of oil to reduce phytotoxicity.

CANEBERRIES (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries): Leafhoppers, Thrips, Aphids, Two-spotted 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 application immediately before blossoms open.

Dryberry Mites: Mix 2 pts. per 100 gals. water. Apply as a dormant spray in early spring, when cones 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. Do not apply more than 2 pts. per acre.

Raspberry Crown Borers (Raspberry Root Borers): Mix 2 qts. product per 100 to 200 gals. of water and apply as a drench to the crown area and to the lower cones. Apply either in the spring before berries begin to form or in the fall after harvest. Do not apply more than 12 pts. per acre.

CHERRIES: Eye-spotted Bud Moths, Fruit-tree Leaf Rollers: Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall.

Leafhoppers: Apply 1 pint per 100 gallons of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Cherry Fruit Flies: Mix ½-1 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.

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-bloom stage or when crawlers first appear.

Cherry Rust Mites: Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Do not apply within 10 days of harvest. Do not apply more than 8 pts. per acre.

(Not for use in California): Dormant spray to control scales (including San Jose, parlatoria, black, brush, apricot), mite eggs (including European red mite and brown mite), twig borers, aphid eggs (including apple, black cherry, masly plum) and mealybugs: Apply 1½ pints plus 1-1½ gals. dormant oil per 100 gals. of water. Apply 300-600 gals. per acre by ground.

CITRUS FRUITS: (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these): Citrus Aphids, Fruit-tree Leaf Rollers, Citrus-cushion Scale Crawlers, and 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 scale insects first appear.

Fruit-tree Leaf Rollers: Use ½-1 pt. per 100 gals. of spray (maximum 1,000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 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 trunk, limbs, and twigs is essential.

Do not apply during bloom. Do not apply to citrus within 21 days of harvest. Do not apply more than 20 pts. per acre.

CRAWBERRIES (Not for use in California): Blackheaded fireworms: Apply 2 quarts in 400 gals. of water per acre. Cranberry fruitworms: Apply 3 quarts 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. Do not apply within 3 days of harvest. Do not apply more than 3 pts. per acre.

FILBERTS (Not for use in California): Filbert leaf rollers: Apply 1-2 qts. per acre in 250-400 gals. of water per acre as a thorough cover spray.

GRAPES: Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders: Mix 1 pt. per 100 gals. of water and apply to 1 acre, or apply 2 pts. per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest.

Drosophila spp.: Mix 6 fl. oz. per 100 gals. of water and apply a minimum of 200 gals. water per acre. Apply a maximum of 18 fl. oz. per acre in sufficient water for thorough coverage when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest. Do not apply more than 2 pts. per acre.

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OLIVES: Olive Scale: Mix 1/4 pt. of Diazinon 4 Spray plus 1 1/2 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. Do not apply more than 24 pts. per acre.

PEACHES and NECTARINES: Aphids, Brown Mites (Clever Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive Scale Crawlers: Mix 1/2 pt of Diazinon 4 Spray plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when Scale Crawlers are present.

Oriental fruit Moths: Mix 1 pt. per 100 gals. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult oriental fruit moth flight if possible.

Peach Twig Borers: Mix 1 pt. per 100 gals. of water and apply to peaches in May and June. Leafhoppers (Peaches only): Apply 1 pint per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestation develops.

White Peach Scale (Peaches only): As a post-harvest spray apply 1 1/2-2 pints per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations 2 applications may be necessary.

Do not apply to peaches within 20 days, or to nectarines within 10 days of harvest. Do not apply more than 8 pts. per acre.

PECANS: Aphids, Mites, Pecan Casebearers, Walnut Caterpillars: Apply 1-3 qts. per acre as a foliage spray. Do not apply after husks crack.

PLUMS and PRUNES: Brown Mites (Clever Mites), European Red Mites: Apply 1 pt. per 100 gals. of water.

Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply 1/2-1 pt. per 100 gals. of water.

Do not apply within 10 days of harvest. Do not apply more than 8 pts. per acre.

STRAWBERRIES: Aphids, Two-spotted Spider Mites: Apply 1 pt. per 100 gals. of water per acre.

Cycleman 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.

