

ACCEPTED
DEC 10 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. **4581-140**

Ziram 76DF
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**ZIRAM 76DF
 FUNGICIDE**

ACTIVE INGREDIENT:

Ziram (Zinc dimethyldithiocarbamate)	76.0%
(Zinc expressed as metallic ... 16.25%)	

OTHER INGREDIENTS:

	24.0%
TOTAL	100.0%

**KEEP OUT OF REACH OF CHILDREN
 PELIGRO DANGER**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF SWALLOWED: Drink promptly a large quantity of milk, egg white, gelatin solution or if these are not available, large quantities of water. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention

EPA Reg. No. 4581-140

EPA Est. No. 32557-BL-1

Net Contents:

Sold by:
 Elf Atochem North America, Inc.
 Agrichemicals Group
 2000 Market Street, Philadelphia, PA 19103

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. MAY BE FATAL IF INHALED. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. Do not breathe dust or spray mist. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Waterproof gloves

Shoes plus socks

Protective eyewear

Dust/mist filtering respirator

--For exposure in enclosed areas, a respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or cannister with any N, R, P or HE prefilter.

--For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Use care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target area. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARD

Keep away from fire and sparks.

GENERAL INFORMATION

ZIRAM 76DF is effective against many fungal diseases and is non phytotoxic to labeled crops. It is compatible with most commonly used pesticides and adjuvants. It may be used with systemic fungicides, such as TOPSIN(R) M, for broad spectrum disease control and can be used in Integrated Pest Management (IPM) programs.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.
Do not apply this product through any type of irrigation system.

GENERAL USE PRECAUTIONS

For dilute applications, use ZIRAM 76DF at the recommended rate per 100 gallons.
For aerial applications, use ZIRAM 76DF in a minimum of 10 gallons of spray per acre; for concentrate ground applications, use a minimum of 20 gallons of spray per acre.
For both ground and aerial applications, always use sufficient water to provide thorough coverage.
Use the high label rate under severe disease pressure or when conditions promote rapid disease development.
Maximum application is for a crop cycle. Crop cycle can be defined as pre-bloom through postharvest.
Do not graze or feed cover crops from treated orchards.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- | | |
|-------------------|--------------------|
| Coveralls | Shoes plus socks |
| Waterproof gloves | Protective eyewear |

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FRUIT AND NUT TREE CROPS

Crop	Lbs Ziram 76 Per 100 Gal	Per Acre	Disease(s)	Directions
Almonds		8	Shot-hole Brown Rot (Blossom and Twig Blight) Leaf Blight Scab Anthracnose	Apply at popcorn, full-bloom, petal fall or as needed, but no later than 5 weeks after petal fall. Do not apply more than 32 lbs. (24.3 lbs. A.I.)/A per crop cycle. (see GENERAL USE PRECAUTIONS section for definition of crop cycle).
Apples	1 1/2 - 2 ⁽²⁾	6-8	Apple Scab Cedar Apple Rust ⁽¹⁾ Quince Rust ⁽¹⁾ Sooty Blotch ⁽¹⁾ Fly Speck ⁽¹⁾ Bitter Rot ⁽¹⁾ Necrotic Leaf Blotch ⁽¹⁾	Apply from pre-bloom through cover sprays as needed. Under severe disease pressure use the higher rate. Do not apply within 14 days of harvest. Eastern U.S.: Do not apply more than 56 lbs. (42.6 lbs. A.I.)/A per crop cycle. Western U.S.: Do not apply more than 32 lbs. (24.3 lbs. A.I.)/A per crop cycle.
		6-8	Bull's-Eye Rot (Pacific Northwest only)	Apply in the first cover spray and in pre-harvest spray before fall rains begin. Repeat as necessary, especially if excessive rainfall occurs. Do not apply within 14 days of harvest. Do not apply more than 32 lbs. (24.3 lbs. A.I.)/A per crop cycle.
		6-8	Perennial Canker	Apply pre-bloom and calyx sprays. Do not apply more than 32 lbs/A per crop cycle.
Pears	1 1/2 - 2 ⁽²⁾	6-8	Fabraea Leaf Spot ⁽¹⁾ Pear Scab ⁽¹⁾ Quince Rust ⁽¹⁾ Sooty Blotch ⁽¹⁾ Fly Speck ⁽¹⁾ Bitter Rot ⁽¹⁾	Apply from pre-bloom through cover sprays as needed. Under severe disease pressure use the higher rate. Eastern U.S.: Do not apply more than 56 lbs. (42.6 lbs. A.I.)/A per crop cycle. Do not apply within 14 days of harvest. Western U.S.: Do not apply more than 32 lbs. (24.3 lbs. A.I.)/A per crop cycle. Do not apply within 5 days of harvest.
		6-8	Bull's-Eye Rot (Pacific Northwest only)	Apply in the first cover spray and in pre-harvest spray before fall rains begin. Repeat as necessary, especially if excessive rainfall occurs. Do not apply within 5 days of harvest. Do not apply more than 32 lbs. (24.3 lbs. A.I.)/A per crop cycle.

