

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

JUL 7 1998

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. Dennis W. Long UCB Chemicals Corp. 1900 Lake Park Drive, Suite 315 Smyrna, GA 30080

Dear Mr. Long:

Subject: Ziram Granuflo

EPA Reg. No. 45728-12

Your Submissions of June 10, 1997 (blueberries),

July 8, 1997 (grapes), and July 10, 1997

(strawberries and blackberries)

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

- Submit/cite all data required for registration and reregistration of your product under section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
- 2. Revise the label to more clearly indicate the areas Eastern U.S. and Western U.S. Indicate in some manner the areas -intended; i.e., East or West of the Rockies, East or West of the Mississippi, name the specific states, etc.).
 - Submit one (1) copy 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.

Stamped copies of the labels are included for your records.

Sincerely yours,

Cynthia Giles-Parker Product Manager (22) Fungicide Branch

Registration Division (7505C)



ram Granuf

Fungicide

(The Original 76% Water Dispersible Granules)

ACTIVE INGREDIENT:

INERT INGREDIENTS: 24.0%

EPA Reg. No. 45728-12

EPA Est. 32557-BEL-1

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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.)

TATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and immediately flush eyes with a steady stream of water for at least 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: Call a physician or Poison Control Center. Drink 1 to 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. NOTE TO THE PHYSICIAN: Possible mucosal damage may contraindicate gastric lavage.

IF ON SKIN: Remove contaminated clothing. Wash thoroughly with plenty of soap and water. Get medical attention.

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

See Other Panels for Additional Precautionary Statements.

PRECAUTIONARY STATEMENTS

YAZARDS TO HUMANS AND DOMESTIC ANIMALS

INGER: Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust or spray mist. Harmful if swallowed or absorbed through the skin. May cause irritation of nose and throat.

PERSONAL PROTECTIVE EQUIPMENT (PPE) Applicators and other handlers must wear:

- ◆ Long-sleeved shirt and long pants
- ◆ Waterproof gloves
- + Shoes plus socks
- ◆ Protective eye wear
- · Chemical-resistant headgear for overhead exposure
- ◆ Dust/mist fittering respirator (MSHA/NIOSH approval number prefix TC-21C)

heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining Personal Protection Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

- User should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the todet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put
- on clean clothing. Remove PRE 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 and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water whor, disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS Keep away from fire and sparks.

GENERAL USE INFORMATION

Ziram Granufio is a broad spectrum fungiolide for the control of certain diseases in fruit and nut crops, and ornamentals. UCB's recommendations for the use of this product are based upon tests believed to be reliable.

Discard clothing and other absorbent materials that have been drenched or FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY "RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Read entire label carefully and use only as directed.

DIRECTIONS FOR USE

MIXING INSTRUCTIONS

It is a violation of Federal Law to use this product in a manner inconsistent. To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sift in

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the required amount of Ziram Granuflo". Finish filing the tank with water and let mixing continue in the tank until thoroughly mixed. Continue agrication and apply immediately.

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, STORAGE AND DISPOSAL consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its tabeling 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 perfaining to the statements on this label about (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:

- Coverails
- Waterproof gloves
- . Shoes plus socks
- Protective eye wear

Chemical-resistant headgear for overhead exposure

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

DIRECTIONS AND RECOMMENDATIONS

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Make new dilutions for each spraying.

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

Use recommended rates for concentrate, dilute and aerial applications. Ground application is preferred, especially when full canopy of foliage exists.

For dilute application, use Ziram Granuflo® at the recommended rates per 100 gallons. For concentrate ground application, apply the recommended rate in a minimum of 20 gallons per acre. For aerial application, use a Granuflo® is a Registered Trademark of UCB S.A., a Belgium corporation. minimum of 10 gallons per acre.

ader low disease conditions, minimum label rates per application should be used, however, maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions.

> ACCEPTED with COMMENTS In EPA Letter Dated

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

Do not graze or feed cover crops from treated orchards.

Pesticide Storage

Keep away from fire and sparks.

Keep out of reach of children and animals. Store in original containers only. Stare in a cool, dry place and avoid excess heat. Carefully open containers. Do not put concentrate or dilute material into food or drink containers. Do not contaminate water food or feed by storage or disposal.

In case of spiff, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills

For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300.

For Other Emergencies, phone (770) 801-3248 or (770) 433-5421.

To confine spill: If liquid, dike surrounding area or absorb with sand, caf 🖭 🕳 commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposat

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 tabel instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration or, if allowed by State and local authorities, by purning. If burned, stay out of smoke.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

Warranty: UCB makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

NET WEIGHT:

Chemicals Corporation 2000 Lake Pask Drive Smyrna, Georgia 30080

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FRUIT AND NUT		POUNDS ZIRAM	GRANUFLO	N SPECIFIC TO CROP
TREE CROPS	DISEASES	per acre	per 100 ga!	DIRECTIONS FOR USE
ALMONDS A	Brown Rot Blossom Blight and Twig Blight (Monolinia spp.) Leaf Blight (Selmatosporium Ilchenicola) Scab (Cladosporium carpophilum) Shot Hole (Coryneum Blight) (Stigmina carpophilum)	8 fbs	2 2/3 lbs ⁽³⁾	Apply pre-bloom through petal fall periods. Do not apply later than 5 weeks after petal fall. Do not apply more than 32 lbs/A per crop cycle. (4)
APPLES	Apple Scab (Venturia inaequalis) Cedar Apple Rust ⁽¹⁾ , Quince Rust ⁽¹⁾ (Gymnosporangium spp.) Sooty Blotch ⁽¹⁾ (Gloeodes pomigena) Fly Speck ⁽¹⁾ (Schizothyrium perexiguum) Bitter Rot ⁽¹⁾ (Glomerella cingulata)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through early cover sprays as needed. Do not apply within 14 days of harvest. Eastern U.S.: Do not apply more than 56 lbs/A per crop cycle. (4) Western U.S.: Do not apply more than 32 lbs/A per crop cycle. (4)
	Bull's-Eye Rot (Pacific Northwest only) (Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply 12 to 14 days after callyx stage and repeat as necessary in summer sprays. Do not apply within 14 days of harvest. Do not apply more than 32 lbs/A per crop cycle. (4)
	Perennial Canker (Oregon only) (Neofabraea perennans)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply pre-bloom and callyx sprays. Do not apply more than 32 lbs/A per crop cycle. (4)
APRICOTS	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monolinia spp.) Shot-Hole (Stigmina carpophila)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs	Apply in pre-bloom, bloom and petal fall through early cover sprays. Do not apply within 30 days of harvest. Do not apply more than 40 lbs/A per crop cycle. (4)
CHERRIES Eastern U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monolinia spp.) Leaf Spot (Blumeriella jaapii)	5 to 8 lbs	1 2/3 to 2 2/3 ibs ⁽³⁾	Apply in pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall. Do not apply within 14 days of harvest. Do not apply more than 40 lbs/A per crop cycle. (4)
CHERRIES Western U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monolinia spp.) Leaf Spot ⁽¹⁾ (Blumeriella jaapii)	4 to 6 lbs (except CA) 4 to 5 lbs (CA only)	1 1/3 to 2 lbs ⁽³⁾ 1 1/3 to 1 2/3 lbs ⁽⁵⁾	Apply at pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall. Do not apply more than 30 lbs/A per crop cycle. (4) Do not apply within 30 days of harvest. (except California) Do not apply within 7 days of harvest. (California only)
PEACHES AND NECTARINES Eastern U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monolinia spp.)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do not apply within 14 days of harvest. Do not apply more than 72 lbs/A per crop cycle. (6)
	Peach Blight (I.e. Shot Hole) (Sligmina carpophila)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In addition to spray program, apply 8 lbs/A in the fall before the heavy rains. Do not apply within 14 days of harvest. Do not apply more than 72 ibs/A per crop cycle. (4)
	Peach Leaf Curl (Taphrina deformans)	3 3/4 to 8 lbs	1 1/4 to 2 2/3 lbs ⁽³⁾	Make dormant applications after leaf drop and/or prior to bud swell. Do not apply more than 12 lbs/A per crop cycle.
PEACHES AND NECTARINES Western U.S.	Brown Rot Blossom Blight, Twig Blight and Frult Rot (Monolinia spp.)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 [bs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do not apply within 30 days of harvest. Do not apply more than 56 lbs/A ger crep cycle.
	Peach Blight (i.e. Shot Hole) (Stigmina carpophila)	6 to 8 lbs (except CA) - 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In addition to preharvest spray program, apply 8 lbs/A in the fal (after harvest) before the heavy rains. Do not apply within 30 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (4)
	Peach Leaf Curi (Taphrina deformans)	8 to 10 lbs (except CA) 8 lbs (CA only)	2 2/3 to 3 1/3 ibs ⁽³⁾ 2 2/3 ibs ⁽³⁾	Make dormant applications in late fall after leaf drop and/or in late winter prior to bud swell. Do not apply more than 56 lbs/A per crop cycle. (4)

