

ACCEPTED

AUG 24 1987

ZIRAM W-76  
ZIRAM W-76

## FUNGICIDE

|                                            |        |
|--------------------------------------------|--------|
| ACTIVE INGREDIENT:                         |        |
| Ziram (Zinc dimethyldithiocarbamate) ..... | 76%    |
| (Zinc expressed as metallic) .....         | 16.25% |
| INERT INGREDIENTS: .....                   | 24%    |
| TOTAL .....                                | 100%   |

KEEP OUT OF REACH OF CHILDREN

PELIGRO DANGER

PRECAUCION AL USUARIO: Si usted no lee Ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

## STATEMENT OF PRACTICAL TREATMENT

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

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

**SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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

See side panel for Precautionary Statements.

**PENNWALT**  
CHEMICALS • EQUIPMENT  
HEALTH PRODUCTS

EPA Registration No. 4581-140  
EPA Establishment No. 33910-HL-01

Net Contents 10 LBS./4.5 Kgs.

Sold by  
**AGCHEM DIVISION—PENNWALT CORPORATION**  
PHILADELPHIA, PA 19102

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# RECAUTIONARY 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 get in eyes or on clothing. Wear goggles, face shield, or safety glasses when handling. Do not breathe dust or spray mist. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration, and the National Institute for Occupational Safety and Health. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish. Use care when applying in areas adjacent to any body of water. Keep out of lakes, streams, or ponds. Do not apply when weather conditions favor drift from target area.

## PHYSICAL OR CHEMICAL HAZARD

Keep away from fire and sparks.

## 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

Pennwalt Corporation 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 limitations herein. PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL PENNWALT OR DEALER BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS, LABOR, COST, OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Pennwalt and seller offer this product and the buyer and user accept a 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 Pennwalt.

# GENERAL INFORMATION

ZIRAM W-75 is a fungicide against many fungus diseases. It has excellent adhesive properties. It is safe on a wide range of plants. It is comparable with Parathion, Malathion, and many commonly used pesticides. Wash the recommended amount of ZIRAM W-75 through the filter screen while filling the sprayer with water, or mix into a paste with water and pour into the spray tank while filling.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For dilute application, use ZIRAM W-75 at recommended rate per 100 gallons of spray unless otherwise stated. Three level teaspoonfuls per gallon of water is equivalent to one pound per 100 gallons of water. For concentrate applications, by air, use ZIRAM W-75 at 20 to 30 gallons of spray per acre; by ground, use in a minimum of 40 gallons of spray per acre.

Use the high rate under severe disease pressure or when conditions promote rapid disease development. Do not apply this product in such a manner as to directly or through drift expose workers or off of persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in an area about to be treated with this product. In case of accidental exposure, workers should wash thoroughly with soap and water and contaminated clothing should be removed and washed before reuse. If symptoms of skin or eye irritation occur call a physician. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings shall be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "DANGER. Area treated with ZIRAM W-75 Fungicide on (date of application). Do not enter without protective clothing until spray has dried. In case of accidental exposure, workers should wash thoroughly with soap and water and contaminated clothing should be removed and washed before reuse. If symptoms of skin or eye irritation occur call a physician."