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		6-8	Storage Rot	Apply as a pre-harvest spray. Do not apply within 5 days of harvest. Do not apply more than 32 lbs/A per crop cycle.
Peaches, Nectarines Eastern U.S.	1 1/2 - 2 2/3 (3)	4 1/2 - 8	Peach Scab Brown Rot Red Spot Sooty Peach	Apply at pre-bloom through cover sprays as needed. Under severe disease pressure use the higher rate. Do not apply more than 72 lbs. (54.8 lbs. A.I.)/A per crop cycle. Do not apply within 14 days of harvest.
	1 1/4 - 2 2/3 (3)	3 3/4 - 8	Peach Leaf Curl	Make dormant applications after leaf drop and/or prior to bud swell.
Peaches, Nectarines, Western U.S.	2 2/3 - 3 1/3 (3)	6-8	Shot-hole Brown Rot	Apply at pre-bloom through cover sprays or as needed. Under severe disease pressure use the higher rate. Do not apply more than 56 lbs. (42.6 lbs. A.I.)/A per crop cycle. Do not apply within 30 days of harvest.
	2 1/2 - 3 1/3	8-10	Peach Leaf Curl	Make dormant applications after leaf drop and/or prior to bud swell.
Apricots	2 (3)	6	Shot-hole Brown Rot	Apply at popcorn, full bloom, petal fall, and/or 5 weeks after petal fall, and in cover sprays, as needed. Do not apply more than 30 lbs. (22.8 lbs. A.I.)/A per crop cycle. Do not apply within 30 days of harvest.
Cherries, Eastern U.S.	1 2/3 - 2 2/3 (3)	5-8	Brown Rot Leaf Spot	Apply at pre-bloom through cover sprays as needed. Under severe disease pressure use the higher rate. Do not apply more than 40 lbs. (30.4 lbs. A.I.)/A per crop cycle. Do not apply within 14 days of harvest.
Cherries, Western U.S.	2 (3)	6	Brown Rot Leaf Spot	Apply at pre-bloom through cover sprays as needed. Do not apply more than 30 lbs. (22.8 lbs. A.I.)/A per crop cycle. Do not apply within 30 days of harvest.
Pecans		6-8	Pecan Scab Anthracnose	Begin applications when leaves are 1/4-1/2 inches long. Repeat after pollination is complete for up to 5 cover sprays at 3-4 week intervals. Do not apply more than 64 lbs. (48.6 lbs. A.I.)/A per crop cycle. Do not apply within 55 days of harvest.

- (1)Not registered for this use in California.
 (2)Based on dilute sprays of 400 gallons per acre.
 (3)Based on dilute sprays of 300 gallons per acre.