⁽¹⁾ Not for use in California.
(2) Based on dilute sprays of 400 gallons per acre.
(3) Based on dilute sprays of 300 gallons per acre.
(4) Crop cycle is defined as pre-bloom through post-harvest.

FRUIT AND NUT TREE CROPS	DISEASES	POUNDS ZIR per acre	AM GRANUFLO [®] per 100 gai	DIRECTIONS FOR USE
PEARS	Pear Scab (Venturia pyrina) Quince Rust ⁽¹⁾ (Gymnosporangium spp.) Sooty Blotch ⁽¹⁾ (Gloeodes pomigena) Fly Speck ⁽¹⁾ (Schizothyrium pomi) Bitter Rot ⁽¹⁾ (Glomerella cingulata) Fabraea Leaf Spot ⁽¹⁾ (Diplocarpon mespili)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through cover sprays as needed. Eastern U.S.: Do not apply within 14 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (4) Western U.S.: Do not apply within 5 days of harvest. Do not apply more than 32 lbs/A per crop cycle. (4)
	Buil's-Eye Rot (Pacific Northwest only) (Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	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/A per crop cycle. (4)
	Storage Rot (Oregon only) (Phialophora malorum)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	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. (4)
PECANS	Pecan Scab (Cladosporium effusum) Anthracnose (Glomerella cingulata)	6 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply up to 3 times beginning when leaves are 1/4 to 1/2 in. long through pollination. Apply up to 5 more cover sprays a 3 to 4 week intervals beginning after pollination. Do not apply within 55 days of harvest. Do not apply more than 64 lbs/A per crop cycle. (4)
ORNAMENTAL CROPS (1)				
Asters	Rust (Puccinia spp.)		1 1/2 to 2 lbs	Begin application early in the growing season and continue every 7 days as needed until blossoms form.
Azaleas Camellias	Petal Blight (Pestalolia spp.)		1 1/2 to 2 lbs	Begin application with first bloom. Apply at 3 to 5 day intervals as a drench to mulch and litter beneath and around bushes through bloom period.
Camations Chrysanthemems Marigolds Morning Glory Snapdragons	Rust (Puccinia spp.)		1 2/3 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout the growing season.
Camations Chrysanthemoms Dahlias Gladiolus Snapdragons	Leaf Spot (Allemaria spp.)		1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the growing season.
Cyclamens Gardenias	Botrytis Blight (Botrytis spp.) Leaf Spot (Phyllostica spp.)		1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout the growing season.
Dahlias Delphinium Golden Glow	Powdery Mildew (Erysiphe cichoracearum)		1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the growing season! ' ; ' ; ' ; ' ; ' ; ' ; ' ; ' ; ' ; '
Hollyhocks Phlox	·			******
Lilies Peonies Poinsettias Tulips	Botrytis Blight (Botrylis spp.)		1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout the growing season.
Roses	Black Spot (Diplocarpon rosae) Powdery Mildew (Sphaerotheca spp.)		1 2/3 to 2 lbs	Begin application when leaves unfold. Apply at 7 to 10 day intervals as needed throughout the growing season.

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 (2) Based on dilute sprays of 400 gallons per acre.
 (3) Based on dilute sprays of 300 gallons per acre.
 (4) Crop cycle is defined as pre-bloom through post-harvest.

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ORNAMENTAL TREES AND FRUIT (1)	DISEASES	POUNDS ZIRAM GRANUFLO® per acre per 100 gal	DIRECTIONS FOR USE
Conifers Pine Seedlings	Fusiform Rust	2 tbs	Apply at 3 to 5 day intervals from plant emergence to mid-June.
Douglas Fir Christmas Trees	Melampsora Needle Rust	2 lbs	Make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Shasta Fir Christmas Trees	Puccineastrum Needle Rust	2 lbs	Make a single application in the spring when new shoot growth is 1/2 to 2 inches in length.
Apple Pear	Anthracnose (Pezicula malicorticis) European (Nectria) Canker Fusiform Rust	2 to 3 fbs	Apply as a thorough coverage spray in the fail and dormant periods. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Flowering Crab Apple Oregon Crab Quince	Anthracnose (Pezicula malicorticis)	2 to 3 lbs	Apply as a thorough coverage spray in the fall and dormant periods. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Sweet Cherry Wild Cherry Choke Cherry Cherry laurel Flowering Plum (non-edible only)	Witches' Broom, Leaf Curl, Plum Pockets (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Peach Apricot	Twig Blight (Monolinia spp.) Leaf Curl (Taphrina deformans)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. OO NOT USE FRUIT FOR HUMAN CONSUMPTION.
lectarine	Leaf Curl (Taphrina deformans) Shot Hole (Stigmina carpophila)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
American Hornbeam	Leaf Blister (Taphrina australis)	2 t 0 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Elm Birch Maple	Leaf Bilster (Taphrina spp.)	2 to 3 ibs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
California Buckeye	Yellow Leaf Blister (Taphrina aesculi)	2 tc 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Dak	Leaf Blister (Taphrina caerulescens)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Uder	Leaf Curl, Catkin Hypertrophy (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Poplar	Yellow Leaf Blister (Taphrina populina) Shoot Blight (Venturia populina)	2 tc 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
MALL FRUIT AND ÆGETABLE CROPS ^{HI}			\$ (F 9) F () T'
Grape	Black Rot (Guignardia bidwellii) Downy Mitdew (Plasmopara viticola) Phomopsis Cane and Leaf Spot (Phomopsis viticola) Ripe Rot (Glomerelia cingulata) Botrytis Bunch Rot (Botrytis cinerea) (aides in control)	3 to 4 ths	Apply before bugs swell. Repeat after blossoming but before fruit formu.
Rueberries	Mummyberry (Monilinia vaccinii-corymbosi)	3 tbs	Apply in sufficient water for thorough coverage. Apply at loo bud scale stage and 7 days later. Do not apply later than 3 weeks after full bloom.
Tomato Do not use on cherry omatoes)	Anthracnose (Colletotichum coccodes) Early Blight (Alternaria solani) Septoria Leaf Spot (Septoria lycopersici)	3 to 4 lbs	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 per acre 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.



Accepted Stamp on 78. 80122 Super Proposed Label 70125 S517247/0246953 EL Ziram Granuflo®

Fungicide

(The Original 76% Water Dispersible Granules)

ACTIVE INGREDIENT:

INERT INGREDIENTS: 24.0% **TOTAL 100.0%**

EPA Reg. No. 45728-12

EPA Est. 32557-BEL-1

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and immediately flush eyes with a steady stream of water for at least 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: Call a physician or Poison Control Center. Drink 1 to 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. NOTE TO THE PHYSICIAN: Possible mucosal damage may contraindicate gastric lavage.

