

Reg # 48142-1

PM-22

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

NOV 18 1994

LYNN C. CALLENS
MONTEREY CHEMICAL COMPANY
AGENT FOR: NORDOX INDUSTRIES AS
P.O. BOX 5317
FRESNO, CA. 93755

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 7/28/94 in Response to PR Notice 93-7
EPA Reg. No. 48142-1
NORDOX

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

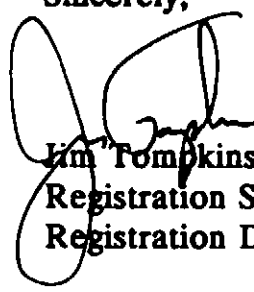
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Lynne C. Callens
MONTEREY CHEMICAL CO
AGENT FOR: NORDOX INDUSTRIER AS
BOX 5317
FRESNO CA 93755

Comment for: EPA Reg Nr.48142-1
NORDOX

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

No comment.



ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV 18 1994

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

48142-1

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SUPER MICRONIZED FUNGICIDE

ACTIVE INGREDIENT:

Copper [in cuprous oxide (Cu₂O)] 50.00%

INERT INGREDIENTS: 50.00%

TOTAL 100.00%

EPA Reg. No. 48142-1

EPA Est. No. 48142-NR-01

KEEP OUT OF REACH OF CHILDREN

CAUTION

HARMFUL IF SWALLOWED

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid breathing vapors or dust. Avoid contact with skin, eyes and clothing. In case of contact, immediately flush eyes or skin with plenty of water. Do not store near feed or food stuffs.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Drink 1 or 2 glasses of water or milk and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

If in eyes: Flush eyes with water for at least 15 minutes, holding eyelids apart. Seek medical attention immediately.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Net Contents: 20 lbs./9.1 kgs. or 50 lbs./22.68 kgs.

Manufactured by NORDOX Industrier AS, Oslo 6, Norway

c/o Monterey Chemical Co.

P.O. Box 5317

Fresno, CA 93755

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 handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

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

STORAGE

Store in a cool, dry place.

DISPOSAL

Household Use:

Securely wrap original container in several layers of newspaper and discard in trash.

Commercial Use:

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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

STATEMENT OF WARRANTY

NOTICE: Read this Statement of Warranty before buying or using this product. If the terms are not acceptable, return it at once unopened.

It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the User or Buyer and the limit of liability of this Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the User or Buyer for the quantity of product involved. Except to the extent prohibited by State Law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label; (ii) arising from handling or storage in violation of label instructions; (iii) for all indirect special or consequential damages; (iv) when not reported to this company within one year of discovery; and (v) arising from product not used within the label-designated shelf life or four years from date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.

GENERAL INSTRUCTIONS

Use NORDOX as noted. NORDOX is adaptable to spraying from all types of spray equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. For dilute, high volume sprays: use from 25 to 100 gallons of water per acre (GPA) for most vegetable crops, 400 to 800 GPA for fruit orchards and up to 1500 GPA as may be required for large citrus groves. For concentrate ground sprays apply from 5 to 20 GPA for most vegetable crops and 25 to 100 GPA for fruit and nut crops. For aerial spraying, 3 to 15 GPA are commonly used. Add NORDOX slowly to a spray tank partially filled with water. Spreader/stickers, insecticides, nutrients, etc., should be added last. Observe all cautions and limitations on labels of all products used in mixtures.

The following specific instructions are based on general applications. Where a dosage range is specified, apply higher dosage when disease conditions are severe. The recommendations of State Agricultural Extension Services should be closely followed as to timing, frequency and number of sprays per season.

CHEMIGATION: DO NOT apply this product through any type of irrigation system.