ORNAMENTAL CROPS⁽¹⁾

Crop	lbs/100 Gallons	Disease(s)	Directions
Asters	1 ½ -2	Rust	Begin application in early season and continue at 7-day intervals until blossoms form
Carnations, Marigolds, Morning Glory, Snapdragons	1 ½ -2	Rust	Apply at 7 to 10-day intervals or as needed throughout growing season.
Carnations, Chrysanthemums, Dahlias, Gladiolus, Snapdragons	1 ½ -2	Leaf Spot	Apply at 7 to 10-day intervals or as needed throughout growing season.
Azaleas, Camellias	1 ½ -2	Petal Blight	Begin application with first bloom. Repeat at 7 to 10-day intervals or as needed through bloom. Apply as a drench to mulch and litter beneath and around bushes.
Cyclamens, Gardenias	1 ½ -2	Botrytis Leaf Spot	Apply as needed throughout the growing season.
Dahlias, Delphinium, Golden Glow, Hollyhocks, Phlox	1 ½ -2	Powdery Mildew	Apply at 7-day intervals or as needed throughout growing season.
Roses	1 ½ -2	Black Spot Powdery Mildew	Begin application when leaves unfold. Repeat at 7 to 10-day intervals or as needed throughout season.

(1)Not for use in California

ORNAMENTAL TREES⁽¹⁾

Crop	Lbs. per 100 Gallons	Disease(s)	Directions
Conifers, Pine Seedlings	2	Fusiform Rust	Begin application at time of emergence. Repeat at 3 to 5-day intervals or as needed to mid-June.
Douglas Fir, Christmas Trees	2	Needle Rust Melampsora	Make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Shasta Fir, Christmas Trees	2	Needle Rust Puccineastrum	Make a single application in the spring when new shoot growth is 1/2 to 2 inches in length.

(1)Not for use in California

Note: Due to the continuous development of new varieties of each of the ornamental plants and trees listed above, it is recommended that prior to the first use on a particular ornamental variety, the grower treat a small sample (6-10) with the product at recommended dose to determine if there is going to be phytotoxicity, including but not limited to necrosis, leaf burn or stunting.

SMALL FRUIT AND VEGETABLE CROPS

Crop	Pounds ZIRAM 76DF		Disease(s)	Directions
	Per 100 Gallons	Per Acre		
Blueberries ⁽¹⁾		3	Mummyberry Shoot Blight Phomopsis (Twig Blight, Cane and Stem Canker) Anthracnose Fruit Rot (Ripe Rot) Botrytis (aids in control)	Apply sufficient water for thorough coverage. Apply at loose bud scale stage and 7 days later. Do not apply later than 3 weeks after full bloom.
Grapes Eastern U.S. (East of the Rockies)		3-4	Black Rot Downy Mildew Phomopsis Cane and Leaf Spot Ripe Rot Botrytis Bunch Rot (aids in control)	Begin applications when shoots are at least one inch long and continue at 7-14 day intervals or as necessary according to the integrated pest management guidelines for the particular growing area. Use shorter intervals under heavy disease pressure. Do not apply more than 28 lbs per acre per crop cycle. Do not apply later than 21 days to harvest.

Grapes Western U.S. (West of the Rockies)		3-4	Black Rot Downy Mildew Phomopsis Cane and Leaf Spot Ripe Rot Botrytis Bunch Rot (aids in control)	Apply when shoots are 1/2 to 1 1/2 inches long and repeat at 7 - 10 day intervals as needed. Do not apply after bloom.
Blackberries ⁽¹⁾		3	Evergreen blackberry canker	Apply in sufficient water for thorough coverage. Make one application between mid-June and early July.
Tomato (Do not use on cherry tomatoes)(1)		3-4	Anthracnose Early Blight Septoria Leaf Spot	Begin applications at first sign of infection and continue at 7-14 day intervals. Use the shorter spray interval under high disease pressure. Do not apply more than 24 lbs. (18.2 lbs. A.I.)/A per crop cycle. Do not apply within 7 days of harvest. Ziram can be mixed with copper fungicides to enhance bacterial disease control.

(1)Not for use in California

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage Instructions: Store in the original container in a dry area. Keep away from sources of ignition (e.g. sparks and open flame). Close bag when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal instructions listed below.

Pesticide Disposal Instructions: Pesticide wastes are acutely hazardous. Improper disposal of excess 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.

Container Disposal Instructions: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Elf Atochem North America warrants that this material 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 risks referred to therein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ELF ATOCHEM OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Elf Atochem and 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 Elf Atochem.

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