IF ON SKIN: Remove contaminated clothing. Wash thoroughly with plenty of soap and water. Get medical attention.

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DANGER: Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust or spray mist. Harmful if swallowed or absorbed through the skin. May cause irritation of nose and throat.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- + Long-sleeved shirt and long pants
- Waterproof gloves
- + Shoes plus socks
- ◆ Protective eve wear
- ◆ Chemical-resistant headgear for overhead exposure
- ◆ Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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- 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

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Read entire label carefully and use only as directed.

07/08/97DWL

DIRECTIONS FOR USE

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IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Make new dilutions for each spraying.

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Use recommended rates for concentrate, dilute and aerial applications. bound application is preferred, especially when full canopy of foliage exists.

For dilute application, use Ziram Granuflo® at the recommended rates per 100 gallons. For concentrate ground application, apply the recommended rate in a minimum of 20 gallons per acre. For aerial application, use a Granuflo® is a Registered Trademark of UCB S.A., a Belgium corporation. minimum of 10 gallons per acre.

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Do not graze or feed cover crops from treated orchards.

ACCEPTED with COMMENTS In EPA Letter Dated

.111 76 1998

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

MIXING INSTRUCTIONS

To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sift in the required amount of Ziram Granuflo®. Finish filling the tank with water and let mixing continue in the tank until thoroughly mixed. Continue agitation and apply immediately.

Pesticide Storage

Keep away from fire and sparks.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. Do not put concentrate or dilute material into food or drink containers. Do not contaminate water, food or feed by storage or disposal

In case of spill avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300

For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter, or commercial clay, if dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

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 tabel instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance,

Container Disposal

Completely empty container into application equipment. Then dispose of empty container in a sanifary landfill or by incineration, or, it allowed by State and local authorities, by burning. It burned, stay out of smoke.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

Warranty: UCB makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.



Chemicals Corporation 2000 Lake Park Drive Smyrna, Georgia, 30080

5728-12

CROPS	DISEASES	POUNDS ZIRAM per acre	per 100 gai	DIRECTIONS FOR USE
ALMONDS	Brown Rot Blossom Blight and	8 ibs	2 2/3 (bs ⁽³⁾	Apply pre-bloom through petal fall periods. Do not apply
	Twig Blight (Monitoria spp.)	O ILA	2 213 105	later than 5 weeks after petal fall.
	Leaf Blight (Seimstosporium			Do not apply more than 32 lbs/A per crop cycle. ⁽⁴⁾
	Seets (Cladescoins and asking)			Do not apply more than 32 lostA per crop cycle."
	Scab (Cladesporium carpophilum)			
	Shot Hole (Coryneum Blight)			
	(Stigmina carpophilum)			
APPLES	Apple Scab (Venturia inaequalis) Cedar Apple Rust ⁽¹⁾ , Quince Rust ⁽¹⁾	6 to 8 lbs	1 1/2 to 2 (bs ⁽²⁾	Apply from pre-bloom through early cover sprays as needed. Do not apply within 14 days of harvest.
		9 20 9 102	1 112 10 2 105	,
	(Gymnosporangium spp.)			Eastern U.S.: Do not apply more than 56 lbs/A per
	Sooty Blotch ⁽¹⁾ (Glosodes pornigena)			crop cycle. ⁽⁴⁾
	Fly Speck (1) (Schizothyrium			Western U.S.: Do not apply more than 32 lbs/A
	perexiguum)			per crop cycle. (4)
	Bitter Rot (1) (Giomerella cingulata)			
	Bull's-Eye Rot (Pacific Northwest only)			Apply 12 to 14 days after calyx stage and repeat as
	(Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	necessary in summer sprays. Do not apply within 14
				days of harvest. Do not apply more than 32 lbs/A per
				crop cycle. (4)
	Perennial Canker (Oregon only)	6 ಚಾತಿlbs	1 1/2 to 2 lbs ⁽²⁾	Apply pre-bloom and calyx sprays. Do not apply more
	(Neofabraea perennans)			than 32 lbs/A per crop cycle. (4)
APRICOTS	Brown Rot Blossom Blight,	6 to δ lbs (except CA)	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply in pre-bloom, bloom and petal fall through early
	Twig Blight and Fruit Rot	8 lbs (CA only)	2 2/3 lbs	cover sprays. Do not apply within 30 days of harvest. Do
	(Monilinia spp.)		,	not apply more than 40 lbs/A per crop cycle. (4)
	Shot-Hole (Stigmina carpophila)			
CHERRIES	Brown Rot Blossom Blight,	5 to 3 lbs	1 2/3 to 2 2/3 lbs ⁽³⁾	Apply in pre-bloom, bloom, petal fall and shuck stages,
Eastern U.S.	Twig Blight and Fruit Rot	•		and approximately 2 weeks after shuck fall. Do not apply
	(Monilinia spp.)			within 14 days of harvest. Do not apply more than 40
	Leaf Spot (Blumeriella jaapii)			lbs/A per crop cycle. ⁽⁶⁾
CHERRIES	Brown Rot Blossom Blight,	4 to 6 lbs (except CA)	1 1/3 to 2 lbs ⁽³⁾	Apply at pre-bloom, bloom, petal fall and shuck stages,
Western U.S.	Twig Blight and Fruit Rot	4 to 5 lbs (CA only)	1 1/3 to 1 2/3 lbs ⁽³⁾	and approximately 2 weeks after shuck fall. Do not apply
	(Monilinia spp.)			more than 30 lbs/A per crop cycle. (4)
	Leaf Spot ⁽¹⁾ (Blumenella jaapii) -			Do not apply within 30 days of harvest, (except California)
	1	·		Do not apply within 7 days of harvest. (California only)
GRAPE	Black Rot (Guignardia bidwellii)		3 to 4 lbs	Begin applications when shoots are at least 1 inch long and
Eastern U.S.	Downy Mildew (Plasmopara viticola)			continue at 7-14 day intervals or as necessary according to
	Phomopsis Cane and Leaf Spot			the integrated pest management guidelines for the particula
	(Phomopsis viticola)			growing area. Use shorter intervals under heavy disease
	Ripe Rot (Glomeretta cingulata)			pressure. •
	Botrytis Bunch Rot (Botrytis cinerea)			Do not apply more than 28 lbs per acre per crop cycle.
	(aídes in control)			Do not apply later than 21 days to harvest.
GRAPE	Black Rot (Guignardia bidwelle)	, <u></u>	3 to 4 lbs	Apply before buds swell. Repeat after blossoming but before
Western U.S. ⁽¹⁾	Downy Mildew (Piasmopara viticola)			fruit forms.
	Phomopsis Cane and Leaf Spot	•		
	(Phomopsis viticola)		•	,
	Ripe Rot (Giomerella cingulata)			• • •
	Botrytis Bunch Rot (Botrytis cinerea)	•		4 4
	(aides in control)		,	*****

 ⁽³⁾ Based on dilute sprays of 400 gailons per acre.
 (3) Based on dilute sprays of 300 gailons per acre.
 (4) Crop cycle is defined as pre-bloom through post-harvest.