## FRUIT AND NUT CROPS

| Crop                 | Lbs / 100 Gallons                | Lbs / A  | Disease                                   | Directions                                                                                                                                                                                                                                               | Limitations (see limitations) |
|----------------------|----------------------------------|----------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Almonds              | 1 1/2 - 2 + 4 oz. Sprayer-Sacker | 8-12     | Shot-hole (Fungus)                        | Apply at popcorn, full-bloom, petal fall, and 5 weeks later.                                                                                                                                                                                             | 1, 2                          |
|                      |                                  |          | Brown Rot (Blossom and Twig Blight)       | Apply at popcorn and full bloom.                                                                                                                                                                                                                         |                               |
|                      |                                  |          | Leaf Blight Scab                          | Apply at petal fall and 3 weeks later.                                                                                                                                                                                                                   |                               |
| Apples               | 1-1 1/2                          | 7 1/2-10 | Apple Scab (West Coast Only)              | Apply at pre-bloom, calyx, and cover sprays. In Washington, apply in first cover spray and in early September on Delicious variety and late September on Winesap as a protectant spray only.                                                             | 3, 4                          |
|                      |                                  |          | Bull's-Eye Rot (Pacific Northwest Only)   | Apply in the first cover spray and in a pre-harvest spray before fall rains begin. Repeat as necessary, especially if excessive rainfall occurs.                                                                                                         |                               |
| Apricots             | 1 1/2                            | 8-10     | Brown Rot                                 | Apply in pre-bloom, blossom, and petal fall stages and in early cover sprays.                                                                                                                                                                            | 5                             |
|                      | 1 1/2 + 4 oz. Sprayer-Sacker     |          | Shot-hole (Fungus)                        | Apply at pre-bloom, early bloom, and full bloom. Under severe disease conditions, or when weather is extremely wet, make additional applications as often as every 5 days until full bloom. For post-harvest application in the fall before heavy rains. | 6                             |
|                      | 1 1/2-2                          |          |                                           |                                                                                                                                                                                                                                                          |                               |
| Blackberries         | 1 1/2-3                          | 5        | Evergreen Canker (Pacific Northwest only) | Apply once between mid-June and early July.                                                                                                                                                                                                              | 7                             |
| Blueberries          | 3                                |          | Mummyberry                                | Apply at loose bud scale stage. Repeat 7 days later.                                                                                                                                                                                                     | 8                             |
|                      |                                  |          | Botrytis Blight                           | Apply just before bloom, at full bloom, and 2 to 3 weeks later.                                                                                                                                                                                          |                               |
| Cherries             | 1 1/2                            |          | Brown Rot                                 | Apply at popcorn, full bloom, petal fall, and as necessary in cover applications.                                                                                                                                                                        | 9                             |
|                      |                                  |          | Leaf Spot                                 | Apply at petal fall, shuck fall, and about 2 weeks after shuck fall.                                                                                                                                                                                     |                               |
| Cranberries*         | 3                                |          | Fruit Rot                                 | Apply 3 times at 2-week intervals beginning at mid-bloom.                                                                                                                                                                                                | 10                            |
| Grapes               | 1/2 lb / 12 gals.                |          | Black Rot Powdery Mildew                  | Apply before buds swell. Repeat after blossoming but before fruit forms.                                                                                                                                                                                 | 11                            |
| Nectarines / Peaches | 1 1/2-3                          | 8-10     | Peach Leaf Curl Shot-hole (Fungus)        | Apply at dormant and popcorn stages. For West Coast use on peaches for leaf curl, apply just before fall rains or in November and repeat in 3 months while trees are still dormant and again in popcorn stage.                                           | 12, 13                        |
|                      | 1 1/2-3                          |          | Brown Rot                                 | Apply at petal fall, 25% to 75% of full bloom, petal fall, and cover stages.                                                                                                                                                                             |                               |

\* RESTRICTION - DO NOT USE WATER FROM FLOODED CRANBERRY BOGS FOR IRRIGATING OTHER CROPS

|              |          |                                         |                                                                                                                                                              |
|--------------|----------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pears        | 7 1/2-10 | Pear Scab (West Coast Only)             | Apply in pre-bloom, calyx, and cover stages                                                                                                                  |
|              |          | Bull's-Eye Rot (Pacific Northwest Only) | Apply pre-harvest prior to fall rains. Repeat if necessary, especially if excessive rainfall occurs.                                                         |
| Pecans       | 2        | Scab                                    | Begin applications when leaves are 1/4 to 1/2 inch long. Repeat after pollination is complete and up to 5 cover sprays at 3-4 week intervals through August. |
| Strawberries | 1 1/2-2  | Botrytis Gray Mold                      | Apply at early blossom stage. Repeat 2 to 4 times at 5 to 10-day intervals.                                                                                  |
|              |          | Leaf Spots                              | Apply when blossom buds first appear. Repeat when first blooms open.                                                                                         |

