

# Diazinon<sup>®</sup> 4D

**Insecticide**

JUN 29, 1970

100-426

For control of insect pests of  
agricultural crops.

**50 Pounds**  
Net Weight

Active Ingredient:	
O,O-diethyl O-(2-isopropyl- 4-methyl-6-pyrimidinyl) phosphorothioate	4%
Inert Ingredients:	96%
Total:	100%

**Caution:**  
Keep out of reach of chil-  
dren. See additional cau-  
tion statements on back of  
bag.

# Geigy

**DIRECTIONS FOR USE AND  
CONDITIONS OF SALE AND  
WARRANTY**

**IMPORTANT:** Read the entire **Directions For Use** and the **Conditions of Sale and Warranty** before using this product.

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application all of which are beyond the control of Geigy or the Seller. All such risks shall be assumed by the Buyer.

Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks referred to above. Geigy makes no other express or implied warranty of **Fitness** or **Merchantability** or any other express or implied warranty. In no case shall Geigy or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Geigy.

**Directions for Use**

**Fruit and Vegetable Insects**

**Beans (Pole Beans, Snap Beans) (Black Bean Aphids, Mexican Bean Beetles, Leaf Miners, Cucumber Beetles)**  
Apply 30 - 35 lbs per acre when

infestations first appear. Repeat as necessary. 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.

**Blueberries (Blueberry Maggots)**  
Apply 25 lbs. per acre when insects first appear. Repeat as necessary. Do not apply within 7 days of harvest.

**Broccoli, Cabbage and Cauliflower (Aphids, Diamondback Moths, Imported Cabbageworms)**  
Use 30 - 40 lbs. per acre when insects are first noted. Repeat application as infestations warrant. Generally, application at 7 - 10 day intervals will be required. Do not apply to broccoli or cauliflower within 5 days of harvest or to cabbage within 7 days of harvest.

**Grapes (Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders)**  
Apply 20 - 25 lbs. per acre when insects first appear. Repeat as necessary. Do not apply within 18 days of harvest.

**Lima Beans (Black Bean Aphids, Mexican Bean Beetles, Dipterous Leaf Miners, Leafhoppers, Mites)**  
Apply 30 - 35 lbs. per acre when infestations first appear. Repeat as necessary. 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.

**Melons (Cantaloupes, Muskmelons, Watermelons) Summer Squash, Winter Squash (Aphids, Leafhoppers, Mites, Serpentine Leaf Miners, Thrips)**  
Apply 30 - 35 lbs. when insects are first noted. Repeat applications as necessary. Do not apply to melons and winter squash within 3 days of harvest, or to summer squash within 7 days of harvest.

**Onions (Onion Thrips)**  
Apply 25 - 30 lbs. per acre when

insects first appear. Repeat as necessary. Do not apply within 10 days of harvest.

**(Onion Maggots)**  
Use 25 - 35 lbs. per acre and distribute uniformly in the seed furrows at the time of planting seed.

**Peas (Aphids, Leaf Miners)**  
Apply 12.5 lbs. per acre when insects first appear. Repeat the application as necessary. 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)**  
Use 25 - 40 lbs. per acre when insects first appear, repeating as necessary. Do not apply within 5 days of harvest.

**Potatoes (Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners)**  
Apply 30 - 40 lbs. per acre at first sign of infestation. Repeat as infestations warrant. Do not apply within 14 days of harvest.

**(Banded Cucumber Beetles, Leafhoppers, Southern Armyworms)**  
Apply 40 - 50 lbs. per acre at first sign of infestation. Repeat as necessary. Do not apply within 14 days of harvest.

**Strawberries (Aphids, Two-spotted Mites)**  
Use 20 - 30 lbs. per acre when pests are first noted. Repeat as necessary.

**(Cyclamen Mites)**  
Use 30 lbs. per acre when mites are first noted. Repeat as necessary. Dust should be directed into the crowns of the strawberry plants and the plants sufficiently agitated to insure thorough coverage.

**(Leaf Rollers)**  
Use 20 - 30 lbs. per acre when blossoms show color. Do not apply within 5 days of harvest.

**Sweet Corn (Corn Earworms)**

Use 30 - 40 lbs. per acre applied with a high clearance or a hand duster when silks first appear. Two to three repeat applications at 2 - 3 day intervals will be necessary.

**(Grasshoppers)**

Apply 12 - 15 lbs. per acre when insects appear. Repeat as necessary.

Do not apply within 2 days of harvest. Do not feed treated forage to animals being finished for slaughter within 2 days after treatment.

**Tomatoes (Aphids, Dipterous Leaf Miners, Vinegar Flies (*Drosophila* spp.), Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms)**

Apply 30 - 40 lbs. per acre when insects first appear. Repeat application as infestations warrant. For leaf miners and vinegar flies, applications at weekly intervals will generally be required. Do not apply to tomatoes within 3 days of harvest.