CROPS	DISEASES	POUNDS ZIRAM per acre	per 100 gal	DIRECTIONS FOR USE
PEACHES AND	Brown Rot Blossom Blight, Twig	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do
NECTARINES	Blight and Fruit Rot			not apply within 14 days of harvest. Do not apply more
Eastern U.S.	(Monilinia spp.)			than 72 lbs/A per crop cycle. (4)
	Peach Blight (i.e. Shot Hole)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed.
	(Stigmina carpophila)			in addition to spray program, apply 8 lbs/A in the fall
				before the heavy rains. Do not apply within 14 days of
				harvest. Do not apply more than 72 lbs/A per crop cycle. (5)
	Peach Leaf Curl (Taphrina deformans)	3 3/4 to 8 lbs	1 1/4 to 2 2/3 lbs ⁽³⁾	Make dormant applications after leaf drop and/or prior to bud swell. Do not apply more than 72 lbs/A per crop cycle. [4]
PEACHES AND	Brown Rot Blossom Blight, Twig	6 to 8 lbs (except CA)	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed.
NECTARINES	Blight and Fruit Rot	8 lbs (CA only)	2 2/3 lbs ⁽³⁾	Do not apply within 30 days of harvest. Do not apply
Western U.S.	(Monilinia spp.)			more than 56 lbs/A per crop cycle. (4)
	Peach Blight (i.e. Shot Hole)	6 to 8 lbs (except CA)	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In
	(Stigmina carpophila)	8 lbs (CA only)	2 2/3 lbs ⁽³⁾	addition to preharvest spray program, apply 8 lbs/A in the fail
	1			(after harvest) before the heavy rains. Do not apply within 30
				days of harvest. Do not apply more than 56 lbs/A per crop
				cycle. ⁽⁴⁾
	Peach Leaf Curi	8 to 10 lbs (except CA)	2 2/3 to 3 1/3 lbs ⁽³⁾	Make dormant applications in late fall after leaf drop and/or
	(Taphrina deformans)	8 lbs (CA only)	2 2/3 lbs ⁽³⁾	in late winter prior to bud swell. Do not apply more than 56
				lbs/A per crop cycle. (4)
PEARS	Pear Scab (Venturia pyrina)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through cover sprays as
	Quince Rust ⁽¹⁾			needed.
	(Gymnosporangium sop.)			Eastern U.S.: Do not apply within 14 days of
	Sooty Blotch ⁽¹⁾ (Gloeodes pomigena)			harvest. Do not apply more than 56 lbs/A per
	Fly Speck ^(t) (Schizothyrium porni)			crop cycle. ⁽⁴⁾
	Bitter Rot ⁽¹⁾ (Glomerella cingulata)			Western U.S.: Do not apply within 5 days of
	Fabraea Leaf Spot ⁽¹⁾	•		harvest. Do not apply more than 32 lbs/A per
	(Diplocarpon mespili)			crop cycle. (4)
	Buil's-Eye Rot (Pacific Northwest only) (Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	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
	1			within 5 days of harvest. Do not apply more than 32
				lbs/A per crop cycle. (4)
	Storage Rot (Oregon only)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply as a pre-harvest spray. Do not apply within 5 days of
	(Phialophora malorum)			harvest. Do not apply more than 32 lbs/A per crop cycle. "
PECANS	Pecan Scab (Cladosporium effusum)	6 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply up to 3 times beginning when leaves are 1/4 to 1/2 in.
. 20.110	Anthracnose (Glomerella cingulata)	010 0100	1 02 10 2 20 103	long through pollination. Apply up to 5 more cover sprays æ
	,			3 to 4 week intervals beginning after pollination. Do not
				apply within 55 days of harvest. Do not apply more than
				64 lbs/A per crop cycle. (4)
TOMATO (1)	Anthracnose (Colletotrichum coccodes)		3 to 4 Jbs	Begin applications at first sign of infection and continue
(Do not use on	Early Blight (Alternaria solani)		o (o → 100	at 7-14 day intervals. Use the shorter spray interval
cherry tocriatoes)	Septoria Leaf Spot (Septoria lycopersici)			under high disease pressure. Do not apply more than
•	,, ,,		•	24 lbs per acre per crop cycle. Do not apply within 7 days of
	,		•	harvest. Ziram can be mixed with copper fungicides to
	1			enhance bacterial disease control (
	<u> </u>			Cilianos sascitar discuso contiger 2
(1) Not for use in C	atifornia		•	*****
Sased on dilute	sprays of 400 gallons per acre.			* * *
(3) Based on dilute	sprays of 300 gallons per acre.	•		
⁶⁹ Crop cycle is de	fined as pre-bloom through post-harvest.	•		((
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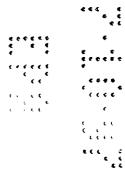
ORNAMENTALS (1)	DISEASES	POUNDS ZIRAM GRANUFLO® per acre per 100 gai	DIRECTIONS FOR USE
Asters	Rust (Puccinia spp.)	1 1/2 to 2 lbs	Begin application early in the growing season and continue every 7 days as needed until blossoms form.
Azaleas	Petai Blight	1 1/2 to 2 lbs	Begin application with first bloom. Apply at 3 to 5
Camellias	(Pestalotia spp.)		day intervals as a drench to mulch and litter
	[i		beneath and around bushes through bloom period.
Camations	Rust (Puccinia spp.)	1 2/3 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout
Chrysanthemums			the growing season.
Marigoids			
Morning Glory			
Snapdragons			
Camations	Leaf Spot (Alternaria spp.)	1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the
Chrysanthemums			growing season.
Dahilas	ļ	•	
Gladiolus	į		
Snapdragons			
Cyclamens	Botrytis Blight (Botrylis spp.)	1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout
Gardenias	Leaf Spot (Phyllostica spp.)		the growing season.
Dahlias	Powdery Mildew	1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the
Delphinium	(Erysiphe cichoracearum)		growing season.
Golden Glow			1
Hollyhocks	i !		
Phlox			
Lilles	Botrytis Blight (Botrytis spp.)	1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout
Peonles			the growing season.
Poinsettias	į	·	
Tulips	1		
Roses	Black Spot (Diplocarpon rosae)	1 2/3 to 2 lbs	Begin application when leaves
	Powdery Mildew		unfold. Apply at 7 to 10 day intervals as needed
	(Sphaerotheca spp.)		throughout the growing season.
Conifers	Fusiform Rust	2 lbs	Apply at 3 to 5 day intervals from plant emergence to
Pine Seedlings	1		mid-June,
Dougias Fir	Melampsora Needle Rust	2 lbs	Make one application in the spring when new shoot growth
Christmas Trees	1		is 1/2 to 2 inches in length.
Shasta Fir	Puccineastrum Needle Rust	2 lbs	Make a single application in the spring when new shoot
Christmas Trees		- 1-4	growth is 1/2 to 2 inches in length.
Apple	Anthracnose	2 to 3 lbs	Apply as a thorough coverage spray
est. Ance	(Pezicula malicorticis)	2 10 3 105	in the fall and dormant periods.
	European (Nectria) Canker		DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
	Fusiform Rust		1
lowering Crab Apple	Anthracnose	2 to 3 lbs	Apply as a thorough coverage spray
Oregon Crab	(Pezicula malicorticis)	2.10 0 103	in the fall and dormant periods.
Quince			DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Sweet Cherry	Witches' Broom, Leaf Curl,	2 to 3 lbs	Apply as a thorough coverage spray
Wild Cherry	Plum Pockets (Taphrina spp.)	2 10 0 103	in the dormant period prior to bud swell.
Choke Cherry		,	DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Cherry laurel	· 1		662 6
lowering Plum	, ,		* c
(non-edible only)			4 4 4
Peach	Twig Blight (Monilinia spp.)	2 to 3 lbs	Apply as a thorough coverage spray
\pricot	Leaf Curi (Taphrina deformans)	,	in the dormant period prior to bud'swell.
•	I , , , , , , , , , , , , , , , , , , ,	**,	DO NOT USE FRUIT FOR HUMAN CONSUMPTION.

⁽¹⁾ Not for use in California.

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ORNAMENTALS (1)	DISEASES	POUNDS ZIRAM GRANUFLO® per acre per 100 gai	DIRECTIONS FOR USE
Nectarine	Leaf Curl (Taphrina deformans) Shot Hole (Stigmina carpophila)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
American Hornbeam	Leaf Blister (Taphrina australis)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Eim Birch Maple	Leaf Bilster (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
California Buckeye	Yellow Leaf Bilster (Taphrina aesculi)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Oak ·	Leaf Blister (Taphrina caerulescens)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Alder	Leaf Curl, Catkin Hypertrophy (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Poplar	Yellow Leaf Blister (Taphrina populina) Shoot Blight (Venturia populina)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.

