

AUG 22 1994

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Nordox Industries AS
c/o Lynne C. Callens
Monterey Chemical Company
P.O. Box 5317
Fresno, CA 93755

Gentlemen:

Subject: Revised Labeling
Copper Nordox
EPA Registration No. 48142-1
Your Application Dated August 9, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

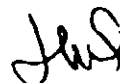
1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- The net contents on the label must specify the actual net contents of the product as shipped. See Title 40 Code of Federal Regulations § 156.10(b).

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Ln Cynthia Giles-Parker
Product Manager (22)
Fungicide Herbicide Branch
Registration Division (7505C)

Enclosure

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NORDOX

SUPER MICRONIZED FUNGICIDE

ACTIVE INGREDIENT:

Cuprous oxide (Cu ₂ O)*	56.40%
INERT INGREDIENTS	43.60%
TOTAL 100.00%	

*Metallic copper equivalent: 50.1%

ACCEPTED EPA Reg. No. 48142 - 1
with COMMENTS Est. No. 48142-NR-01
in EPA Letter Dated:

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

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KEEP OUT OF REACH OF CHILDREN

CAUTION

HARMFUL IF SWALLOWED

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

48142-1

CAUTION: 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.

Manufactured by NORDOX Industrier AS, Oslo 6, NORWAY

c/o Monterey Chemical Co.

P. O. Box 5317

Fresno, CA 93755

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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 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.

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

The per acre use rates for NORDOX are applicable for dilute, concentrate and aerial sprays. Where dosage and/or interval ranges are indicated, these may be adjusted according to disease conditions. For example, when conditions favor severe disease pressure, use the maximum rate and shortest spray interval. Do not apply less than the minimum recommended dosage.

Although NORDOX is adaptable to spraying from all types of spray equipment, thorough coverage is essential for optimal disease control. Depending on the equipment used and the specific crop, the recommended dosage of NORDOX may be applied in varying spray volumes according to the following guidelines. 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.

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

MIXING: Add NORDOX slowly to a spray tank partially filled with water and agitate mixture to maintain a uniform suspension. Spreader/stickers, insecticides, nutrients, etc., should be added last. Observe all cautions and limitations on labels of all products used in mixtures.

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TREE AND VINE CROPS

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Almonds	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia laxa Stigmata carpophila	8 - 20 lbs/A	Apply in dormant/delayed dormant sprays through popcorn stage.
	Blossom blight	Pseudomonas syringae	12 - 16 lbs/A	Apply at dormant to early pink stage. Where disease is severe apply 1 lb. at 2 week intervals post-bloom. Slight leaf injury may occur.
Apples	Bacterial canker Blossom blight Apple scab (black spot)	Pseudomonas spp. Pseudomonas syringae Venturia inaequalis	8 - 16 lbs/A	Apply as dormant spray. Apply only at bud break to control primary infection.
	Fire blight	Erwinia amylovora	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.
Apricots	Brown rot blossom blight Coryneum blight (shot hole)	Monilinia spp. Stigmata carpophila	8 - 20 lbs/A	Apply in dormant/delayed-dormant sprays through popcorn stage. Do not apply after bloom.
Avocados	Anthracoise Scab	Gomerella cingulata Sphaceloma perseae	8 - 10 lbs/A	Apply when blossom buds open. Repeat at monthly intervals for 5-6 applications.
Bananas	Sigatoka	Cercospora musae	2 1/2 - 4 lbs/A	Apply every 3-4 weeks.
Blueberries	Bacterial canker	Pseudomonas spp.	10 - 15 lbs/A plus spreader/sticker	Apply before fall rains and again, 4 weeks later.
	Cane canker	Phytophthora corticis	10 - 15 lbs/A 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)	Anthracoise	Gloeosporium allantosporum	5 - 10 lbs/A	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals.
	Bacterial blight Leaf and cane spot Yellow rust	Pseudomonas syringae Septoria rubi Kuchnola uredinis Phragmidium rubi-idae	5 - 10 lbs/A	Apply delayed-dormant spray in the spring and again in the fall.
Cherries	Brown rot blossom blight	Monilinia spp.	8 - 20 lbs/A	Apply at popcorn and full bloom stage.
	Coryneum blight (shot hole) Dead bud	Stigmata carpophila Pseudomonas syringae	8 - 20 lbs/A	Apply before heavy rains in the fall and again in dormant/delayed-dormant sprays. If disease is severe, apply a summer spray after harvest.
Citrus	Melanose Fruit rot	Phomopsis spp. Diplodia natalensis	4 - 20 lbs/A	Florida and Texas. Apply as pre-bloom and post-bloom sprays.
	Spot Anthracnose (scab) Greasy spot (pink pitting)	Diaporthe citri Elsino lawcetti Mycosphaerella citri		
	Brown rot	Phytophthora citrophthora	4 - 20 lbs/A	Apply in the fall just before rain season. Apply as an overall or skirt spray and to soil beneath the trees. Use with lime in areas where copper injury is known to occur.
Cocoa	Black pod rot	Phytophthora citrophthora	2 - 4 lbs/A	Apply on 14-21 day schedule in high rainfall areas.
Coffee	Iron spot Pink disease	Cercospora spp. Colletotrichum salmoni color	2 - 8 lbs/A	Apply 3 applications at monthly intervals at the beginning of the wet season.
	Leaf rust Leaf spot Berry spot	Hemileia vastatrix Mycena citricolor Cercospora coffeicola	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	Ceuthospora lunata	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	Botryosphaeria vaccinii Eckhardium vaccinii	8 lbs/A	Apply delayed dormant spray in the spring. Repeat as needed through pre bloom.
Currants, Gooseberries	Leaf spot (sawtooth)	Botryosphaeria rubi	5 - 10 lbs/A	Make 3 applications starting after harvest, before bloom and after petal fall.

