

COPPER HYDROXIDE	GROUP	M1	FUNGICIDE
MANCOZEB	GROUP	M3	BACTERICIDE

ManKocide®

FUNGICIDE/BACTERICIDE

FIFRA Section 24(c) SPECIAL LOCAL NEED LABEL

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF OREGON

ManKocide®

EPA Reg. No. 91411-7-70051

EPA SLN No. OR-170003

FOR USE ON CARROTS GROWN FOR SEED TO PREVENT BACTERIAL BLIGHT

This label is valid until December 31, 2027, or until otherwise amended, withdrawn, canceled, or suspended.

ACTIVE INGREDIENTS

Mancozeb, a coordination product of zinc ion and manganese ethylenedisithiocarbamate15.0%

In which the ingredients are

Manganese 3.0%

Zinc 0.4%

Ethylenedisithiocarbamate ion (C₄H₆N₂S₄) 11.6%

Copper Hydroxide (CAS No. 20427-59-2)

(Metallic Copper Equivalent 30%)46.1%

INERT INGREDIENTS38.9%

TOTAL100%

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.)

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. Unlike most organic pesticides, copper is an element and will not break down in the environment and will therefore accumulate in sediment with repeated applications. Copper is a micronutrient, but its pesticidal application rate exceeds the amount of copper needed as a nutrient.

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 waters adjacent to treated areas. 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 wash-waters or rinsate.

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.

This Special Local Need (SLN) label and the main EPA-registered label for this product must be in the possession of the user at the time of pesticide application.

Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on this SLN label and the main EPA-registered label.

Instructions for Prevention of Bacterial blight (*Xanthomonas campestris*)

Timing and Frequency of Application: Apply prior to conditions conducive to infection, such as, precipitation, overhead irrigation, and frost and winds strong enough to create plant wounding via blown sand and dirt. Repeat applications on a 7–14-day interval depending on plant growth and disease pressure. Early treatment in the seedling-to-4 leaf stage may protect against early spread and establishment. Apply ManKocide® prior to establishment of infections.

ManKocide® will not eradicate infections which are already established but will provide partial protection from the establishment of new infections. Thus, its use even after disease is established may prevent or delay further disease development.

Application Rate and Directions: Apply 2.5 lbs. product per acre (0.375 lb. mancozeb per acre and 0.75 lb. metallic copper per acre) as a dilute or concentrated spray using ground or aerial application equipment. For optimal disease control, arrange nozzles and adjust gallonage to ensure excellent coverage of both sides of leaves and stems. Dilution rate should be adequate to provide thorough coverage of all leaf and stem tissue. Use at least 100 gallons per acre for traditional airblast sprayers, 25-50 gallons per acre for low volume airblast sprayers, and 3-10 gallons per acre for aerial application. Rates of product per acre must be the same for dilute and concentrated sprays. Add ManKocide® slowly to water in the spray tank with agitation, or premix thoroughly in separate holding tank for concentrate aircraft sprayers. Maintain continuous agitation to keep the product in suspension. If needed, adjuvants of the spreader, sticker, or compatibility agent type that are approved for use on growing crops may be used.

PRECAUTIONS

- If ManKocide® is applied in a spray solution having a pH of less than 6.5, phytotoxicity may occur.
- This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.
- Environmental conditions such as extended periods of wet weather, acid rain, etc. which alter the pH of the leaf surface may affect the performance of ManKocide® fungicide/bactericide resulting in possible phytotoxicity or loss of effectiveness.
- Pesticides may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effect on pests or crop injury may occur. Unless specified by a state/local expert, or the user has small scale direct experience, do not tank mix. Follow more restrictive labeling of any tank mix partners. Do not tank mix with any product that contains a prohibition on tank mixing.

- It must be determined in the selection process if proper application equipment is available and if the waste associated with its use can be properly handled. Materials used in the construction of application equipment is also an important factor as pesticides are often reactive with soft metals such as aluminum and even some synthetic materials such as plastics, rubbers, etc. Therefore it is necessary when working with equipment containing these materials that they are thoroughly flushed with clean water after each days use.

RESTRICTIONS

- Do not apply more than 16.5 lbs. ManKocide® per acre per crop year (2.475 lbs. mancozeb per acre per crop year, 4.95 lbs. metallic copper per acre per crop year).
- For aerial applications, pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides [40 CFR 170.305].
- **Do not** apply this product via chemigation.
- **Do not** mix this product with products containing diazinon, fosetyl-al or other aluminum-containing products or thiophanate-methyl because of physical incompatibility.

Special Crop Use Restrictions

The pesticide applicator, the producer of the crop, and the seed conditioner must be aware that use of this product according to this labeling is deemed a nonfeed/non-food use by the Oregon Department of Agriculture, and is regulated by Oregon Administrative Rule (OAR) 603-057-0535, Pesticide Use On Crops Grown For Seed. If the applicator of this pesticide is not the producer, the applicator must provide a copy of this labeling to the producer of the crop. Producers of this crop who use this product, or cause the product to be used on a field they operate, must provide a copy of this pesticide label to the seed conditioner.

This pesticide does not have an established pesticide residue tolerance for this crop. Consequently, no portion of this seed crop may be used or distributed for food or feed for 1 year (365 days) after the last application of this product. This restriction pertains to, but is not limited to: green chop, forage, hay, pellets, meal, whole seed, cracked seed, straw, roots, bulbs, foliage or seed screenings, and to the grazing of the crop field, stubble or regrowth. All seed screenings shall be disposed of in such a manner that the screenings cannot be distributed or used for food or feed purposes, as indicated in OAR 603-057-0535. Additional regulations concerning seed screenings are stated in OAR 603-057-0535.

Any seed from a field treated with this pesticide product shall bear specific and conspicuous container labeling, or if shipped in bulk, on the shipment invoice or bill of lading. The labeling shall contain the following statement:

“This seed was produced using one or more products for which the United States Environmental Protection Agency has not established pesticide residue tolerances. This seed, in whole, as sprouts, or in any form, may not be used for human consumption or animal feed. Failure to comply with this condition may violate requirements of the Federal Food and Drug Administration, the Oregon Department of Agriculture and other regulatory agencies.”

ManKocide® is a registered trademark of Kocide® LLC

Read the Limitation of Warranty and Liability on the product label before buying or using this product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the product label.

Section 24(c) Registrant:
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