⁽¹⁾ Not for use in California.





Fungicide

(The Original 76% Water Dispersible Granules)

ACTIVE INGREDIENT:

EPA Reg. No. 45728-12

EPA Est. 32557-BEL-1

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and immediately flush eyes with a steady stream of water for at least 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: Call a physician or Poison Control Center. Drink 1 to 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. NOTE TO THE PHYSICIAN: Possible mucosal damage may contraindicate gastric lavage.

IF ON SKIN: Remove contaminated clothing. Wash thoroughly with plenty of soap and water. Get medical attention.

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300.
For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

See Other Panels for Additional Precautionary Statements.

PRECAUTIONARY STATEMENTS

AZARDS TO HUMANS AND DOMESTIC ANIMALS

JANGER: Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust or spray mist. Harmful if swallowed or absorbed through the skin. May cause irritation of nose and throat.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- + Long-sleeved shirt and long pants
- ◆ Waterproof gloves
- Shoes plus socks
- ◆ Protective eye wear
- Chemical-resistant headgear for overhead exposure
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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 Personal Protection Equipment (PPE). If no such instructions for washables; use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

User 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
- 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 and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS Keep away from fire and sparks.

GENERAL USE INFORMATION

Ziram Granuflo[®], is a broad spectrum fungicide for the control of certain diseases in fruit and nut crops, and ornamentals. UCB's recommendations for the use of this product are based upon tests believed to be reliable.

Discard clothing and other absorbent materials that have been drenched or "FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY heavily contaminated with this product's concentrate. Do not reuse them. RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Read entire label carefully and use only as direxted.

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.

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 narriters 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 (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 For Other Emergencies, phone (770) 901-3248 or (770) 433-6421. 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, soll or water, is

Coveralis

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- Waterproof gloves
- Shoes plus socks
- Protective eye wear.

07/09/97DWL

Chemical-resistant headgear for overhead exposure

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

DIRECTIONS AND RECOMMENDATIONS

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Make new dilutions for each spraying.

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

Use recommended rates for concentrate, dilute and aerial applications. Ground application is preferred, especially when full canopy of foliage exists.

For dilute application, use Zlram Granuflo at the recommended rates per 10 gallons. For concentrate ground application, apply the recommended ate in a minimum of 20 gallons per acre. For aerial application, use a minimum of 10 gallons per acre.

Under low disease conditions, minimum label rates per application should be NET WEIGHT: used, however, maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions.

Do not graze or feed cover crops from treated orchards.

ACCEPTED with COMMENTS In EPA Letter Dated

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

MIXING INSTRUCTIONS

To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sitt in the required amount of Ziram Granuflo. Finish filling the tank with water and let mong continue in the tank until thoroughly mixed. Continue agitation and apply immediately,

STORAGE AND DISPOSAL

Pesticide Storage

Keep away from fire and sparks,

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open confainers. Do not put concentrate or cliute material into food or drink containers. Do not contaminate water, food or feed by storage or disposal.

In case of spill avoid contact, isolate area and keep out animals and unprotected persons, Confine spills

For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300.

To confine spill. If liquid dike surrounding area or absorb with sand cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Posticide wastes are acutely hazardous... Improper disposal of excess posticide, 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

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, it allowed by State and local authorities, by burning, if burned, stay out of smoke.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

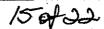
Warranty: UCB makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

Granuflo is a Registered Trademark of UCB S.A., a Belgium corporation.



Chemicals Corporation 2000 Lake Park Drive Smyrna, Georgia 30080



CROPS	DISEASES	POUNDS ZIRAM per acre	per 100 gal	DIRECTIONS FOR USE
LMONDS	Brown Rot Blossom Blight and			
Littoria-	Twig Blight (Monitinia spp.)	8 lbs	2 2/3 lbs ⁽³⁾	Apply pre-bloom through petal fall periods. Do not apply
	Leaf Blight (Seimatosporium			later than 5 weeks after petal fall.
	lichenicola)			Do not apply more than 32 tbs/A per crop cycle. ⁽⁴⁾
	Scab (Cladosporium carpophilum)			
	Shot Hole (Coryneum Blight)			
	(Stigmina carpophilum)			
1001 ES				
APPLES	Apple Scab (Venturia inaequalis) Cedar Apple Rust ⁽¹⁾ , Quince Rust ⁽¹⁾	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through early cover sprays as needed. Do not apply within 14 days of harvest.
	(Gymnosporangium spp.)	G 10 9 ID2	1 1/2 10 2 105	Eastern U.S.: Do not apply more than 56 lbs/A per
	Sooty Blotch ⁽¹⁾ (Gloeodes pomigena)			1
				crop cycle, ⁽⁴⁾
	Fiy Speck (1) (Schizothyrium			Western U.S.: Do not apply more than 32 lbs/A
	perexiguum)			per crop cycle. (4)
	Bitter Rot (1) (Glomerella cingulata)			
	Bull's-Eye Rot (Pacific Northwest only)			Apply 12 to 14 days after calyx stage and repeat as
	(Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	necessary in summer sprays. Do not apply within 14
	ŀ			days of harvest. Do not apply more than 32 lbs/A per
	Į l			crop cycle. ⁽⁴⁾
	Perennial Canker (Oregon only)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply pre-bloom and calyx sprays. Do not apply more
	(Neofabraea perennans)	•		than 32 lbs/A per crop cycle. (4)
APRICOTS	Brown Rot Blossom Blight	6 to 8 lbs (except CA)	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply in pre-bloom, bloom and petal fall through early
W-VICO12	Twig Blight and Fruit Rot	8 lbs (CA only)	2 2/3 lbs	cover sprays. Do not apply within 30 days of harvest. Do
	(Monifinia spp.)	C (G/ C/II))	220403	not apply more than 40 lbs/A per crop cycle. (4)
	Shot-Hole (Stigmina carpophila)		•	l line apply more man 40 more per ever dyore.
*********			4 5 7 4 5 7 W (3)	
CHERRIES Eastern U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot	5 to 8 lbs	1 2/3 to 2 2/3 lbs ⁽³⁾	Apply in pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall. Do not apply
EZSTEIN U.S.	1	•		1
	(Monilinia spp.)			within 14 days of harvest. Do not apply more than 40
	Leaf Spot (Blumeriella jaapii)			lbs/A per crop cycle. (4)
CHERRIES	Brown Rot Blossom Blight,	4 to 6 lbs (except CA)	1 1/3 to 2 lbs ⁽³⁾	Apply at pre-bloom, bloom, petal fall and shuck stages,
Western U.S.	Twig Blight and Fruit Rot	4 to 5 lbs (CA only)	1 1/3 to 1 2/3 lbs ⁽³⁾	and approximately 2 weeks after shuck fall. Do not apply
	(Monilinia spp.)			more than 30 lbs/A per crop cycle. (4)
	Leaf Spot ⁽¹⁾ (Blumeriella ĵaapii)			Do not apply within 30 days of harvest. (except California)
				Do not apply within 7 days of harvest. (California only)
GRAPE	Black Rot (Guignardia bidwellii)		3 to 4 lbs	Begin applications when shoots are at least 1 inch long and
Eastern U.S.	Downy Mildew (Plasmopara viticola)			continue at 7-14 day intervals or as necessary according to
	Phomopsis Cane and Leaf Spot			the integrated pest management guidelines for the particula
	(Phomopsis viticola)			growing area. Use shorter intervals under heavy disease
	Ripe Rot (Glomerelia cingulata)			pressure.
	Botrytis Bunch Rot (Botrytis cinerea)			Do not apply more than 28 lbs per acre per crop cycle.
	(aides in control)		,	Do not apply later than 21 days to harvest.
GRAPE	Black Rot (Guignardia bidwellii)		3 to 4 lbs	Apply before buds swell. Repeat after blossoming but befo
Western U.S. ⁽¹⁾	Downy Mildew (Plasmopara viticola)		_	fruit forms.
	Phomopsis Cane and Leaf Spot	•	•	
	(Phomopsis viticola)			
	Ripe Rot (Glomerella cingulata)			4.2.4
	Botrytis Bunch Rot (Botrytis cinerea)			• • • • • • • • • • • • • • • • • • • •
	(aides in control)			
	<u> </u>			*
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Not for use in the Raced on dilitate	e sprays of 400 gallons per acre.	*		(((((
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	lefined as pre-bloom through post-harves	st. 👉 🗼 .		((((

