

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98

<p>United States Environmental Protection Agency Washington, DC 20460</p>	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number <h1 style="margin:0;">242590</h1>
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Application for Pesticide - Section I

1. Company/Product Number 45728-12	2. EPA Product Manager Jo-Arme Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ZIRAM GRANUFLO	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) UCB Chemicals Corporation c/o Compliance Services International 2001 J. Davis Highway, Suite 1010 <input type="checkbox"/> Arlington VA 22202 <small>Check if this is a new address</small>		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of correction of typographical errors per PR Notice 95-2. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify <u>Cardboard</u>)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 40 lb. box		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Kristine M. Hooks	Title Regulatory Consultant	Telephone No. (Include Area Code) (703) 415-4600
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamp)
2. Signature 	3. Title Regulatory Consultant	
4. Typed Name Kristine M. Hooks	5. Date September 13, 1995	



Ziram Granuflo®

Fungicide

2 of 6

(The Original 76% Water Dispersible Granules)

EPA Reg. No. 46728-12..... EPA Est. 32657-BEL-1

Active Ingredient:	
Ziram (zinc dimethyl dithiocarbamate).....	76.0%
Inert Ingredients:.....	24.0%
	TOTAL 100.0%

Zinc expressed as metallic 16.25%

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

**Si usted no entiende la etiqueta, busque a alguien para que se la explique 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 (404) 801-3248 or (404) 433-6421.

See Other Panels for Additional Precautionary Statements.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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.

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 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.

Read entire label carefully and use only as directed.

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.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about (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
- ◆ Protective eye wear
- ◆ Chemical-resistant headgear for overhead exposure

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 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 (404) 801-3248 or (404) 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, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Dealers Should Sell in Original Packages Only.

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.

Directions and Recommendations. Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

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. The use of the product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practices.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Application Equipment and Rates

See following pages for specific crop information.

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

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.

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. By air, use a minimum of 10 gallons per acre.

Under low disease conditions, minimum label rates per application can be used while 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.

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

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 before applying. Continue agitation and apply immediately.

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Make new dilutions for each spraying. Consult State Agricultural Experiment Station recommendations or State Extension Service Specialist for spray schedules for timing and frequency of applications in your area.

ZIRAM GRANUFLO® APPLICATION INFORMATION SPECIFIC TO CROP

FRUIT AND NUT TREE CROPS	APPLICATION INFORMATION	DISEASES	DIRECTIONS FOR USE
ALMONDS	LBS/A 8 lbs	Brown Rot Blossom Blight Leaf Blight Scab Shot Hole (Coryneum Blight) Twig Blight	Apply pre-bloom through petal fall periods. Do not apply later than 5 weeks after petal fall.
APPLES	LBS/A 6 to 8 lbs	Apple Scab Bull's-Eye Rot (Pacific Northwest only) Perennial Canker (Oregon only)	Apply from pre-bloom through early cover sprays needed. Apply 12 to 14 days after calyx stage and repeat as necessary in summer sprays. Apply pre-bloom and calyx sprays.
APRICOTS	LBS/A 8 lbs	Brown Rot Blossom Blight Shot-Hole (Coryneum Blight) Twig Blight	Apply in pre-bloom, bloom and petal fall through early cover sprays.
CHERRIES	LBS/A 4 - 5 lbs PHI 7 days	Brown Rot Blossom Blight	Apply in pre-bloom, bloom, petal fall and shuck stages, and approximately 2 weeks after shuck fall.
PEACHES AND NECTARINES	LBS/A 8 lbs	Brown Rot Peach Leaf Curl Peach Blight (Coryneum)	Apply at pre-bloom through cover sprays or as needed. Make dormant applications after leaf drop and/or prior to bud swell. In addition to spray program, apply 8 lbs per acre in the fall before the heavy rains.
PEARS	LBS/A 6 to 8 lbs	Pear Scab Storage Rots (Oregon only)	Apply from pre-bloom through early cover sprays as needed. Apply as a pre-harvest spray.
PECANS*	LBS/A 8 lbs APP. INTERVAL 21 -28 days	Pecan Scab	Apply once when tips of small nuts become brown and up to 4 more times as needed. Do not apply after August. *NOT FOR USE IN CALIFORNIA.

