

GROUP	<b>7 M</b>	FUNGICIDE
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# VITAVAX<sup>®</sup>

## POWDER

### Systemic Seed Protectant

Contains carbathiin and thiram for the control of diseases in brome grass, wheat, oats, rye, barley, flax and soybeans.

AGRICULTURAL

#### GUARANTEE:

Carbathiin .....	26.7%
Thiram .....	38.8%

Registration No. 27595, Pest Control Products Act

**KEEP OUT OF REACH OF CHILDREN**

Read the Label before Using

Made in Canada

Net Contents: 1.5 kg

Manufactured for:  
Macdermid Agricultural Solutions Canada Company  
120 Huron Street  
P.O. BOX 1120  
Guelph, ON N1E 5L7

**24-HOUR EMERGENCY PHONE: 1-866-744-3060**  
**GROWER INFORMATION: 1-800-350-1745**

BROMEGRASS - controls head smut.  
 BARLEY - controls false loose, covered and true loose smut.  
 WHEAT - controls loose smut, stinking smut or bunt.  
 OATS - controls loose and covered smut.  
 RYE - controls damping-off, seed decay and stem smut.  
 FLAX - controls damping-off and seed decay.  
 SOYBEANS - controls damping-off and seed decay.

VITAVAX® Powder Systemic Seed Protectant will generally increase stands of flax by reducing damping-off and seed decay. Thorough seed coverage is required.

**DIRECTIONS FOR USE:**

TREATMENT RATE FOR VITAVAX Powder

Crop	Rate in grams per 25 kg seed	kg of seed treated by container
Bromegrass	115	326
Wheat	40	935
Wheat (true loose smut)	55	680
Barley	50	750
Oats	70	535
Rye	45	830
Flax	60	625
Soybeans	65	575

**RESISTANCE MANAGEMENT**

For resistance management, please note that VITAVAX® Powder Systemic Seed Protectant contains a Group 7 and M fungicide. Any fungal population may contain individuals naturally resistant to VITAVAX® Powder Systemic Seed Protectant and other Group 7 or M 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 VITAVAX® Powder Systemic Seed Protectant or other Group 7 and M fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group when such use is permitted.
- 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 T 888-350-1745 or at ([www.chemtura.com](http://www.chemtura.com)).

**METHOD OF APPLICATION:**

When starting with an empty drill or planter-box, separately treat enough seed to cover the bottom of the box. Use the recommended dosage rate and treat the seeds in an empty carton or drum which can later be destroyed.

Place this treated seed into the bottom of the empty drill or planter-box. This will ensure that the first seed planted is adequately treated. This treatment of seed in a separate container is not necessary when upon refilling, enough treated seed remains to cover the bottom of the drill or planter-box. Fill the drill or planter-box to one-half capacity and sprinkle evenly over the seed surface the amount of VITAVAX® Powder Systemic Seed Protectant required to treat that amount of seed. Mix thoroughly with a stick or paddle until the seed is uniformly covered. A uniform coverage is achieved when every seed has a uniform pink colour throughout the drill or planter-box. Then add enough seed to fill the drill or planter-box and sprinkle over the seed surface the amount of VITAVAX® Powder Systemic Seed Protectant required to treat the amount of seed added and mix

thoroughly as before. For large drill or planter-boxes, it may be necessary to divide the seed into four or more portions when treating. Seeding rate should be checked before planting and periodically during planting. Clean planter plates periodically to prevent excessive buildup of treatment chemicals.

Always use a paddle or stick for mixing VITAVAX® Powder Systemic Seed Protectant with the seed. **DO NOT MIX WITH BARE HANDS.**

#### **USE RESTRICTIONS:**

1. DO NOT use treated seed for feed, food or oil processing.
2. Do not contaminate food, feed domestic or irrigation water supplies, lakes, streams and ponds.
3. All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows:  
"This seed has been treated with carbathiin and thiram. Wear a long-sleeved shirt, long pants, and chemical-resistant gloves when handling treated seeds. DO NOT use treated seed for food, feed or oil processing. Store away from food and feed. Baggers, sowers and workers involved in handling treated seeds must wear a long-sleeved shirt and long pants, chemical-resistant gloves, shoes and socks, to minimize exposure to dust from treated seeds."
3. Do not graze or feed livestock on treated areas for four weeks after planting.
4. Do not store seed treated with VITAVAX® Powder Systemic Seed Protectant. Leftover treated seed should be double sown around the headland, or buried away from water sources.

#### **PRECAUTIONS:**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. All workers involved in treating seeds, clean-up, repair and maintenance of seed treatment equipment must wear a long-sleeved shirt and long pants, chemical-resistant gloves, shoes and socks. Baggers, sowers and workers involved in handling treated seeds must wear a long-sleeved shirt and long pants, chemical-resistant gloves, shoes and socks to minimize exposure to dust from treated seeds.
3. Do not get into eyes. In case of contact with eyes, flush immediately with running water.
4. Avoid contact with skin, In case of contact, wash with warm water and soap.

#### **RESIDUE LEVEL:**

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

**SYMPTOMS OF POISONING:** Skin contact may cause irritation and dermatitis.

**TOXICOLOGICAL INFORMATION:** There is no specific antidote. Treat symptomatically.

#### **FIRST AID:**

**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 any liquid to the person. Do not give anything by mouth to an unconscious person.

**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.

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

#### **ENVIRONMENTAL HAZARDS**

In cleaning of equipment or disposing of wastes, do not contaminate water used for human or animal consumption or by wildlife and aquatic life or for irrigation purposes.

Treated seed may be hazardous to birds and mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

**STORAGE AND DISPOSAL:****STORAGE:**

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed.

**DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

**NOTICE TO USER:**

This 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. The user assumes the risk to persons or property that arises from any such use of the product.

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