CROPS	DISEASES	POUNDS ZIRAM per acre	per 100 gai	DIRECTIONS FOR USE
PEACHES AND NECTARINES Eastern U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monilinia spp.)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 (bs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do not apply within 14 days of harvest. Do not apply more than 72 lbs/A per crop cycle. ⁴⁹
LESCH GO	Peach Blight (I.e. Shot Hole) (Stigmina carpophila)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In addition to spray program, apply 8 lbs/A in the fall before the heavy rains. Do not apply within 14 days of harvest. Do not apply more than 72 lbs/A per crop cycle. (4)
	Peach Leaf Curl (Taphrina deformans)	3 3/4 to 8 lbs	1 1/4 to 2 2/3 lbs ⁽³⁾	Make dormant applications after leaf drop and/or prior to bud swell. Do not apply more than 72 lbs/A per crop cycle. (4)
PEACHES AND NECTARINES Western U.S.	Brown Rot Blossom Blight, Twig Blight and Fruit Rot (Monilinia spp.)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed, Do not apply within 30 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (4)
	Peach Blight (i.e. Shot Hole) (Stigmina carpophila)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In addition to preharvest spray program, apply 8 lbs/A in the fall (after harvest) before the heavy rains. Do not apply within 30 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (4)
	Peach Leaf Curl (Taphrina deformans)	8 to 10 lbs (except CA) 8 lbs (CA only)	2 2/3 to 3 1/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Make dormant applications in late fall after leaf drop and/or in late winter prior to bud swell. Do not apply more than 56 lbs/A per crop cycle. (4)
PEARS	Pear Scab (Venturia pyrina) Quince Rust ⁽¹⁾ (Gymnosporangium spp.) Sooty Blotch ⁽¹⁾ (Gioeodes pomigena) Fly Speck ⁽¹⁾ (Schizothyrium pomi) Bitter Rot ⁽¹⁾ (Giomerella cingulata) Fabraea Leaf Spot ⁽¹⁾ (Diplocarpon mespili)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through cover sprays as needed. Eastern U.S.:. Do not apply within 14 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (4) Western U.S.: Do not apply within 5 days of harvest. Do not apply more than 32 lbs/A per crop cycle. (4)
	Bull's-Eye Rot (Pacific Northwest only) (Pezicula malicorticis)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	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/A per crop cycle. (4)
	Storage Rot (Oregon only) (Phialophora malorum)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	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. (4)
PECANS	Pecan Scab (Cladosporium effusum) Anthracnose (Glomerella cingulata)	6 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply up to 3 times beginning when leaves are 1/4 to 1/2 in. long through pollination. Apply up to 5 more cover sprays at 3 to 4 week intervals beginning after pollination. Do not apply within 55 days of harvest. Do not apply more than 64 lbs/A per crop cycle. ⁽⁴⁾
TOMATO ⁽¹⁾ (Do not use on cherry tomatoes)	Anthracnose (Colletotrichum coccodes) Early Blight (Alternaria solani) Septoria Leaf Spot (Septoria lycopersici)		3 to 4 lbs	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 per acre per crop cycle. Do not apply within 7 days of harvest. Ziram can be mixed with copper fungicides to enhance bacterial disease control.



Not for use in California.
 Based on dilute sprays of 400 gallons per acre.
 Based on dilute sprays of 300 gallons per acre.
 Crop cycle is defined as pre-bloom through post-harvest.

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DRNAMENTAL TREES AND FRUIT ⁽¹⁾	DISEASES	POUNDS ZIRAM GRANUFLO per acre per 100 gal	DIRECTIONS FOR USE
	<u> </u>		<u> </u>
Conifers Pine Seedlings	Fusitorm Rust	2 ths	Apply at 3 to 5 day intervals from plant emergence to mid-June.
Couglas Fir Christmas Trees	Melampsora Needie Rust	2 lbs	Make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Shasta Fir Christmas Trees	Puccineastrum Needle Rust	2 ths	Make a single application in the spring when new shoot growth is 1/2 to 2 inches in length.
Apple Pear	Anthracnose (Pezicula malicorticis) European (Nectria) Canker	2 to 3 fbs	Apply as a thorough coverage spray in the fall and dormant periods. DO NOT USE FRUIT FOR HUMAN
Flowering Crab Apple	Fusiform Rust Anthracriose	2 to 3 lbs	CONSUMPTION. Apply as a thorough coverage spray
Prowering Crab Apple Dregon Crab Quince	(Pezicula malicorticis)	2 (03 μ5	in the fall and dormant periods. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Sweet Cherry Wild Cherry Choke Cherry Cherry laurel Flowering Plum (non-edible only)	Witches' Broom, Leaf Curl, Plum Pockets (Taphrina spp.)	2 to 3 tbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Peach Apricot	Twig Blight (Monolinia spp.) Leaf Curl (Taphrina deformans)	2 to 3 ibs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Nectarine	Leaf Curl (Taphrina deformans) Shot Hole (Stigmina carpophila)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
American Hornbeam	Leaf Blister (Taphrina australis)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Elm Birch Maple	Leaf Blister (Taphrina spp.) .	2 to 3 ibs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
California Buckeye	Yellow Leaf Blister (Taphrina aesculi)	2 to 3 ibs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Dak	Leaf Blister (Taphrina caerulescens)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Alder	Leaf Curl, Catkin Hypertrophy (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Poplar	Yellow Leaf Blister (Taphrina populina) Shoot Blight (Venturia populina)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
SMALL FRUIT AND VEGETABLE CROPS ⁽¹⁾			
Grape	Black Rot (Guignardia bidwellii) Downy Mildew (Plasmopara viticola) Phomopsis Cane and Leaf Spot (Phomopsis viticola) Ripe Rot (Glomerella cingulata)	3 to 4 lbs	Apply before buds swell. Repeat after blossoming but before fruit forms.
	Botrytis Bunch Rot (Botrytis cinerea) ((aides in control)		
Strawberries	Leaf Spot	2. 1.65 to 2 ths	Apply when blossom buds first show and again when earling blossoms open. Remove residues by washing if application was made within 7 days of harvest.
Tomato Do not use on cherry lomatoes)	Anthracnose (Colletotichum coccodes) Early Blight (Alternaria solani) Septoria Leaf Spot (Septoria lycopersici)	3 to 4 tbs	Begin applications straight sign of infection and continue at 7-14 day intervals. Use the shorter spay interval under high disease pressure. (To not apply more than 24 lbs per acre 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.

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07/09/97DWL

PAGE 5 OF 5



Ziram Granuflo®

Fungicide

(The Original 76% Water Dispersible Granules)

ACTIVE INGREDIENT:

INERT INGREDIENTS:24.0% TOTAL 100.0%

EPA Reg. No. 45728-12

EPA Est. 32557-BEL-1

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and immediately flush eyes with a steady stream of water for at least 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: Call a physician or Poison Control Center. Drink 1 to 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. NOTE TO THE PHYSICIAN: Possible mucosal damage may contraindicate gastric lavage.

