

GROUP

3

FUNGICIDE

**ARMOUR®
SEED TREATMENT FUNGICIDE
SUSPENSION**

CONTAINS TRITICONAZOLE

**A LIQUID FLOWABLE FOR CONTROL OF VARIOUS SEED AND
SOIL BORNE DISEASES IN WHEAT, BARLEY AND OATS**

AGRICULTURAL

GUARANTEE: TRITICONAZOLE 25 g/L

Contains 1,2 benzisothiazolin-3-one at 0.03% as a preservative



CAUTION

POISON

READ THE LABEL AND BOOKLET BEFORE USING

Do not exceed a maximum 20,000 kg seed treated per person per day.
If **ARMOUR** and **GEMINI SEED TREATMENT** are to be used on the same day,
the sum of seed treated using **ARMOUR** and **GEMINI SEED TREATMENT**
must not exceed 20,000 kg in total.

REGISTRATION NO. 29296

PEST CONTROL PRODUCTS ACT

Manufactured By:
BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, ON L5R 4H1
1-877-371-2273

Distributed By:
Viterro Inc.
2625 Victoria Avenue
Regina, SK S4T 7T9
1-866-569-4411

ARMOUR® is a registered trademark of Viterro Inc.

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

NET CONTENTS: 3.1, 6.2, 10, 66.7, 100, 133.4 and 200 L

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES. Harmful if inhaled. Avoid inhaling or breathing dust. Wear chemical resistant gloves and chemical resistant coveralls made of laminated, non-woven or composite fabric when handling **ARMOUR** or treated seed. When handling **ARMOUR** and when treating seed or while augering or handling treated seed, work in a well ventilated area. Wear a NIOSH approved dust filtering respirator during cleanup activities, when handling **ARMOUR** or if working area is not well ventilated. Wash hands and exposed skin thoroughly after handling the concentrate and after application.

NOTE: "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., visit CropLife Canada's web site at www.croplife.ca.

ENVIRONMENTAL PRECAUTIONS

Ensure proper soil incorporation of the seeds. **DO NOT** feed treated seed to, or otherwise expose, wildlife or domestic birds. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion. Ensure proper disposal of any surplus treated seed not intended for later planting. **DO NOT** contaminate domestic or irrigation water supplies, lakes, streams, ponds or any body of water with the chemical, used containers, treated seed or bags, which have held treated seed. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes. Unused or leftover treated seed should not be stored where there is a chance of it becoming mixed with untreated seed.

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 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.

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

TOXICOLOGICAL INFORMATION

No specific antidote. Treat symptomatically.

STORAGE CONDITIONS

Store in original container with the lid tightly closed, in a secure, well-ventilated area. Store in an area that is out of reach of children and animals, away from food, feed stuffs, fertilizers and seed. Protect from frost and freezing.

DISPOSAL

For Non-Returnable Containers

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions 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 the 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-Refillable Containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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

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TOXICOLOGICAL INFORMATION

No specific antidote. Treat symptomatically.

STORAGE CONDITIONS

Store in original container with the lid tightly closed, in a secure, well-ventilated area. Store in an area that is out of reach of children and animals, away from food, feed stuffs, fertilizers and seed. Protect from frost and freezing.

DISPOSAL

FOR RECYCLABLE CONTAINERS

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

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 any further use.

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

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 NON-RETURNABLE CONTAINERS

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions 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 the 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-REFILLABLE CONTAINERS

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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

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GENERAL INFORMATION

ARMOUR is a water-based seed treatment concentrate formulation containing triticonazole, a Group 3 fungicide. **ARMOUR** controls or suppresses certain seed- and soil-borne diseases in wheat, barley and oats.

DIRECTIONS FOR USE

ARMOUR is a concentrate seed treatment formulation for use in commercial seed treatment plants and for use in on-farm standard gravity flow or mist type treatment machines. **ARMOUR** can also be used in “On the Go” air seeder treatments systems.

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

MIXING INSTRUCTIONS

ARMOUR concentrate must be diluted with water to provide adequate application volume to ensure good coverage of the seed. Uneven seed coverage may result in poor levels of disease control. Mix 2 parts **ARMOUR** with 1 part water for wheat, barley and oats.

Agitate or shake well prior to usage. Commercial sized containers should be agitated frequently after dilution with water.

For specific application instructions through various seed treatment application machines, please consult the seed treatment application equipment manufacturer in question for further directions on water dilutions and calibration of equipment.

RATE: 200 mL concentrate/100 kg of seed (300 mL diluted product/100 kg seed)

DISEASES CONTROLLED

ARMOUR will provide effective control of true loose smut, false loose smut and covered smut in barley, loose smut and common bunt in wheat and loose and covered smut in oats. **ARMOUR** will generally increase emergence and plant stands by controlling seedling blights caused by seed-borne root rot pathogen such as *Fusarium sp.* **ARMOUR** will also suppress early season infections caused by *Fusarium Crown* and Root Rot and by *Cochliobolus* (Common) Root Rot and suppress seedling blights caused by *Cochliobolus sativus*.

Crop	Concentrate Use Rate/ 100 kg Seed	Diseases Controlled	Diseases Suppressed ¹
WHEAT	200 mL	Seed Rot caused by <i>Fusarium sp.</i> Seedling blight caused by seed-borne <i>Fusarium sp.</i> Loose Smut Common Bunt	Fusarium Crown and Root Rot <i>Cochliobolus</i> (Common) Root Rot Seedling Blight caused by <i>Cochliobolus sativus</i>
BARLEY	200 mL	Seed Rot caused by <i>Fusarium sp.</i> Seedling blight caused by seed-borne <i>Fusarium sp.</i> True Loose Smut Covered Smut False Loose Smut	Fusarium Crown and Root Rot <i>Cochliobolus</i> (Common) Root Rot Seedling Blight caused by <i>Cochliobolus sativus</i>
OATS	200 mL	Loose Smut Covered Smut Seed Rot caused by <i>Fusarium sp.</i> Seedling blight caused by seed-borne <i>Fusarium sp.</i>	Fusarium Crown and Root Rot <i>Cochliobolus</i> (Common) Root Rot Seedling Blight caused by <i>Cochliobolus sativus</i>

¹Suppression is defined as sub-optimal control which is still of commercial benefit.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **ARMOUR** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **ARMOUR**, and other Group 3 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 **ARMOUR** or other Group 3 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 mode 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 disease problems in your area.
- For further information and to report suspected resistance, contact BASF at 1-877-371-2273.

USE RESTRICTIONS

- Do not use treated seed for food, feed or oil processing.
- Do not store **ARMOUR** near feed or foodstuffs.
- Do not contaminate feed or foodstuffs.
- Any seed treated with this product must be either thoroughly stained with a conspicuous color or coated with a material that renders it conspicuous. **ARMOUR** is sold only to individuals who can comply with these requirements. Regulations pertaining to the coloration of treated seed enforced under the *Seeds Act* must be strictly adhered to when using this product.

TREATED SEED MUST BE LABELLED AS FOLLOWS

- "This seed has been treated with **ARMOUR** containing triticonazole, a Group 3 fungicide. DO NOT use for food, feed or oil processing". The date of treatment must also be included.
- DO NOT store treated seed for more than 18 months. Treated seed stored for periods in excess of 18 months may decrease in germination at a faster rate than untreated seed. Treated seed stored for more than 6 months should be tested for germination before planting.
- Thoroughly clean auger after handling treated seed before using same auger for handling commercial or feed grains.
- Leftover treated seed should not be stored where there is a chance of it becoming mixed with untreated seed.
- Store treated seed in cool, dry conditions.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.