ZIRAM GRANUFLO® APPLICATION INFORMATION SPECIFIC TO CROP

ORNAMENTAL CROPS **	APPLICATION INFORMATION	DISEASES	DIRECTIONS FOR USE
Asters	LBS/12 GAL H ₂ O APP. INTERVAL 1 lb product 7 days	Rust	Begin application in early season and continue as needed until blossoms form.
Azaleas Camellias	LBS/100 GAL H ₂ O APP. INTERVAL 1 1/2 to 2 lbs product 3 to 5 days	Petal Blight	Begin application with first bloom. Apply as drench to mulch and litter beneath and around bushes through bloom period.
Carnations * Chrysanthemums * Marigolds Morning Glory Snapdragons *	LBS/100 GAL H ₂ O APP. INTERVAL 1 2/3 to 2 lbs product 7 to 10 days	Rust	Apply as needed throughout the growing season.
Carnations * Chrysanthemums * Dahlias * Gladolus Snapdragons *	LBS/100 GAL H ₂ O APP. INTERVAL 1 2/3 to 2 lbs product 7 days	Leaf Spot	Apply as needed throughout the growing season.
Cyclamens Gardenias	LBS/100 GAL H ₂ O APP. INTERVAL 1 1/2 to 2 lbs product 7 to 10 days	Botrytis Leaf Spot	Apply as needed throughout the growing season.
Dahlias * Delphinium Golden Glow Hollyhocks Phlox	LBS/100 GAL H ₂ O APP. INTERVAL 1 2/3 lbs product 7 days	Powdery Mildew	Apply as needed throughout the growing season.
Lillies Peonies Poinsettias Tulips	LBS/100 GAL H ₂ O APP. INTERVAL 1 1/2 to 2 lbs product 7 to 10 days	Botrytis	Apply as needed throughout the growing season.
Roses	LBS/100 GAL H ₂ O APP. INTERVAL 1 2/3 lbs product 7 to 10 days	Black Spot Powdery Mildew	Begin application when leaves unfold. Apply as needed throughout the season.

ORNAMENTAL TREES AND FRUIT**	APPLICATION INFORMATION	DISEASES	DIRECTIONS FOR USE
Conifers Pine Seedlings	LBS/100 GAL H ₂ O APP. INTERVAL 2 lbs product 3 to 5 days	Fusiform Rust	Apply from plant emergence to mid-June
Douglas Fir Christmas Trees	LBS/100 GAL H ₂ O 2 lbs product	Melampsora Needle Rust	Make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Shasta Fir Christmas Trees	LBS/100 GAL H ₂ O 2 lbs product	Puccineastrum Needle Rust	Make a single application in the spring when new shoot growth is 1/2 to 2 inches in length.

* See additional disease control listings.

**NOT FOR USE IN CALIFORNIA

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ZIRAM GRANUFLO® APPLICATION INFORMATION SPECIFIC TO CROP

ORNAMENTAL TREES AND FRUIT**	APPLICATION INFORMATION		DISEASES	DIRECTIONS FOR USE
Apple Pear	LBS/100 GAL H ₂ O	2 to 3 lbs product	Anthracnose (<i>Pezizola malicorticis</i>) European (Nectria) Canker (<i>Nectria galligena</i>)	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	LBS/100 GAL H ₂ O	2 to 3 lbs product	Anthracnose (<i>Pezizola malicorticis</i>)	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)	LBS/100 GAL H ₂ O	2 to 3 lbs product	Witches' Broom, Leaf Curl, Plum pockets (<i>Taphrina</i> spp.)	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION
Peach Apricot	LBS/100 GAL H ₂ O	2 to 3 lbs product	Twig blight (<i>Diplodia</i>) Leaf curl (<i>Taphrina deformans</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION
Nectarine	LBS/100 GAL H ₂ O	2 to 3 lbs product	Leaf curl (<i>Taphrina deformans</i>) Shot hole (<i>Stigmina carpophila</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell. DO NOT USE FRUIT FOR HUMAN CONSUMPTION
American Hornbeam	LBS/100 GAL H ₂ O	2 to 3 lbs product	Leaf blister (<i>Taphrina australis</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Elm Birch Maple	LBS/100 GAL H ₂ O	2 to 3 lbs product	Leaf blister (<i>Taphrina</i> spp.)	Apply as a thorough coverage spray in the dormant period prior to bud swell.
California Buckeye	LBS/100 GAL H ₂ O	2 to 3 lbs product	Yellow Leaf blister (<i>Taphrina aesculi</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Oak	LBS/100 GAL H ₂ O	2 to 3 lbs product	Leaf blister (<i>Taphrina caerulescens</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Alder	LBS/100 GAL H ₂ O	2 to 3 lbs product	Leaf curl, Catkin hypertrophy (<i>Taphrina</i> spp.)	Apply as a thorough coverage spray in the dormant period prior to bud swell.
Poplar	LBS/100 GAL H ₂ O	2 to 3 lbs product	Yellow Leaf blister (<i>Taphrina populina</i>) Shoot blight (<i>Venturia populina</i>)	Apply as a thorough coverage spray in the dormant period prior to bud swell.

**NOT FOR USE IN CALIFORNIA



UCB Chemicals Corporation
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Granuflo® is a Registered Trademark of UCB S.A., a Belgian corporation.