IF ON SKIN: Remove contaminated clothing. Wash thoroughly with plenty of soap and water. Get medical attention.

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

See Other Panels for Additional Precautionary Statements.

PRECAUTIONARY STATEMENTS AZARDS TO HUMANS AND DOMESTIC ANIMALS

JANGER: Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust or spray mist. Harmful if swallowed or absorbed through the skin. May cause imitation of nose and throat.

PERSONAL PROTECTIVE EQUIPMENT (PPE) Applicators and other handlers must wear:

- + Long-sleeved shirt and long pants
- ◆ Waterproof gloves + Shoes plus socks
- + Protective eve wear
- Chemical-resistant headgear for overhead exposure
- ◆ Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-

Follow manufacturer's instructions for cleaning/maintaining Personal Protection Equipment (PPE). If no such instructions for washables, use Read entire label carefully and use only as directed. detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

- 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

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS Keep away from fire and sparks.

GENERAL USE INFORMATION

Ziram Granuflo[®] is a broad spectrum fungicide for the control of certain diseases in fruit and nut crops, and ornamentals. UCB's recommendations for the use of this product are based upon tests believed to be reliable.

Discard clothing and other absorbent materials that have been drenched or ...FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY heavily contaminated with this product's concentrate. Do not reuse them. RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

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, STORAGE AND DISPOSAL consult the agency responsible for pesticide regulation.

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... contains requirements for training decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about (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
- Waterproof gloves
- Shoes plus socks.
- Profective eye wear
- Chemical-resistant headgear for overhead exposure.

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

DIRECTIONS AND RECOMMENDATIONS

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Make new dilutions for each spraying.

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

Use recommended rates for concentrate, dilute and aerial applications. Ground application is preferred, especially when full canopy of foliage exists.

For dilute application, use Ziram Granuflo® at the recommended rates per 00 gallons. For concentrate ground application, apply the recommended ate in a minimum of 20 gallons per acre. For aerial application, use a Granuflo® is a Registered Trademark of UCB S.A., a Belgium corporation. minimum of 10 gallons per acre.

Under low disease conditions, minimum label rates per application should be NET WEIGHT: used, however, maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions.

Do not graze or feed cover crops from treated orchards.

ACCEPTED with COMMENTS In EPA Letter Dated

JUL 7 1998

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

MIXING INSTRUCTIONS

Compagnet, Compagnetic pro-

To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sift in the required amount of Ziram Granufio. Finish filling the tank with water and let mixing continue in the tank until thoroughly mixed. Continue agitation and apply immediately.

Pesticide Storage

Keep away from fire and sparks.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. Do not put concentrate or dilute material into food or drink containers. Do not contaminate water, food or feed by storage or disposal.

In case of spit, avoid contact, isolate area and keep out animals and unprotected persons, Confine spills.

For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300.

For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

To confine spill. If liquid, dike surrounding area or absorb with sand, cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

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

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, # allowed by State and local authorities, by burning. If burned, stay out of smoke.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

Warranty: UCB makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.



Chemicals Corporation 2000 Lake Park Drive Smyrna, Georgia 30080

FRUIT AND NUT	I 2000000	POUNDS ZIRAM	GRANUFLO	I DIRECTIONS FOR USE
TREE CROPS	DISEASES	per acre	per 100 gal	DIRECTIONS FOR USE
ALMONDS	Brown Rot Blossom Blight and Twig Blight (Monolinia spp.) Leaf Blight (Seimalosporium lichenicola) Scab (Cladosporium earpophilum) Shot Hole (Coryneum Blight) (Stigmina carpophilum)	8 lbs	2 2/3 lbs ⁽⁵⁾	Apply pre-bloom through petal fall periods. Do not apply later than 5 weeks after petal fall. Do not apply more than 32 lbs/A per crop cycle. 49
APPLES	Apple Scab (Venturia inaequalis) Cedar Apple Rust ^{f0} , Quince Rust ^{f0} (Gymnosporangium spp.) Socty Blotch ^{f0} (Gloeodes pomigena) Fly Speck ^{f0} (Schizothyrium perexiguum) Bitter Rot ^{f0} (Glomerella cingulata)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through early cover sprays as needed. Do not apply within 14 days of harvest. Eastern U.S.: Do not apply more than 56 lbs/A per crop cycle. (4) Western U.S.: Do not apply more than 32 lbs/A per crop cycle. (4)
	Bull's-Eye Rot (Pacific Northwest only) (Pezicula maiicorticis)	6 to 8 lbs	1 1/2 to 2 ibs ⁽²⁾	Apply 12 to 14 days after calyx stage and repeat as necessary in summer sprays. Do not apply within 14 days of harvest. Do not apply more than 32 lbs/A per crop cycle. (4)
	Perennial Canker (Oregon only) (Neofabraes perennans)	6 to 8 tbs	1 1/2 to 2 lbs ⁽²⁾	Apply pre-bloom and calyx sprays. Do not apply more than 32 lbs/A per crop cycle. (4)
APRICOTS	Brown Rot Biossom Blight, Twig Blight and Fruit Rot (Monolinia spp.) Shot-Hole (Sigmina carpophila)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs	Apply in pre-bloom, bloom and petal fall through early cover sprays. Do not apply within 30 days of harvest. Do not apply more than 40 lbs/A per crop cycle. (4)
CHERRIES Eastern U.S.	Brown Rot Biossom Blight, Twig Blight and Fruit Rot (Monolinia spp.) Leaf Spot (Bumeriella jaapii)	5 to 8 tbs	1 2/3 to 2 2/3 tbs ^{t3})	Apply in pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall. Do not apply within 14 days of harvest. Do not apply more than 40 lbs/A per crop cycle. (4)
CHERRIES Western U.S.	Brown Rot Biossom Bilght, Twig Blight and Fruit Rot (Monolinia spp.) Leaf Spot ^{ro} (Slumeriella jaapii)	4 to 6 lbs (except CA) 4 to 5 lbs (CA only)	1 1/3 to 2 lbs ⁽³⁾ 1 1/3 to 1 2/3 lbs ⁽³⁾	Apply at pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall. Do not apply more than 30 lbs/A per crop cycle. (4) Do not apply within 30 days of harvest. (except California) Do not apply within 7 days of harvest. (California only)
PEACHES AND NECTARINES Eastern U.S.	Brown Rot Biossom Blight, Twig Blight and Fruit Rot (Monolinia spp.)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 (bs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do not apply within 14 days of harvest. Do not apply more than 72 lbs/A per crop cycle. ⁽⁴⁾
	Peach Blight (i.e. Shot Hole) (Stigmina carpophila)	4 1/2 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽⁵⁾	Apply at pre-bloom through cover sprays as needed. In addition to spray program, apply 8 lbs/A in the fall before the heavy rains. Do not apply within 14 days of harvest. Do not apply more than 72 lbs/A per crop cycle. (4)
	Peach Leaf Curl (Taphrina deformans)	3 3/4 to 8 lbs	1 1/4 to 2 2/3 lbs ⁽³⁾	Make dormant applications after leaf drop and/or prior to bud swell. Do not apply more than 72 lbs/A per crop cycle. (4)
PEACHES AND NECTARINES Western U.S.	Brown Rot Biossoin Blight, Twig Blight and Fruit Rot (Monolinia spp.)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. Do not apply within 30 days of harvest. Do not apply more than 56 lbs/A per crop cycle. (9)
	Peach Blight (i.e. Shot Hole) (Stigmina carpophila)	6 to 8 lbs (except CA) 8 lbs (CA only)	1 1/2 to 2 2/3 lbs ⁽³⁾ 2 2/3 lbs ⁽³⁾	Apply at pre-bloom through cover sprays as needed. In addition to preharvest spray program, apply 8 lbs/A in the fall (after harvest) before the heavy rains. Do not apply within 30 days of harvest. Do not apply more than 55 lbs/A per crop cycle. (4)
	Peach Leaf Curl (Taphrina deformans)	8 to 10 lbs (except CA) 8 lbs (CA only)	2 2/3 to 3 1/3 lbs ⁽³⁾ 2 2/3 fbs ⁽³⁾	Make dormant applications in late fall after leaf drop and/or in late winter prior to bud swell. Do not apply more than 56 lbs/A per crop cycle. (4)

 ⁽¹⁾ Not for use in California.
 (2) Based on dilute sprays of 400 gallons per acre.
 (3) Based on dilute sprays of 300 gallons per acre.
 (4) Crop cycle is defined as pre-bloom through post-harvest.