Male Crickets: Broadcast 1 qt. per acre when insects are present. Apply 1 to 2 days before transplanting and mix into the top 1-2 inches of soil immediately.

Strawberry Leaf Rollers: 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. Do not apply more than 2 pts. per acre.

WALNUTS: Aphids, Mites: Apply 1 qt. per acre as a foliage spray.

Coating Moths, Scale Crawlers, Walnut Caterpillars: Apply 3 qts. per acre as a foliage spray. Do not apply after the husks open. Do not apply more than 6 pts. per acre.

VEGETABLE FOLIAR INSECTS

Diazinon 4 Spray should always be applied as a spray in sufficient water to assure thorough coverage of the foliage.

BEANS: Pole Beans, Snap Beans, Lima Beans: Black Bean Aphids, Mexican Bean Beetle, Leaf Miners: Apply 1 pt. per acre.

Cucumber Beetles: Apply 1/2-1 pt. in 100 gals. 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.

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

BROCCOLI, CABBAGE, 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. Do not apply more than 1 pt. per acre.

COLLARDS, KALE, SWISS CHARD, and TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms: Apply 1/2-1 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 Leaf Miners, 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: Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these; Watermelons and their hybrids; Summer and Winter Squash: Aphids, Leafhoppers, Mites: Apply 1-1 1/2 pts. per acre.

Serpentine Leaf Miners, Thrips: Apply 1/2-1 pt. per acre. Do not apply to melons and winter squash within 3 days, or to summer squash within 7 days, of harvest.

MUSHROOM HOUSES: Mushroom Flies (Phorids and Sclerids): 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. Do not spray compost in beds or after spawning.

To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix 1/2 pt. in 6 gals. of water and apply with a brush. Do not treat compost.

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

PEAS: Aphids, Leaf Miners: Apply 1/2-1 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 1/2 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 1/2-1 pt. per acre.

Banded Cucumber Beetle, Leafhoppers, Southern Armyworms: Apply 1/2-1 pt. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS, and TURNIPS: Aphids, Flea Beetle, Dipterous Leaf Miners: Apply 1/2-1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH and BEETS: Aphids, Dipterous Leaf Miners: Apply 1/2-1 pt. per acre. Do not apply to spinach within 10 days, or to beets within 14 days, of harvest.

SQUASH (Summer and Winter): See Melons and Squash above.

SWEET CORN: Corn Earworms: Apply 1-1 1/2 qts. per acre when silks first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage Insects.

TOMATOES: Aphids, Dipterous Leaf Miners: Apply 1/2 pt. per acre. To control leaf miners, weekly applications are usually required.

Banded Cucumber Beetle, Fall Armyworms, Southern Armyworms: Apply 1/2-1 pt. per acre. Vinegar Flies (Drosophila spp.): Apply 1/2-1 1/2 pts. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

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RANGE, PASTURE, AND GRASSLAND INSECTS

BERMUDAGRASS and FORAGE GRASSES (other than Range and Pasture Grasses): Thrips, White-flies, Grasshoppers: Apply 1 pt. per acre in a minimum of 5 gals. of water.
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, and BARRIED STRIPS: Grasshoppers: Apply 1/2-1 pt. per acre in a minimum of 5 gals. of water or a minimum of 1 gal. of oil. Dairy and beef cattle, and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) rangeland and pasture grasses should not be 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 repeat application for 30 days.
Note: Do not spray livestock directly with either air or ground equipment.

ORNAMENTAL INSECT CONTROL: To control certain insects on ornamentals listed below: Arborescence, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Dogwood, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow apply the recommended rates indicated below.

Apple, Begonia, Carnation Red Mite, Carrot Root Mite, Clover Mite, Cystonema Mite, Dipsosaurus Leaf Mite, European Pine Shoot Moth, European Red Mite, Flea Beetle, Holly Bud Moth, Leafhopper, Osage Root Weevil, Omphalotus Leaf Tiers, Privet Mite, Scale Crawlers (Calf-weevils, Locusts, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Mite, Web worms and Whiteflies: Use 1/2 fl. oz. per 3 gals. water or 1 pt. per 100 gals. water.
Apple and Thorn Skeletonizer, Catenestor Webworms, Fall Webworms, Hornet Chormes, Oak Looper, Oblong-headed Leaf Rollers, Pear Sigs and Tent Caterpillars: Use 1/2 fl. oz. per 3 gals. water or 3 pt. per 100 gals. water. 1 fl. oz. = 2 tablespoons 1 1/2 fl. oz. = 1 pint.
Do not use on certain Ferns, Palmetto, Hibiscus, Papayas, Pines, and Gardenias, since injury to the plants may occur.

