

MAXIM® QUATTRO Seed Treatment

SUSPENSION

COMMERCIAL - AGRICULTURAL

FUNGICIDE

FOR TREATMENT OF CORN SEED BY COMMERCIAL SEED TREATERS ONLY.

A seed treatment for the control of listed fungal diseases on corn.

ACTIVE INGREDIENTS:

| | |
|--------------------------------|-------|
| Fludioxonil..... | 3.32% |
| Metalaxyl-M and S-isomer | 2.65% |
| Azoxystrobin | 1.33% |
| Thiabendazole | 26.5% |

Contains 1,2-benzisothiazolin-3-one at 0.019 % OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0006% and 2-methyl-4-isothiazolin-3-one at 0.00019% as preservatives.

READ THE LABEL AND PAMPHLET BEFORE USING

POTENTIAL SKIN SENSITIZER

Warning, contains the allergen sulphites

REGISTRATION NUMBER: **29871**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **5 L to Bulk**

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

For use with commercial seed treaters (facilities and mobile treaters).

All seed treated with this product must be conspicuously coloured at the time of treatment.

Label

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

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

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 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 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.

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.

3.0 TOXICOLOGICAL INFORMATION

NOTE TO PHYSICIAN: Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS. For use with commercial seed treaters (facilities and mobile treaters). Potential skin sensitizer. Wash hands and face after handling and before eating or smoking. Avoid contamination of feed and foodstuffs.

Do not apply in a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.

Treat seed in a well ventilated area. Avoid inhalation of vapors, spray mist or treated seed dust. Treated seed must not be used for food, feed or oil processing. Do not use in hopper-box, planter-box, slurry-box or other non-commercial seed treatment applications at, or immediately before, planting.

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 (PPE)

Commercial seed treatment

When treating seed, or cleaning, maintaining or repairing seed treatment equipment, wear chemical-resistant coveralls over a long sleeved shirt, long pants and chemical resistant gloves. When bagging, sewing or stacking bags of treated seed or moving bags with a forklift, wear coveralls over a long sleeved shirt, long pants and gloves. For good hygiene practice, it is recommended to wear a suitable dust mask during all job activities.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

6.0 ENVIRONMENTAL PRECAUTIONS

This product is TOXIC to aquatic organisms. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans and other waters.

Treated seed is TOXIC to birds and other wildlife. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil or other surfaces. Ensure that treated seed is properly incorporated at planting.

The use of this product may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) or the water table is shallow.

7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food, feed, and out of the reach of children and animals.
3. Do not graze corn or cut for forage for 30 days after planting MAXIM® QUATTRO.
4. All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **"This seed has been treated with fludioxonil, metalaxyl-M and S-isomer, azoxystrobin and thiabendazole fungicides. Wear a long-sleeved shirt, long pants and chemical resistant gloves when handling treated seeds. Keep out of reach of children and domestic animals. Do not use for food, feed or oil purposes. Store away from food and feed. Do not graze corn or cut for forage within 30 days of planting. Treated seed is TOXIC to birds. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface."**

8.0 STORAGE

Ideal storage temperature is above freezing and below 30°C. Repeated freeze-thawing of MAXIM® QUATTRO Seed Treatment will not affect the physical integrity of the product. If the product should freeze, bring the product back to room temperature and ensure the contents are mixed well prior to application. To prevent contamination, store this product away from food or feed.

9.0 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 Returnable Containers

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For Refillable Containers

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1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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

MAXIM® is a registered trademark of a Syngenta Group Company.

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PAMPHLET

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CALL 1-800-327-8633 (FASTMED)**

10.0 PRODUCT INFORMATION

MAXIM QUATTRO Seed Treatment is a seed treatment product containing the fungicides thiabendazole, fludioxonil, metalaxyl-M and S-isomer and azoxystrobin. This product controls seed- and soil-borne diseases of field corn (including seed corn), sweet corn and popcorn. MAXIM QUATTRO Seed Treatment is active against *Pythium*, *Rhizoctonia*, *Fusarium* (including seedling disease due to *F. graminearum* and *F. verticillioides*), and against weakly pathogenic fungi such as *Aspergillus* and *Penicillium*.

Note: Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigour. Treat using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of the seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Syngenta Canada Inc., no claims are made to guarantee the germination of carry-over field corn, sweet corn and popcorn seed.

11.0 DIRECTIONS FOR USE

11.1 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.

MAXIM QUATTRO Seed Treatment is a seed treatment formulation for use in commercial seed treatment (in facilities or with mobile treaters) using seed treatment equipment that accurately meters, mixes and applies a flowable seed treatment. The equipment must provide uniform coverage of MAXIM QUATTRO Seed Treatment on the seed. Uneven seed coverage may not give the desired level of disease/pest control.

Thoroughly mix the recommended amount of MAXIM QUATTRO Seed Treatment with the required amount of water for the slurry treater and dilution rate to be used. Slurry volumes will vary depending on seed size. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow the seed to dry before bagging, storing or seeding.

Depending on planting equipment, seed treated with MAXIM QUATTRO Seed Treatment, or a combination of MAXIM QUATTRO Seed Treatment and other seed treatment products may not flow through planting equipment at the same rate as untreated seed. Recalibrate the equipment before planting treated seed.

This product contains no colourant. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour. An appropriate colourant must be added when this product is applied. Regulations pertaining to the “Seeds Act” must be strictly adhered to when using this product.

12.0 CROP USE DIRECTIONS

12.1 Corn – Field, Pop, Sweet (includes seed production)

Apply 67 mL of MAXIM QUATTRO Seed Treatment per 100 kg of seed to the crops listed below. At this rate, MAXIM QUATTRO Seed Treatment delivers 20 g of thiabendazole, 2.5 g of fludioxonil, 2 g of metalaxyl-M and S-isomer, and 1 g of azoxystrobin per 100 kg of seed.

| CROP | Corn: Field, Pop, Sweet (includes seed production) |
|---------------------|---|
| DISEASES CONTROLLED | Control of seed and soil-borne <i>Pythium</i> , <i>Rhizoctonia</i> , <i>Fusarium</i> (including <i>F. graminearum</i> and <i>F. verticillioides</i>), and weakly pathogenic fungi such as <i>Aspergillus</i> and <i>Penicillium</i> causing seed rot/ pre-emergence damping-off, post-emergence damping-off, and seedling blight |
| RATE | 67 mL/100 kg seed (25.5 g ai/100 kg seed). This rate is equivalent to 0.168 µL/seed (0.064 mg ai/seed consisting of 0.05 mg of thiabendazole, 0.0064 mg of fludioxonil, 0.005 mg of metalaxyl-M and 0.0025 mg of azoxystrobin per seed) based on a seed weight of 4000 seeds/kg. |
| RESTRICTIONS | Treated sweet corn should be planted and not carried over to the following year. This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed. |

12.2 Tank Mixes

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance

(phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MAXIM QUATTRO Seed Treatment contains Groups 1, 4, 11 and 12 fungicides. Any fungal population may contain individuals naturally resistant to MAXIM QUATTRO Seed Treatment and other Group 1, 4, 11 or 12 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 QUATTRO Seed Treatment or other Group 1, 4, 11 or 12 fungicides with different groups that control the same pathogens.

Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.

Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications.

Monitor treated fungal populations for resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to Maxim Quattro Seed Treatment is suspected.

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 representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca

