

48142-7

5/18/2010

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

NORDOX AS  
c/o Lynn P. Georges  
Monterey AgResources  
P.O. Box 35000  
Fresno, CA 93745-5000

MAY 18 2010

Subject: NORDOX 30/30 WG  
EPA Reg. No. 48142-7  
Original Label Amendment dated 11/5/08 and resubmission of 2/17/2010  
EPA Decision Number 403099

Dear Ms. Georges:

The amended label your version "0210(01)" referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended, to respond to the original Registration Notice and copper RED requirements, is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Janet Whitehurst by phone at (703) 305-6129 or via email at [whitehurst.janet@epa.gov](mailto:whitehurst.janet@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Tony Kish", is written over the typed name.

Tony Kish  
Product Manager (22)  
Fungicide Branch  
Registration Division (7504P)

Enclosure:



# NORDOX 30/30 WG

**GROUP M FUNGICIDE**

## ACTIVE INGREDIENT:

Cuprous Oxide (Cu<sub>2</sub>O)\* ..... 33.8%

**OTHER INGREDIENTS\*\*:** ..... 66.2%

**TOTAL** ..... 100.0%

\*Metallic copper equivalent: 30% CAS# 1317-39-1

\*\* Metallic zinc equivalent 30%; derived from zinc oxide

EPA Reg. No. 48142-7

EPA Est. No. 48142-NR-1

## Manufactured by:

NORDOX AS • Oslo, NORWAY

c/o Monterey AgResources • P.O. Box 35000 • Fresno, CA 93745

**NET WEIGHT:** \_\_\_\_\_

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a Poison Control Center or doctor for treatment advice. **IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. **IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

*Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.*

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are natural rubber or polyvinyl chloride. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves.

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

**Engineering Controls:** 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

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.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**For terrestrial uses:** 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 contaminate water when disposing of equipment washwater or rinsate.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or 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. To the extent consistent with 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. To the extent consistent with applicable 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.

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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) 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 12 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, shoes plus socks, and chemical-resistant gloves made of any waterproof material

### GENERAL INSTRUCTIONS

The per acre use rates for NORDOX 30/30 WG 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. High rates may be phytotoxic when crop is experiencing environmental stress (hot, dry conditions).

### MIXING

Add the required amount of NORDOX 30/30 WG 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. Although this product is compatible with most commonly used agricultural inputs, if compatibility is in question, use the compatibility jar test before mixing a whole tank. Use in accordance with the most restrictive of label precautions and limitations of all products used in mixtures.

MINIMUM SPRAY VOLUME (GALLONS) PER ACRE

	GROUND		AERIAL
	Dilute	Concentrate	
Tree Crops	400	50	10
Citrus	800	100	10
Vines	200	25	10

Application volumes depend on the crop type, crop size and target pest. Dilute applications are recommended to ensure the best coverage. Adjust the spray volume to obtain maximum coverage without runoff. Concentrate and aerial applications may reduce coverage, thereby reducing effectiveness and also increasing potential for phytotoxicity. Concentrate or aerial applications can provide satisfactory results as long as the spray unit is properly engineered, calibrated and operated.

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

## SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

### Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572 (or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles).

### Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

### Temperature Inversions

If applying at wind speed less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom applications:

- Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

For orchard/vineyard airblast applications, do not direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is approximately 3-10 mph at the application site as measured by an anemometer outside of the orchard/vineyard on the upwind side.

## FROST INJURY PROTECTION

Application of NORDOX 30/30 WG made to all crops listed on this label at rates indicated on this label, just prior to anticipated frost conditions, will sustain control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost. Not intended for those geographic areas where weather conditions favor severe frost.

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### CROP APPLICATION RATES

The following specific instructions are based on general application procedures. Consult with your State Agricultural Experimental Station or State Agricultural Extension Service personnel for additional information as timing, frequency, and number of sprays per season will vary with local conditions.