TREE AND VINE CROPS

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia laxa Stigmina carpophila	Dilute: 2.5 lbs/100 gal Concentrate: 8-20 lbs/A Aerial: 8-20 lbs/A	Apply in dormant/delayed-dormant sprays through popcorn stage
	Bacterial blast	Pseudomonas syringae	Dilute: 3-4 lbs/100 gal	Apply at dormant to early pink stage. Where disease is severe apply 1/4 lb at 2 week intervals post-bloom. Use 2-4 applications just prior to sprinkling. Slight leaf injury may occur.
Apples	Bacterial canker Apple scab (black spot)	Pseudomonas spp Venturia inaequalis	Dilute: 2-4 lbs/100 gal Concentrate: 3-5 lbs/A	Apply as dormant spray. Apply only at bud break to control primary infection.
Apricots	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia spp Stigmina carpophila	Dilute: 2.5 lbs/100 gal Concentrate: 8-20 lbs/A Aerial: 8-20 lbs/A	Apply in dormant/delayed-dormant sprays through popcorn stage. Do not apply after bloom.
Avocados	Anthraxnose Scab	Glomerella cingulata Sphaceloma perseae	Dilute: 2-3 lbs/100 gal Concentrate: 8-10 lbs/A	Apply when blossom buds open. Repeat at monthly intervals for 5-6 applications.
Bananas	Sigatoka	Cercospora musae	2 1/2 to 4 lbs/A	Apply every 3-4 weeks.