Mite Webworms: Mix 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. Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sawbugs and Collembola (Springtails), which are commonly found near the house and may enter the house, spray a 3-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 feet. Repeat application if necessary. Rates are for 1,000 sq. ft.

Do not use this product on golf courses or sod farms.

Lawn Chalc Bugs: 2-3 fl. oz. or 3-4 fl. oz. in 25 gals. water. 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, Flea Beetles, Lawn Billbugs, Sod Webworms (Lawn Moths), and Sawbugs: 4 fl. oz. in 3 gals. water. Spot spray and kill wasp ground nest openings. For lawn billbugs, irritate the lawn thoroughly immediately after treatment. For flea mite, 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, Leafhoppers, and Ticks: 1/2 fl. oz. to 3 gals. water. Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near house.

Millipedes: 8 fl. oz. in 3 gals. water.

Rhodesgrass Scale: 5 fl. oz. in 25 gals. water. Apply when crawlers first emerge.

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

VEGETABLE SOIL INSECTS

Diazinon 4 Spray should always be applied as a spray in sufficient water to assure thorough coverage of the soil.

CUTWORMS (Surface and Subterranean): Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cautiflower, Celery, Collards, Cucumbers, Endive (scarole), Kale, Lettuce, Lima Beans, Mustard, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, Watermelon, Winter Squash. Broadcast 2-4 qt. 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 (Conipodes): Cabbage, Carrots, Corn, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips. Broadcast 10 qt. per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots and wireworms.

MOLE CRICKETS: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive (scarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes, Turnips. Broadcast 1 qt. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting, and work into soil 1-2 inches immediately.

BEST AVAILABLE COPY

Wilbur-Ellis

DIAZINON 4 SPRAY

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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

See directions sheet for use recommendations.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. 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. 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 of closely woven fabric covering the body, including the arms and legs), shoes and socks.

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

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. Oral warnings should specify protective clothing, areas or fields that cannot be entered without this clothing, period of time area is to be vacated, and statement of practical treatment (see right) in case of exposure. 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. Warnings must include the following information: "Warning. Area treated with DIAZINON on (date of application). Do not enter without appropriate protective clothing until sprays have dried. See Statement of Practical Treatment."

DZ4S-2

ACTIVE INGREDIENT:

Diazinon [O, O-Diethyl O-(2-Isopropylthio)phosphorothioate]

INERT INGREDIENTS*

*Contains Xylene Range Aromatic Solvents

DIAZINON 4 SPRAY contains 4 lbs. Diazinon per gallon.

EPA Reg. No. 2935-388-AA

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUCION AL USUARIO: Si usted usa este producto, asegurese de leer la etiqueta hasta que la etiqueta haya sido examinada.

STATEMENT OF PRACTICAL TREATMENT

If swallowed — Call a physician or Poison Control Center. Vomiting should be induced under medical supervision. Give glasses of water and induce vomiting with a finger. Do not induce vomiting or give any food or drink to a convulsing person.

If inhaled — Remove victim to fresh air. If on skin — Remove contaminated clothing and wash with water.

If in eyes — Flush eyes with plenty of water.

Note to Physician: Diazinon is an organophosphorus compound. Symptoms of cholinesterase inhibition are present. 2-PAM is also antidotal and may be given with atropine.

NET CONTENTS

Wilbur-Ellis

P.O. Box 16458

STORAGE AND DISPOSAL

1. **Prohibitions:** Do not contaminate water, food or feed by storage or disposal.
2. **Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excessive pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
3. **Container Disposal:** Triple rinse (or 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.
4. **Storage:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing, or pouring. Do not pour or use near heat or flame.

USE ONLY ACCORDING TO DIRECTIONS ON ACCOMPANYING SHEET.

NOTICE: The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

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RQ, DIAZINON SOLUTION, NA 2783

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IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300