Crop	Disease(s) / Use Instructions	Lbs. per Acre
ALMONDS	Bacterial canker Brown rot blossom blight Coryneum blight (shot hole)	3.5-26.67
	Apply in dormant/delayed dormant sprays through popcorn stage. Minimum retreatment interval is 7 days.	
	Blossom blast ( <i>Pseudomonas</i> )	7-26.67
	Apply in dormant/delayed dormant sprays through pink bud stage. Minimum retreatment interval is 7 days.	
	Bacterial canker Blossom blast ( <i>Pseudomonas</i> )	0.67-1.67
	Apply post-bloom when disease is severe. Leaf injury may occur, especially under hot/dry conditions. Minimum retreatment interval is 5 days.	
NOTE: Do not apply more than 60 pounds of Nordox 30/30 WG per acre per year.		
APPLES	Anthracnose	10-16.25
	Apply to foliage after harvest annually for red varieties and once every 2-3 years for yellow varieties.	
	Apple scab Bacterial canker Blossom and shoot blast	10-26.67
	Apply post-harvest before fall rains. Minimum retreatment interval is 7 days.	
	Apple scab Fire blight	7-20
	Apply as a full cover spray between silver-tip and green-tip. Discontinue when green-tip reaches 1/2 inch as injury may occur. Minimum retreatment interval is 7 days.	
APRICOTS	Fire blight	1.67
	Extend applications where fruit finish is not a concern. Apply at 10% bloom and repeat at 5-7 day intervals during the bloom period. Do not use on copper-sensitive varieties.	
	NOTE: Do not apply more than 53.33 pounds of Nordox 30/30 WG per acre per year.	
	Bacterial canker Brown rot blossom blight Coryneum blight (shot hole)	3.5-26.67
	Apply post-harvest before fall rains and in dormant/delayed dormant sprays through popcorn stage. Do not apply after bloom. Minimum retreatment interval is 7 days.	
	Bacterial blast ( <i>Pseudomonas</i> )	7-25
AVOCADOS	Apply post-harvest before fall rains and at dormant to early pink stage. Minimum retreatment interval is 7 days.	
	Bacterial blast ( <i>Pseudomonas</i> ) Bacterial canker	0.67-1.67
	Apply post-bloom when disease is severe. Slight leaf injury may occur. Minimum retreatment interval is 5 days.	
	NOTE: Do not apply more than 60 pounds of Nordox 30/30 WG per acre per year.	
	Anthracnose Cercospora spot Scab	7-10.5
	Apply when blossom buds open. Minimum retreatment interval is 14 days.	
NOTE: Do not apply more than 63 pounds of Nordox 30/30 WG per acre per year.		

Crop	Disease(s) / Use Instructions	Lbs. per Acre
CHERRIES	Brown rot blossom blight Coryneum blight (shot hole)	5
	Apply at popcorn and repeat through bloom if rains continue. Minimum retreatment interval is 5 days.	
	Bacterial canker Coryneum blight (shot hole) Dead bud (blossom blast)	12.5-26.67
	Apply before heavy rains in the fall and again in dormant / delayed-dormant sprays. If disease is severe, apply a summer spray after harvest. Minimum retreatment interval is 7 days.	
NOTE: Do not apply more than 60 pounds of Nordox 30/30 WG per acre per year.		
CITRUS	Greasy spot (pink pitting) Melanose Spot anthracnose (scab)	3.5-10.5
	Apply as pre-bloom and post-bloom sprays. Minimum retreatment interval is 7 days.	
	Brown rot Septoria spot	3.5-10.5
	Apply in the fall just before rainy season or just after the first rain. 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. When rainfall is excessive, apply again in January or February.	
	Citrus canker (suppression only)	10.5
	Spray flushes 7-14 days after shoots begin to grow. Young fruit may require an additional application. Number and timing of application will be dependent upon disease pressure. Under heavy pressure, each flush of new growth should be sprayed. Minimum retreatment interval is 7 days.	
NOTE: Do not apply more than 42 pounds of Nordox 30/30 WG per acre per year.		
FILBERTS (OR, WA)	Bacterial blight	14-20
	Apply after harvest. Under severe conditions, apply again when 3/4 of the leaves have dropped. Minimum retreatment interval is 14 days.	
	Eastern filbert blight	14-20
	Apply as a dilute spray in adequate water for thorough coverage. Make initial application after harvest in October before heavy rains begin. The next application should be made in late February to early March followed by another application 1 month later. If desired, add 1 pint of a sticking agent or superior type oil per 100 gallons of water. Use higher rates when rainfall is heavy and disease pressure is high.	
NOTE: Do not apply more than 80 pounds of Nordox 30/30 WG per acre per year.		
GRAPES	Black rot Downy mildew Phomopsis Powdery mildew	1.75-10
	Apply just before bud break, when the shoots are 6-8 inches long, just after bloom, and throughout season as needed. Minimum retreatment interval is 3 days. Foliar injury may occur on copper-sensitive varieties.	
	NOTE: Do not apply more than 66.67 pounds of Nordox 30/30 WG per acre per year.	

