

14-APR-2005

GROUP	1, M ² , U	FUNGICIDES
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EVOLVE™
Potato Seed-Piece Treatment Fungicide

Seed treatment for use on potatoes to control Late Blight

EMERGENCY REGISTRATION
FOR SALE FOR USE ON POTATOES IN ONTARIO AND NEW BRUNSWICK ONLY.
THE REGISTRATION EXPIRES JULY 1, 2005

AGRICULTURAL

GUARANTEE: Thiophanate-methyl 2.5%
Mancozeb6.0%
Cymoxanil.....1.0%

REGISTRATION NUMBER 28066 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN



CAUTION

POISON

NET CONTENTS 18.2 Kg

Gustafson LLC
1400 Preston Road, Suite 400
Plano, Texas 75093
USA
Tel: (972) 985-8877

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller’s guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

DIRECTIONS FOR USE

DO NOT allow any individual to work at the hopper and/or treatment barrel for more than 4 hours per day.

Read these entire DIRECTIONS FOR USE before using Evolve Potato Seed-Piece Treatment Fungicide.

APPLICATION INSTRUCTIONS			
CROP	PEST	DOSAGE EVOLVE	REMARKS
Potato	Late Blight (<i>Phytophthora infestans</i>)	SEED PIECE TREATMENT 0.75 -1.0 kg per 100 kg seed pieces	<p>Will prevent the spread of <i>Phytophthora infestans</i> (late blight) that may occur from seedborne infection or surface infestation resulting from seed-piece to seed-piece contact during the handling, cutting and planting process. EVOLVE will also help to reduce the transmission of the late blight fungus from the tuber to the above-ground plant. EVOLVE is not effective in protecting potato plants against airborne inoculum in potato fields. EVOLVE should not be used as a rescue treatment on seed lots with visual or known infections of <i>P. infestans</i>.</p> <p>Apply at 0.75 – 1.0 kg per 100 kg of cut seed-pieces. Apply using a seed dust metering applicator so that cut seed-pieces are thoroughly covered with the mixture. Thoroughly clean and sanitize cutting machines, knives, trays, tables, barrels, equipment, trucks and planters before cutting and planting seed-pieces. Plant seed-pieces as soon as possible after cutting and treating in accordance with the recommendations of your local extension potato specialist.</p> <p>For optimal disease control, good coverage of the seed piece is required.</p> <p>Plant seed-pieces as soon as possible after cutting and treating.</p>

RESTRICTIONS:

Do not use treated seed-pieces for food, feed, or fodder.

Do not apply this product through any type of irrigation system. Apply only in areas with adequate ventilation or dust collection and control equipment installed. Do not substitute fans for ventilation in areas where application is made to cut potatoes.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over long sleeved shirt and long pants, chemical resistant gloves, shoes plus socks, goggles or faceshield and a NIOSH/MSHA/BHSE approved dust/mist filtering respirator when: 1) handling the product; 2) handling treated seed; 3) dusting at the hopper and treatment barrel; 4) loading the planter.

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.

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 personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Apply only in areas with adequate ventilation or in areas that are equipped to remove dust. 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. **HANDLERS OF TREATED SEED MUST WEAR THE PERSONAL PROTECTIVE EQUIPMENT LISTED ABOVE.**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Gustafson LLC, no claims are made to guarantee germination of carry-over seed.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that EVOLVE Potato Seed-Piece Treatment Fungicide contains Group 1, M², and U fungicides. Any fungal population may contain individuals naturally resistant to EVOLVE and other Group 1, M², and U fungicides. The resistant individuals may dominate the fungal population if these groups of 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 EVOLVE or other Group 1, M², and U fungicides with different groups that control the same pests in a field.
- Fungicide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Gustafson LLC at (972) 985-8877.

ENVIRONMENTAL HAZARDS:

TOXIC to 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 when disposing of equipment washwaters. Apply this product only in accordance with this label. Dispose of all excess and any spilled treated seed pieces by covering or incorporating into the soil. Left over treated seed should be doublesown around the headland, or buried away from water sources such as lakes, streams, ponds or other aquatic systems.

FIRST AID:

IF SWALLOWED: Contact a Poison Control Centre or a physician IMMEDIATELY.

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 do so by a poison control center 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 mouth-to-mouth if possible.

Call a poison control center or doctor for further 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 center or doctor for treatment advice.

IF IN EYES: Hold eyelids open and flush with plenty of water for 15 minutes. Get medical attention IMMEDIATELY if irritation occurs.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat the patient symptomatically.

STORAGE AND DISPOSAL:

PESTICIDE STORAGE: Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

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

Do not reuse this container for any purpose.

1. Follow provincial instruction for any required cleaning of the container prior to disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the empty container in accordance with provincial requirements.
4. 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.

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