TREE AND VINE CROPS, Continued

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Blueberries	Bacterial canker	<i>Pseudomonas</i> spp	4-6 lbs/100 gal plus spreader/sticker	Apply before fall rains and again, 4 weeks later
	Cane canker	<i>Phyalospora corticus</i>	4-6 lbs/100 gal plus spreader/sticker	Apply before fall rains and again, 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence
Caneberries (blackberries, youngberries, loganberries, red & black raspberries)	Anthrachnose	<i>Gloeosporium allantosporum</i>	2 lbs/100 gal	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals
	Bacterial blight	<i>Pseudomonas syringae</i>	2-4 lbs/100 gal	Apply delayed-dormant spray in the spring and again in the fall
	Leaf and cane spot Yellow rust	<i>Septoria rubi</i> <i>Kuchnola uredinis</i> <i>Phragmidium rubri-idaei</i>	2-4 lbs/100 gal	Apply delayed-dormant spray in the spring and make a fall application.
Cherries	Brown rot blossom blight	<i>Monilinia</i> spp	2-5 lbs/100 gal	Apply at popcorn to full bloom stage
	Coryneum blight (shot hole) Dead bud	<i>Stigmna carpophila</i> <i>Pseudomonas syringae</i>	Dilute: 4-6 lbs/100 gal Concentrate: 8-20 lbs/A	Apply before heavy rains in the fall and again in dormant/delayed-dormant sprays. If disease is severe, apply a later summer spray after harvest.
Citrus	Melanose Fruit rot	<i>Phomopsis</i> spp. <i>Diplodia natalensis</i> <i>Diaporthe citri</i>	Dilute: 3-4 lbs/100 gal Concentrate: 4-20 lbs/A Aerial: 4-20 lbs/A	Florida and Texas Apply as pre-bloom and post-bloom sprays
	Spot anthracnose (scab) Greasy spot (pink pitting)	<i>Elsino fawcetti</i> <i>Mycosphaerella citri</i>		
	Brown rot	<i>Phytophthora citrophthora</i>	Dilute: 1/2-2 lbs/100 gal	Apply in the fall just before rainy season. Apply as an overall or skirt spray. Apply to the soil beneath the trees. Use with lime in areas where copper injury is known to occur.
Cocoa	Black pod rot	<i>Phytophthora palmivora</i>	2-4 lbs/A	Apply on 14-21 day schedule in high rainfall areas
Coffee	Iron spot Pink disease	<i>Cercospora</i> spp <i>Corticium salmoni color</i>	2-8 lbs/A	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Leaf rust Leaf spot Berry spot	<i>Hemiteia vastatrix</i> <i>Mycena citricolor</i> <i>Cercospora coffeicola</i>	3 1/2-8 lbs/A	Apply as locally recommended, usually at 3-4 week intervals depending upon disease severity and rainfall condition.
Cranberries	Fruit rot	<i>Ceuthospora kunata</i>	8 lbs/A	Begin application in late bloom. 1-2 additional applications at 10-14 day intervals may be necessary
	Stem and leaf blight Red leaf spot	<i>Botryosphaeria vaccinii</i> <i>Exobasidium vaccinii</i>	8 lbs/A	Apply delayed-dormant spray in the spring. Repeat as needed through pre-bloom
Currants, Gooseberries	Leaf spot (cane blight)	<i>Botryosphaeria ribis</i>	5-10 lbs/A	Make 3 applications starting after harvest, before bloom and after petal fall.
Filberts	Bacterial blight	<i>Pseudomonas</i> spp <i>Xanthomonas</i> spp	4-5 lbs/100 gal	Apply in late August or early September. Under severe conditions, apply another application when 3/4 of the leaves have dropped.
Grapes	Black rot Downy mildew	<i>Guignardia bidwellii</i> <i>Plasmopora viticola</i>	2 lbs/A	Apply the first application when the shoots are 6-8 inches long. A second application should be applied just after bloom and a third before fruit changes color or every 4-10 days if disease is severe.
	Powdery mildew	<i>Uncinula necator</i>	2 lbs/A	Apply the first application when shoots are 6-8 inches long. A second application should be applied just before blooming. Foliar injury occurs on copper-sensitive varieties
Mangoes	Anthrachnose	<i>Glomerella cingulata</i>	Dilute: 2 lbs/100 gal Concentrate: 4-5 lbs/A	Apply monthly after fruit set until harvest
Olives	Peacock spot Anthrachnose	<i>Cycloconium oleaginum</i> <i>Gloeosporium olivarum</i>	Dilute: 2-3 lbs/100 gal Concentrate: 8-12 lbs/A	Apply prior to winter rains. A second application in the early spring should be made under severe disease symptoms.
Peaches, Nectarines	Brown rot blossom blight Coryneum blight (shot hole) Leaf curl	<i>Monilinia</i> spp <i>Stigmna carpophila</i> <i>Taphrina deformans</i>	Dilute: 2-4 lbs/100 gal Concentrate: 8-20 lbs/A Aerial: 8-20 lbs/A	For leaf curl and shot hole, apply in dormant/delayed-dormant sprays. For brown rot and shot hole apply before bud swell in the full pink bud stage.
	Bacterial spot	<i>Xanthomonas pruni</i>	2 lbs/100 gal 1/4 lb/100 gal	Apply as a dormant spray. Apply post-bloom at first and second cover sprays. Slight injury to the foliage may occur with post-bloom sprays.
Pears	Fire blight	<i>Erwinia amylovora</i>	Dilute: 1/4-1/2 lb/100 gal Concentrate: 1-2 lbs/A	Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period. Do not use on copper-sensitive varieties
	Blossom blast	<i>Pseudomonas syringae</i>	Dilute: 2-4 lbs/100 gal Concentrate: 3-5 lbs/A	Apply as a dormant spray. Apply only at bud break to control primary infection.
Plums, Prunes	Brown rot blossom blight Coryneum blight (shot hole)	<i>Monilinia</i> spp <i>Stigmna carpophila</i>	Dilute: 4-5 lbs/100 gal Concentrate: 12-20 lbs/A Aerial: 16-20 lbs/A	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages
Quince	Fire blight	<i>Erwinia amylovora</i>	Dilute: 1/4-1/2 lb/100 gal Concentrate: 1-2 lbs/A	Apply at 10% bloom and repeat at 5-7 day intervals during bloom period. Do not use on copper-sensitive varieties
	Blossom blast	<i>Pseudomonas syringae</i>	Dilute: 2-4 lbs/100 gal Concentrate: 3-5 lbs/A	Apply as a dormant spray. Apply only at bud break to control primary infection
Strawberries	Leaf spot Bacterial leaf blight	<i>Mycosphaerella fragariae</i> <i>Pseudomonas</i> spp	2-3 lbs/100 gal 2-3 lbs/A	Begin application when plants are established and continue on a weekly schedule
Tea	Blister blight	<i>Exobasidium vexans</i>	2-4 oz/A	Apply on a 7-10 day schedule
Walnuts	Walnut blight	<i>Xanthomonas juglandis</i>	Dilute: 2-4 lbs/100 gal Concentrate: 8-12 lbs/A Aerial: 8-12 lbs/A	Make first application at early pre-bloom when the catkins are partially expanded. Make additional applications at 7-10 day intervals or more frequently if rainfall occurs