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Filberts	Bacterial blight	<i>Pseudomonas</i> spp <i>Xanthomonas</i> spp.	12 - 20 lbs/A	Apply after harvest. Under severe conditions, apply another application when 3/4 of the leaves have dropped.
Hops	Downy mildew	<i>Plasmopora humuli</i>	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.
Grapes	Black rot Downy mildew Powdery mildew	<i>Gulgnardia bidwelli</i> <i>Plasmopora viticola</i> <i>Uncinula necator</i>	2 lbs/A	Apply just before bud break, when the shoots are 6-8 inches long, just after bloom, and every 4-10 days throughout season as needed. Foliar injury may occur on copper-sensitive varieties.
Mangoes	Anthraxnose	<i>Glomerella cingulata</i>	4 - 5 lbs/A	Apply monthly after fruit set until harvest.
Olives	Peacock spot Anthraxnose	<i>Cycloconium oleaginum</i> <i>Gleosporium olivarum</i>	8 - 12 lbs/A	Apply prior to winter rains and again in the early spring should 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>	8 - 20 lbs/A	For leaf curl and shot hole, apply in dormant/dormant-delayed sprays. For brown rot and shot hole, apply before bud swell in the full pink bud stage.
	Bacterial spot	<i>Xanthomonas pruni</i>	6 - 8 lbs/A 1 lb/A	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, Quince	Fire blight	<i>Erwinia amylovora</i>	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>	8 - 16 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>	12 - 20 lbs/A	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages.
Walnuts	Walnut blight	<i>Xanthomonas juglandis</i>	8 - 12 lbs/A	Apply at early pre-bloom when catkins are partially expanded. Repeat application at 7 - 10 day intervals or more frequently if rainfall occurs.