## VEGETABLE CROPS

| Crop                                                            | Lbs / 100 Gallons | Disease                                                                                 | Directions                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beans                                                           | 1 1/2-2           | Rust Anthracnose                                                                        | Apply when disease first appears and repeat at 4 to 7-day intervals as long as the disease is a threat.                                                                                                                                                                      |
| Celery                                                          | 1-2               | Early and Late Blight                                                                   | Apply before disease is expected to appear or at first sign of infection, beginning in the plant bed and continuing in the field at 5 to 10-day intervals.                                                                                                                   |
| Cucurbits (Cantaloupe, Cucumbers, Melons, Pumpkins, and Squash) | 1-2               | Alternaria Leaf Blight Anthracnose Angular Leaf Spot Bacterial Wilt Downy ... etc. Scab | Apply before disease is expected to appear or at first sign of infection, beginning when plants are small. Repeat at 7 to 10-day intervals as necessary.                                                                                                                     |
| Tomatoes                                                        | 1 1/2-2           | Anthracnose Early Blight Septoria Leaf Spot Botrytis Gray Mold (greenhouses)            | Begin applications when plants are 2 to 6 inches high or later at first sign of infection. Repeat at 7 to 10-day intervals as necessary. Begin application before disease is expected to appear or at first sign of infection. Repeat at 3 to 10-day intervals as necessary. |

## ORNAMENTAL CROPS

| Crop                                                          | Lbs / 100 Gallons | Disease                                             | Directions                                                                                                                                          |
|---------------------------------------------------------------|-------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Asters                                                        | 1 lb / 12 gals    | Rust                                                | Begin application in early season and continue at 7-day intervals until blossoms form.                                                              |
| Carnations,* Marigolds, Morning Glory Snapdragons*            | 1 1/2             | Rust *See below for additional disease control      | Apply at 7 to 10-day intervals as needed throughout growing season.                                                                                 |
| Carnations, Chrysanthemums, Dahlias,* Gladiolus, Snapdragons* | 1 1/2             | Leaf Spot *See below for additional disease control | Apply at 7 to 10-day intervals as needed throughout growing season.                                                                                 |
| Azaleas, Camellias                                            | 1 1/2-2           | Petal Blight                                        | Begin application with first bloom. Repeat at 7 to 10-day intervals through bloom. Apply as a drench to mulch and litter beneath and around bushes. |
| Dahlias, Delphinium, Golden Glow, Hollyhock, Phlox            | 1 1/2             | Powdery Mildew                                      | Apply at 7-day intervals throughout growing season.                                                                                                 |
| Roses                                                         | 1 1/2             | Black Spot Powdery Mildew                           | Begin application when leaves unfold. Repeat at 7 to 10-day intervals throughout season.                                                            |
| Pine Seedlings (nursery beds)                                 | 2                 | Fusiform Rust                                       | Begin application 7 days before time of release. Repeat at 3 to 5-day intervals to mid-June.                                                        |

## NOT FOR THIS USE IN CALIFORNIA

### Limitations

- 8.0 lbs / acre—Do not apply later than 3 weeks after petal fall or
- 16.0 lbs / acre—Do not apply later than petal fall
- 11.5 lbs / acre—Do not apply within 7 days of harvest
- 15.5 lbs / acre—Do not apply within 7 days of harvest
- 10.0 lbs / acre—Do not apply after early cover period
- 18.0 lbs / acre—Post-harvest application
- 5.0 lbs / acre—Do not apply later than early July
- 7.5 lbs / acre—Do not apply later than 2 weeks after full bloom
- 5.0 lbs / acre—Do not apply within 7 days of harvest
- 11.0 lbs / acre—Do not apply later than 4 weeks after mid-bloom
- 4.0 lbs / acre—Do not apply after fruit begins to form
- 14.5 lbs / acre—Last application at petal fall or
- 3.0 lbs / acre—Remove excess residues by stripping, burning, or
- 2.0 lbs / acre—Do not apply later than August
- 1.0 lbs / acre—Remove excess residues by stripping, burning, or
- 2 days after harvest
- 4.0 lbs / acre—Do not apply within 4 days of harvest
- 4.0 lbs / acre—Remove excess residues by stripping, burning, or
- 5.0 lbs / acre

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