Crop	Disease(s) / Use Instructions	Lbs. per Acre
PEACHES, NECTARINES	Bacterial blast ( <i>Pseudomonas</i> ) Brown rot blossom blight Coryneum blight (shot hole) Leaf curl	7-26.67
	Apply post-harvest before fall rains. For bacterial blast, leaf curl, and shot hole, also apply in dormant / delayed-dormant sprays. For brown rot and shot hole, also apply before bud swell in the full pink bud stage. Minimum retreatment interval is 7 days.	
	Bacterial spot	7-26.67
	Apply post-harvest before fall rains and as a dormant spray	
	Bacterial spot Scab	1.67-5
	Apply post-bloom at first and second cover sprays. Slight injury to the foliage may occur with post-bloom sprays. Minimum retreatment interval is 5 days.	
NOTE: Do not apply more than 60 pounds of Nordox 30/30 WG per acre per year.		
PEARS, QUINCE	Fire blight	1.67
	Apply at 10% bloom and repeat as needed during the bloom period. Minimum retreatment interval is 5 days. Do not use on copper sensitive varieties.	
	Blossom blast ( <i>Pseudomonas</i> )	10-26.67
	Apply only once, either post-harvest before fall rains or as a dormant spray.	
NOTE: Do not apply more than 53.33 pounds of Nordox 30/30 WG per acre per year.		
PISTACHIOS	Alternaria late blight	3.5-7
	Apply at 50%, at full bloom and repeat as needed. Minimum retreatment interval is 14 days.	
	Botrytis blight Botryosphaeria panicle and shoot blight Septoria leaf blight	3.5-7
	Make initial application at bud swell and repeat as needed. Minimum retreatment interval is 14 days.	
NOTE: Do not apply more than 28 pounds of Nordox 30/30 WG per acre per year.		
PLUMS, PRUNES	Brown rot blossom blight Coryneum blight (shot hole)	7-26.67
	Apply as a dormant spray before heavy rains begin. For brown rot, apply at early green bud to full popcorn stages. Minimum retreatment interval is 7 days.	
	Bacterial blast ( <i>Pseudomonas</i> ) Bacterial canker	7-25
	Apply at dormant to early pink stage.	
	Bacterial blast ( <i>Pseudomonas</i> ) Bacterial canker	0.67-5
	Apply post-bloom when disease is severe. Slight leaf injury may occur. Minimum retreatment interval is 5 days.	
NOTE: Do not apply more than 60 pounds of Nordox 30/30 WG per acre per year.		
WALNUTS	Walnut blight	7-13.33
	Apply at early pre-bloom when catkins are partially expanded. Repeat applications as needed. Minimum retreatment interval is 7 days.	
NOTE: Do not apply more than 106.67 pounds of Nordox 30/30 WG per acre per year.		