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FIELD AND VEGETABLE CROPS

CROP	DISEASE	LATIN NAME	RATE	REMARKS
Artichoke	Leaf spots	<i>Cercospora</i> spp. <i>Leptosphærelina</i> 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) Antracnose Downy mildew Cercospora leaf spot	<i>Xanthomonas phaseoli</i> <i>Pseudomonas phaseolicola</i> <i>Colletotrichum lindemuthianum</i> <i>Peronospora</i> spp. <i>Cercospora</i> 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, Sugarbeets	Downy mildew Cercospora leaf spot	<i>Peronospora</i> spp. <i>Cercospora beticola</i>	1 - 3 lbs/A	Apply by ground or air when disease first appears and repeat at 7 - 14 day intervals. May be tank-mixed with sulfur to enhance control.
Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Downy mildew Black rot Black leaf spot	<i>Peronospora parasitica</i> <i>Xanthomonas campestris</i> <i>Alternaria</i> spp.	1/2 - 1 lb/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	<i>Peronospora</i> spp. <i>Cercospora</i> spp. <i>Alternaria</i> 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	<i>Pseudomonas</i> spp. <i>Cercospora</i> spp. <i>Septoria</i> 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 Antracnose Alternaria leaf spot Bacterial wilt Gummy stem blight	<i>Pseudoperonospora cubensis</i> <i>Pseudomonas lachrymans</i> <i>Colletotrichum lagenarium</i> <i>Alternaria cucumerina</i> <i>Erwinia tracheiphila</i> <i>Mycosphaerella melonis</i>	1 1/2 - 2 lbs/A	Apply by ground or air when disease appears and repeat at 7 - 10 day intervals.
Eggplant	Alternaria blight Antracnose Fruit rot	<i>Alternaria</i> spp. <i>Colletotrichum</i> spp. <i>Phomopsis vexans</i>	2 - 4 lbs/A	Apply by ground or air when disease appears and repeat at 7 - 10 day intervals.
Lettuce	Downy mildew	<i>Bremia lactucae</i>	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	<i>Peronospora</i> spp. <i>Alternaria porri</i>	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	<i>Cercospora personata</i>	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 Antracnose Early blight Late blight Leaf spot Downy mildew	<i>Xanthomonas vesicatoria</i> <i>Colletotrichum</i> spp. <i>Alternaria solani</i> <i>Phytophthora infestans</i> <i>Cercospora capsici</i> <i>Peronospora</i> 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	<i>Alternaria solani</i> <i>Phytophthora infestans</i>	1 - 6 lbs/A 2 - 4 lbs/A	Apply by ground or air at 7 - 10 day intervals when plants are 6 inches high until harvest. Apply by ground or air when disease appears and repeat as needed at 7 - 10 day intervals.
Spinach	Antracnose Cercospora leaf spot Downy mildew White rust	<i>Glomerella</i> spp. <i>Cercospora</i> spp. <i>Peronospora effusa</i> <i>Aibuga occidentalis</i>	2 - 3 lbs/A	Apply by ground or air when disease appears and repeat at 7 - 10 day intervals.
Strawberries	Leaf spot Bacterial leaf blight	<i>Mycosphaerella fragariae</i> <i>Pseudomonas</i> spp.	5 - 8 lbs/A 2 - 3 lbs/A	Begin application when plants are established and continue on a weekly schedule.

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Tobacco	Damping off diseases	Various	5 - 6 lbs/A	Avoid overwatering. Dust the seed bed after planting.
	Angular leaf spot	<i>Pseudomonas angulata</i>	4 - 5 lbs/A	Apply on 7 - 10 day basis when disease appears. Destroy all infected plants.
	Frog eye disease	<i>Cercospora nicotianae</i>	4 - 5 lbs/A	Apply just before transplanting and when topped.
	Brown spot	<i>Alternaria longipes</i>	4 - 5 lbs/A	Apply every 7 - 10 days when disease appears.
	Wild fire	<i>Pseudomonas tabaci</i>	2 lbs/A	Apply every 7 days from seeding to transplanting.
	Blue mold	<i>Peronospora tabacina</i>	2 lbs/A	Apply every 7 - 10 days when disease appears.
Tomatoes	Bacterial spot	<i>Xanthomonas vesicatoria</i>	2 - 4 lbs/A	Apply by ground or air prior to the appearance of disease and repeat at 7 - 10 day intervals.
	Bacterial speck	<i>Pseudomonas tomato</i>		
	Bacterial canker	<i>Corynebacterium michiganense</i>		
	Anthracnose	<i>Glomerella phomodes</i>		
	Early blight	<i>Alternaria solani</i>		
	Late blight	<i>Phytophthora infestans</i>		
	Leaf mold	<i>Cladosporium fulvum</i>		
	Septoria leaf spot	<i>Septoria lycopersici</i>		
	Gray leaf spot	<i>Stemphytum solani</i>		

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