

GROUP M3 12 FUNGICIDES

MAXIM[®] MZ PSP
Potato Seed Protectant

FUNGICIDE

POWDER

COMMERCIAL

A dry powder for the treatment of potato seed pieces for the control of Black Scurf (*Rhizoctonia solani*), Silver Scurf (*Helminthosporium solani*), and Fusarium Dry Rot (*Fusarium* spp.).

ACTIVE INGREDIENT:

Fludioxonil.....0.5%
Mancozeb5.7%

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**CAUTION EYE IRRITANT
POTENTIAL SKIN SENSITIZER**

REGISTRATION. NO.: **27965**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **10 kg, 20 kg, 22.7 kg**

For on-farm use only.

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682

BAG

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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 eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically if ingested or in contact with eyes or skin.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. For on-farm use only. Hazard to Humans and Domestic Animals. May be harmful if swallowed. May irritate eyes. Avoid contact with eyes. Potential skin sensitizer. Avoid contact with clothing. Avoid inhalation of dust. Wash hands and face after handling. Avoid contamination of feed and foodstuffs. Store in a dry place. Never re-use. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT

When handling MAXIM[®] MZ PSP Fungicide and during treatment and handling of treated seed pieces, wear cotton or polyester coveralls over long sleeved shirt and long pants, chemical resistant gloves, goggles, and a dust mask. During planting of treated seed pieces, wear long sleeved shirt, long pants and chemical resistant gloves.

6.0 ENVIRONMENTAL HAZARDS

This product is TOXIC to fish and aquatic organisms. 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 by cleaning of equipment or disposal of equipment wash waters.

Treated seed is TOXIC to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil or other surfaces.

7.0 STORAGE

To prevent contamination, store this product away from food or feed.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

For Bags

1. Empty bag thoroughly.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)**

9.0 PRODUCT INFORMATION

MAXIM MZ PSP Fungicide is a potato seed piece treatment fungicide designed to control certain seed-borne fungal diseases of potatoes. MAXIM MZ PSP Fungicide is active against Black Scurf including Stem and Stolon Canker (*Rhizoctonia solani*), Silver Scurf (*Helminthosporium solani*), and Fusarium Dry Rot (*Fusarium* spp.). MAXIM MZ PSP Fungicide does not control bacterial diseases present within the seed.

MAXIM MZ PSP Fungicide 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 techniques such as: crop rotation, optimal harvest time for tubers to minimize disease development, and proper handling of tubers without bruising, etc. The practices should also include management and sanitation of equipment and storage areas to reduce disease inoculum. In addition, storage management practices that maintain appropriate temperature, ventilation, and relative humidity to avoid free moisture or condensation must be carried out as well as application of the seed piece treatment to clean seed pieces with a properly calibrated application system.

NOTE: Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, may result in reduced germination and/or reduction of seed and seedling vigour. Due to seed quality and seed storage conditions beyond the control of Syngenta Canada Inc., no claims are made to guarantee the germination of potato seed pieces.

10.0 DIRECTIONS FOR USE

10.1 General Information

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

11.0 CROP USE DIRECTIONS

Use MAXIM MZ PSP Fungicide at the rate of 500 g of product per 100 kg of seed pieces. Apply using equipment that ensures uniform and thorough coverage of each seed piece. Periodically clean and sanitize all surfaces of cutting (e.g., cutting machines, knives, tables, etc.), as well as planting equipment and planters thoroughly before cutting and planting seed pieces. Cut pieces should be treated immediately after cutting. After cutting, treated seed pieces should be planted in soil above 7°C with adequate soil moisture required for planting. If cut seed needs to be stored or held for a few days, make sure that there is adequate cool air (15.5°C) movement through the pile of cut seed potatoes at relative humidity of 85-90%. Cut and treated seed should not be piled above 1.8 m in height. When transporting cut and MAXIM MZ PSP Fungicide -treated seed, make sure the seed is covered.

Do not use treated seed pieces for food or feed purposes.

Apply only in areas with adequate ventilation and/or dust collection and control equipment.

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MAXIM MZ PSP Fungicide contains a Group 12 and Group M3 fungicide. Any fungal population may contain individuals naturally resistant to MAXIM MZ PSP Fungicide and other Group 12 and Group M3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for

individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

Where possible, rotate the use of MAXIM MZ PSP Fungicide or other Group 12 and Group M3 fungicides with different groups that control the same pathogens. Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

Monitor treated fungal populations for resistance development.

If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

For further information and to report suspected resistance, contact Syngenta Canada Inc. at 1-877-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

MAXIM[®] is a trademark of a Syngenta Group Company.