



# MonCoat<sup>®</sup> MZ Fungicide

## POTATO SEED-PIECE TREATMENT FOR CONTROL OF SEEDLING DISEASES

ACTIVE INGREDIENTS:	PERCENT BY WEIGHT
N-[3-(1-methylethoxy) phenyl]-2-(trifluoromethyl) benzamide .....	1.5%
Mancozeb, a coordination product of zinc ion and manganese ethylene .....	6.0%
Bisdithiocarbamate, in which the ingredients are	
Manganese++ .....	1.20%
Zinc++ .....	0.15%
Ethylene bisdithiocarbamate ion (C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>4</sub> ) .....	4.65%
OTHER INGREDIENTS: .....	92.5%
<b>TOTAL</b> .....	<b>100.0%</b>

U.S. Patent No. 5007953

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

EPA REG. NO. 71711-8

EPA EST. NO. 38091-ID-1

NET CONTENTS 40 LBS. (18.14 KG)

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### FIRST AID

<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor for treatment advice. IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, INFORMATION MAY BE OBTAINED BY CALLING 1-800-441-3637.	

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

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

#### Personal Protective Equipment

Some materials that are chemically resistant to this product are listed below. If you want more options for materials for gloves, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

**Applicators and other handlers must wear:** Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made out of any waterproof material, and shoes plus socks.

**Mixers and loaders must wear:** Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made out of any waterproof material, shoes plus socks, protective eyewear, and chemical resistant apron.

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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not contaminate water used for watering livestock or domestic purposes. Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use this product at higher than the recommended rate. 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 in your State 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) 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 24 hours.

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 over long-sleeved shirt and long pants, chemical-resistant gloves made out of any waterproof material, shoes plus socks, and protective eyewear.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a cool, dry location.

**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.

### GENERAL INFORMATION

MonCoat MZ is a coformulation containing two fungicides effective for the suppression of Black scurf and *Rhizoctonia* stem canker (*Rhizoctonia solani*), Fusarium dry rot (*Fusarium sambucinum*, *F. coeruleum*), and Silver scurf (*Helminthosporium solani*) on potato seed pieces. MonCoat MZ will help reduce the spread of *Phytophthora infestans* (late blight) that may occur from surface infestation resulting from seed-piece to seed-piece contact during the handling, cutting, and planting process. [MonCoat MZ is not effective against systemic seed-piece infections or airborne (secondary) inoculum of *P. infestans*.] MonCoat MZ contains 1.5% flutolanil and 6.0% mancozeb in a tree bark based formulation. This pesticide will not control bacterial diseases or other diseases not claimed on this label for varieties known to be susceptible to bacterial soft rot. Companion

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fungicides known to be effective against this organism should be used. Consult your extension potato pathologist for variety and treatment information.

MonCoat MZ is to be used as an integral part of a potato disease management strategy. This strategy includes the use of high quality certified seed and the incorporation of cultural practices such as: crop rotation, optimal harvest time to minimize disease development, and proper handling of tubers to minimize bruising and improve storage quality. Sound strategy should also include sanitation of equipment and storage areas to reduce disease inoculum, and control of storage area temperature, humidity and ventilation. Consult your local agricultural extension agent for more information on disease management practice.

### APPLICATION

For the suppression of seed borne Fusarium dry rot, Black scurf, Silver scurf, and Rhizoctonia stem canker, use MonCoat MZ at the rate of 0.75 to 1 lb. of product per 100 lb. of cut seed. Apply MonCoat MZ to the seed pieces immediately after cutting, using dispensing equipment that will give thorough coverage of the dust to the cut seed surfaces. Thoroughly clean and sanitize cutting equipment including knives, belts, rollers, tables, trucks and planting equipment before planting seed.

Do not use treated seed pieces for food, feed, or fodder. Apply only in areas with adequate ventilation or dust collection and control equipment installed.

### USE PRECAUTIONS

Following total seasonal applications of 0.25 lb. ai/acre or less to planted potato seed pieces, do not plant rotational crops other than labeled crops for 12 months with the following exceptions:

- Leafy vegetables (such as lettuce, spinach or celery) or small grain crops (such as wheat, barley, oats, rye), may be planted 150 days or more following the last application of MonCoat MZ.
- Corn, sorghum, soybeans, or cotton may be planted 240 days or more following the last application of MonCoat MZ.

**ATTENTION:** This product contains mancozeb and ETU, chemicals known to the state of California to cause cancer. ETU is also known to the state of California to cause birth defects or other reproductive harm.

### IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be accurate and should be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of Nichino America, Inc. (NAI), it is impossible for NAI to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks are assumed by the user or buyer.

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