TREE CROPS	DISEASES	POUNDS ZIR per acre	AM GRANUFLO [®] per 100 gal	DIRECTIONS FOR USE
PEARS	Pear Scab (Venturia pyrina) Quince Rust ^(t)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply from pre-bloom through cover sprays as needed.
	(Gymnosporangium spp.)			Eastern U.S.: Do not apply within 14 days of
	Sooty Biotch ⁽¹⁾ (Gloeodes pomigena)			harvest. Do not apply more than 56 lbs/A per
ī	Fly Speck ⁽¹⁾ (Schizothyrium pomi)			crop cycle. ⁽¹⁾
	Bitter Rot ⁽¹⁾ (Giomerella cingulata)	*		Western U.S.: Do not apply within 5 days of
	Fabraea Leaf Spot ⁽¹⁾ (Diplocarpon mespili)			harvest. Do not apply more than 32 lbs/A per crop cycle. ⁽⁴⁾
	Bull's-Eye Rot (Pacific Northwest only)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply in the first cover spray and in pre-harvest
	(Pezicula malicorticis)			spray before fall rains begin. Repeat as necessary,
	1			especially if excessive rainfall occurs. Do not apply
				within 5 days of harvest. Do not apply more than 32 tbs/A per crop cycle. (4)
	Storage Rot (Oregon only)	6 to 8 lbs	1 1/2 to 2 lbs ⁽²⁾	Apply as a pre-harvest spray. Do not apply within 5 days of
	(Phlalophora malorum)			harvest. Do not apply more than 32 lbs/A per crop cycle. (4)
PECANS	Pecan Scab (Cladosporium effusum) Anthracnose (Glomerelia cingulata)	6 to 8 lbs	1 1/2 to 2 2/3 lbs ⁽³⁾	Apply up to 3 times beginning when leaves are 1/4 to 1/2 in long through pollination. Apply up to 5 more cover sprays a
				3 to 4 week intervals beginning after pollination. Do not
				apply within 55 days of harvest. Do not apply more than
				64 lbs/A per crop cycle. (4)
ORNAMENTAL CROPS ⁽¹⁾				
Asters	Rust (Puccinia spp.)		1 1/2 to 2 lbs	Begin application early in the growing season and continue every 7 days as needed until blossoms form.
Azaleas	Petal Blight		1 1/2 to 2 lbs	Begin application with first bloom. Apply at 3 to 5
Cameliias	(Pestalotia spp.)		•	day intervals as a drench to mulch and litter beneath and around bushes through bloom period.
Carnations	Rust (Puccinia spp.)		1 2/3 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout
Chrysanthemums			1 210 10 2 100	the growing season.
Marigolds				
Morning Glory				
Snapdragons				
Carnations	Leaf Spot (Alternaria spp.)		1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the
Chrysanthemums				growing season.
Dahlias	1			
Gladiolus	, 1			
Snapdragons	P. Addison Co.			
Cyclamens Gardenias	Botrytis Blight (Botrylis spp.) Leaf Spot (Phyllostica spp.)		1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout the growing season.
Dahllas	Powdery Mildew		1 2/3 to 2 lbs	Apply at 7 day intervals as needed throughout the
Deiphinium	(Erysiphe cichoracearum)			growing season.
Golden Glow				
Hollyhocks	· ·		• •	
Phlox				
Lilles	Botrytis Blight (Botrytis spp.)		1 1/2 to 2 lbs	Apply at 7 to 10 day intervals as needed throughout
Peonles	·			the growing season.
Poinsettias Tulips				***
Roses	Black Spot (Diplocarpon rosae)	·	1 2/3 to 2 lbs	Begin application when leaves
	Powdery Mildew (Sphaerotheca spp.)			unfold. Apply at 7 to 10 fay intervals as peeded throughout the grovຄາງ spason. ້ໍ້ໍ້ໍ້ໍ້
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 ⁽¹⁾ Not for use in California.
 (2) Based on dilute sprays of 400 gations per acre.
 (3) Based on dilute sprays of 300 gations per acre.
 (4) Crop cycle is defined as pre-bloom through post-harvest.

Deplos

TREES AND FRUIT (1)	DISEASES	POUNDS ZIRAM GRANUFLO per acre per 100 gai	DIRECTIONS FOR USE
Conifers Pine Seedlings	Fusiform Rust	2 lbs	Apply at 3 to 5 day intervals from plant emergence to mid-June.
Douglas Fir Christmas Trees	Melampsora Needle Rust	2 lbs	Make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Shasta Fir Christmas Trees	Puccineastrum Needle Rust	2 lbs	Make a single application in the spring when new shoot growth is 1/2 to 2 inches in length.
Apple Pear	Anthracnose (Pezicula malicorticis) European (Nectria) Canker Fusiform Rust	2 to 3 lbs	Apply as a thorough coverage spray in the fall and dormant periods. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Flowering Crab Apple Oregon Crab Quince	Anthracnose (Pezicula malicorticis)	2 to 3 lbs	Apply as a thorough coverage spray in the fall and dormant periods. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Sweet Cherry Wild Cherry Choke Cherry Cherry laurel Flowering Plum (non-edible only)	Witches' Broom, Leaf Curl, Plum Pockets (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Peach Apricot	Twig Blight (Monolinia spp.) Leaf Curl (Taphrina deformans)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
Nectarine	Leaf Curl (Taphrina deformans) Shot Hole (Stigmina carpophila)	2 to 3 fbs	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION.
American Hornbeam	Leaf Blister (Taphrina australis)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Eira Birch Maple	Leaf Blister (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
California Buckeye	Yellow Leaf Blister (Taphrina aesculi)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Oak	Leaf Blister (Taphrina caerulescens)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Alder	Leaf Curl, Catkin Hypertrophy (Taphrina spp.)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Popiar	Yellow Leaf Blister (Taphrina populina) Shoot Blight (Venturia populina)	2 to 3 lbs	Apply as a thorough coverage spray in the dormant period prior to bud swell.
SMALL FRUIT AND VEGETABLE CROPS ⁽¹⁾			
Græpe	Black Rot (Guignardia bidwellii) Downy Mildew (Plasmopara viticola) Phomopsis Carie and Leaf Spot (Phomopsis viticola) Ripe Rot (Glomerella cingulata) Botrytis Bunch Rot (Botrytis cinerea)	3 to 4 lbs	Apply before buds swell. Repeat after blossoming but before fruit forms.
Blackbernes	(aides in control) Evergreen blackberry canker	சு கேர்களை ஆற்றத்து ஆரு 3 lbs கவ	Apply in sufficient water for thorough coverage. Make one application between mid-tune and early July.
Forsato (Do not use on cherry comatoes)	Anthracnose (Colletotichum coccodes) Early Blight (Alternaria solani) Septoria Leaf Spot (Septoria lycopersici)	3 to 4 lbs	Begin applications at first sign of infection and continue at 7-14 day intervals. Use the shorter spray interval under high disease pressure. On not apply more than 24 lbs per acre per crop cycle. On and apply within 7 days of harvest. Ziram can be mixed with copper funcicides to enhance bacterial disease control.

⁽¹⁾ Not for use in California.