**Turnips (Aphid., Diamondback Moths, Imported Cabbageworms)**

Apply 30 - 40 lbs. per acre when insects are first noted. Repeat applications as infestations warrant. Generally, application at 7 - 10 day intervals will be required. Do not apply to turnips within 10 days of harvest.

**Forage Insects****Alfalfa and Clover (Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites, Grasshoppers)**

Apply 12 - 15 lbs. per acre when insects first appear. Repeat as necessary.

Note: Do not apply within 7 days of cutting or grazing by animals being finished for slaughter. Do not dust livestock directly with either air or ground equipment. Do not treat during bloom.

**Grasslands Insects**

Note: 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 following application. Do not dust livestock directly with either air or ground equipment. Do not repeat the application for 30 days.

**Bermudagrass (Thrips, Whiteflies, Grasshoppers)**

Apply 12 - 13 lbs. per acre when insects first appear.

**Pasture and Grass Forage (Grasshoppers)**

Apply 12 - 13 lbs. per acre when insects first appear, preferably in the nymphal stage.

**Ditch Banks, Roadsides, Wastelands, Non-Crop Areas, Barrier Strips (Grasshoppers)**

Apply 12 - 13 lbs. per acre when insects first appear, preferably in the nymphal stage.

**Other Uses****Cotton (Spider Mites, Aphids, Leafhoppers, Lygus, Cotton Leafworms, Cotton Leaf Perforators)**

Apply 20 - 25 lbs. per acre when insects first appear, repeating as necessary. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin waste to livestock.

**Hops (Aphids, Mites)**

Apply 40 - 50 lbs. per acre when insects first appear, repeating as necessary. Do not apply within 14 days of harvest.

**Tobacco (Aphids, Flea Beetles)**

Apply 20 - 25 lbs. per acre when insects first appear, repeating as necessary. Do not apply within 3 days of harvest.

**Notice to User**

The Federal Food and Drug Administration has set tolerances for residues of Diazinon on certain raw agricultural commodities as follows:

60.00 ppm grass (reduced to 40.00 ppm after 24 hours)

40.00 ppm alfalfa (fresh), clover (fresh), corn forage, peanut forage, pineapple forage

25.00 ppm bean forage, pea vines

10.00 ppm alfalfa hay, bean hay, clover hay, grass hay, pea vine hay, peanut hulls and hay, sugar beet tops, sorghum forage

3.00 ppm almond hulls

1.00 ppm lespedeza, olives

0.75 ppm apples, apricots, beans (snap), beet roots, beet tops, blackberries, blueberries, boysenberries, broccoli, Brussels sprouts, cabbage, carrots, cauliflower, celery, cherries, citrus, (grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats, and hybrids of these) collards, corn (kernels and cob with husks removed), cranberries, cucumbers, dandelions, dewberries, endive (escarole), figs, grapes, hops, kale, lettuce, lima beans, loganberries, melons, mustard greens, nectarines, onions, parsley, parsnips, peaches, peanuts, pears, peas with pods (determined on peas after removing any shell present when marketed), peppers, pineapples, plums, (fresh prunes), radishes, raspberries, sorghum grain, spinach, strawberries, sugar beet roots, sugarcane, summer squash, Swiss chard, tomatoes, turnip roots, turnip tops, watercress, wintersquash, cattle (meat, fat and meat by-products), sheep (meat, fat and meat by-products)

0.5 ppm almonds, filberts, pecans, walnuts

0.2 ppm bananas (of which not more than 0.1 p.p.m. shall be present in the pulp after peel is removed), cottonseed

0.1 ppm cowpea forage, cowpeas, potatoes, soybean forage, soybeans, sweet potatoes

Consult the Federal Food and Drug Administration for changes and additions. See Diazinon<sup>®</sup> AG500 (emulsifiable solution), Diazinon<sup>®</sup> 50W (wetttable powder) and Diazinon<sup>®</sup> 14G (14% granular) labels which contain additional uses for which Diazinon<sup>®</sup> 4D is not recommended.

The marketing of raw agricultural commodities having residues in excess of their permitted tolerances, or marketing those for which no tolerances have been set and bearing residues, will violate Federal Law when shipped in interstate commerce and may violate State Law.

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**Caution**

Keep out of reach of children. Harmful if swallowed. May be absorbed through skin. Avoid contamination of food and feed. Avoid inhalation of dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Fish and Wildlife Caution:**

This product is toxic to fish and wildlife. Keep out of lakes, streams and 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 Cooperative Agricultural Extension Service.

Do not reuse container. Destroy it by burying or burning. Avoid smoke or fumes.

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