FIELD AND VEGETABLE CROPS

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CROP	DISEASE	LATIN NAME	RATE	REMARKS
Alliata	Leaf spots	Cercospora spp Leptosphaerulina spp	2-4 lbs/A	Apply by ground or air 10-14 days prior to harvest. Slight injury may occur to sensitive varieties.
Beans	Bacterial blight (halo blight) Anthracnose Downy mildew Cercospora leaf spot	Xanthomonas phaseoli Pseudomonas phaseolicola Colletotrichum Indemuthium Peronospora spp Cercospora spp	1-4 lbs/A	Begin applications by ground or air when plants are 5-6 inches high and repeat at 10-14 day intervals.
Beets	Downy mildew Leaf spot	Peronospora spp Cercospora beticola	1-3 lbs/A	Apply by ground or air when disease first appears and repeat at 7-14 day intervals.
Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Downy mildew Black rot Black leaf spot	Peronospora parasitica Xanthomonas campestris Alternaria spp	1/2-1 lbs/A 1-3 lbs/A	Apply at 7 day intervals. Apply by ground or air when disease first appears and repeat it at 7-14 day intervals.
Carrots	Downy mildew Blight	Peronospora spp Cercospora spp. Alternaria spp.	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals.
Celery	Bacterial blight Early blight Late blight	Pseudomonas spp Cercospora spp Septoria spp	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals.
Cucurbits (cantaloupes, honeydew, cucumbers, pumpkins, squash, watermelons)	Downy mildew Angular leaf spot Anthracnose Alternaria leaf spot Bacterial wilt Gummy stem blight	Pseudoperonospora cubensis Pseudomonas lachrymans Colletotrichum lagenarium Alternaria cucumerina Erwinia tracheiphila Mycosphaerella melonis	1 1/2-2 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Eggplant	Alternaria blight Anthracnose Fruit rot	Alternaria spp Colletotrichum spp. Phomopsis vexans	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Hops	Downy mildew	Pseudoperonospora humuli	2 lbs/A	Apply as needed at 10 day intervals. Begin with crown treatment (after pruning but before training) and continue until 2 weeks before harvest.
Lettuce	Downy mildew	Bremia lactucae	1-2 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals. Slight injury may occur under adverse weather conditions.
Onions	Downy mildew Purple blotch	Peronospora spp Alternaria porri	2-4 lbs/A	Apply by ground or air when plants are 4-6 inches high and repeat at 7-10 day intervals.
Peanuts	Cercospora leaf spot	Cercospora personata	1 1/2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Peppers	Bacterial spot Anthracnose Early blight Late blight Leaf spot Downy mildew	Xanthomonas vesicatoria Colletotrichum spp Alternaria solani Phytophthora infestans Cercospora capsici Peronospora spp.	2-4 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Potatoes	Early blight Late blight	Alternaria solani Phytophthora infestans	1-6 lbs/A 2-4 lbs/A	Apply at 7-10 day intervals when plants are 6 inches high up until harvest. Apply by ground or air. Apply by ground or air before disease appears and repeat as needed at 7-10 day intervals.
Spinach	Anthracnose Cercospora leaf spot Downy mildew White rust	Glomerella spp. Cercospora spp. Peronospora effusa Albugo occidentalis	2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-10 day intervals.
Sugarbeets	Cercospora leaf spot	Cercospora personata	1 1/2-3 lbs/A	Apply by ground or air when disease appears and repeat at 7-14 day intervals. May be tank-mixed with sulfur to enhance control.
Tobacco	Damping off diseases Angular leaf spot Frog eye disease Brown spot Wild fire Blue mold	Various Pseudomonas angulata Cercospora nicotianae Alternaria longipes Pseudomonas tabaci Peronospora tabacina	5-6 lbs/A 4-5 lbs/A 4-5 lbs/A 4-5 lbs/A 2 lbs/A 2 lbs/A	Avoid overwatering. Dust the seed bed after planting. Apply on 7-10 day basis when disease appears. Destroy all infected plants. Apply just before transplanting and when topped. Apply every 7-10 days when disease appears. Apply every 7 days from seeding to transplanting. Apply every 7-10 days when disease appears.
Tomatoes	Bacterial spot Bacterial speck Bacterial canker Anthracnose Early blight Late blight Leaf mold Septoria leaf spot Gray leaf spot	Xanthomonas vesicatoria Pseudomonas tomato Corynebacterium michiganense Glomerella phomoides Alternaria solani Phytophthora infestans Cladosporium fulvum Septoria lycopersici Stemphylium solani	2-4 lbs/A	Apply prior to the appearance of the disease by ground or air and repeat 7-10 day intervals.