This information is for promotional purposes only. Space considerations may require information to be omitted.
Always refer to the actual package for complete label verbiage. This product may not yet be available or approved for sale or use in your area.

| DIFENOCONAZOLE | GROUP 3 | FUNGICIDE |
|---|---|---|

# DONISKA™

SEED TREATMENT

**A Seed Treatment for Control of Diseases of Barley, Oats, Rye, Triticale, and Wheat; Cotton; Potato; Rapeseed (including canola) and Sweet Corn**

| **ACTIVE INGREDIENT:** | **(% by weight)** |
|---|---|
| Difenoconazole* | 32.8% |
| **OTHER INGREDIENTS:** | 67.2% |
| **TOTAL** | 100.0% |

*CAS No. 119446-68-3

Contains 3.1 lb. difenoconazole per gallon.

**EPA Reg. No.: 91234-467**

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

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**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.**
**(If you do not understand the label, find someone to explain it to you in detail.)**

See inside label booklet for First Aid, additional Precautionary Statements, and Directions for Use.

| **FIRST AID** | |
|---|---|
| **If in eyes:** | • Hold eye open and rinse slowly and gently with water for 15-20 minutes.<br>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.<br>• Call a poison control center or doctor for treatment advice. |
| **If inhaled:** | • Move person to fresh air.<br>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.<br>• Call a poison control center or doctor for further treatment advice. |
| **NOTE TO PHYSICIAN:** If ingested, induce emesis or lavage stomach. Treat symptomatically. | |
| **HOT LINE NUMBER** | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information. | |

**For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,**
**Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

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Manufactured for:
**Atticus, LLC**
940 NW Cary Parkway, Suite 200
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# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils
- Shoes plus socks

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. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

### ENGINEERING CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, and other aquatic invertebrates. 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 washwater or rinsate.

If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI), and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval of 12 hours.**

**Exception:** If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils
- Shoes plus socks

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### PRODUCT INFORMATION

**Doriska** is a systemic seed dressing which controls or suppresses certain seed-borne, soil-borne, and early season foliar diseases of barley, oats, rye, triticale, and wheat, and certain seed and seedling diseases of cotton, potato, rapeseed crop subgroup 20A, and sweet corn.

Use is permitted on-farm and in commercial seed treatment facilities. Do not use for at-plant applications (e.g., hopper box, planter box, etc.). This product is to be applied as a water-based slurry through standard slurry- or mist-type commercial seed treatment equipment.

Treatment of highly mechanically scarred or damaged seed or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat a quantity of seed using equipment similar to that planned for treating the total seed lot. Then, conduct germination tests with a portion of this treated seed before committing the total seed lot to a selected seed treatment.

Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Atticus, LLC, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with **Doriska**.

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## RESISTANCE MANAGEMENT

For resistance management, **Doriska** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **Doriska** 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. Appropriate resistance-management strategies should be followed.

Difenoconazole belongs to the triazole class of chemistry and is a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis of the fungal cell.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Doriska** or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which 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. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crop and pathogens.
- For further information or to report suspected resistance contact Atticus, LLC. You can also contact your pesticide distributor or university extension specialist to report resistance.

Atticus, LLC encourages responsible product stewardship to ensure effective long term control of the fungal diseases on this label.

## MIXING PROCEDURES

Apply **Doriska** as a water-based slurry through standard slurry or mist-type seed treatment equipment that accurately meters and mixes a liquid flowable seed treatment. The mix tank should be equipped with a mechanical or paddle agitator to ensure uniform blending of the slurry. The equipment must provide uniform coverage of **Doriska** on the seed. Uneven seed coverage may not give the desired level of disease control. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on the operation and calibration of the equipment.

Fill the mix tank ¼ - ½ full with clean water (see **Maximum Recommended Slurry Volume** table below). Start agitation of the mix tank. Next, open the container and add the recommended amount of **Doriska** into the mix tank, and maintain agitation. Thoroughly blend the mixture while adding the remainder of the required water.

After the mixture appears completely uniform, begin application to the seed. Mix the slurry thoroughly with the seed to provide uniform coverage.

## MAXIMUM RECOMMENDED SLURRY VOLUME

The following table lists the maximum recommended total slurry volumes by crop:

| Crop | Maximum Slurry per 100 lbs. Seed (fl. oz.) |
|---|---|
| Barley, Oats, Rye, Triticale, and Wheat | 16 |
| Canola | 23 |
| Cotton | 30 |
| Sweet Corn | 8 - 16 |
| Potato | 5 |

Use an EPA-approved dye or colorant that imparts an unnatural color to the seed as required in 40 CFR 153.155(c).

Allow seed to dry before bagging.

## TANK MIXTURES

Confirm physical compatibility, seed safety, seed safety in stored seed, and biological efficacy before tank mixing with other seed treatment products.

Follow the label directions for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibiting such mixing.

## PLANT-BACK INTERVAL

| CROP | PLANT-BACK INTERVAL |
|---|---|
| In the event of a crop failure or harvest of a crop grown from **Doriska**-treated seed for:<br>Carrot; Cereal Grains: Barley, Oats, Rye, Triticale, and Wheat; Cotton; Cucurbit Vegetables, Crop Group 9; Dried Shelled Pea and Bean (Except Soybean) Crop Subgroup 6C; Fruiting Vegetables Crop Group 8-10; Head and Stem Brassica Crop Subgroup 5A; Leafy Brassica Greens Crop Subgroup 5B; Onion, Bulb, Crop Subgroup 3-07A; Onion, Green, Crop Subgroup 3-07B; Rapeseed Crop Subgroup 20A; Soybean; Strawberry; Sugarbeet; Sweet Corn; Tuberous and Corm Vegetables Crop Subgroup 1C; Turnip, Greens | The field may be replanted immediately |
| Any other crop | 30 days from the date **Doriska**-treated seed was planted |

## SEED CONTAINER LABEL REQUIREMENTS

**THE FEDERAL SEED ACT REQUIRES THAT CONTAINERS OF TREATED SEEDS SHALL BE LABELED WITH THE FOLLOWING STATEMENTS:**

- This seed has been treated with difenoconazole fungicide.
- Do not use for feed, food, or oil purposes.

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**In addition, the following statements are required on containers of seeds treated with Doriska:**

- Do not allow children, pets, or livestock to have access to treated seed.
- Store away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seeds.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of all excess treated seed. Leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment washwater.
- Dispose of seed packaging in accordance with local requirements.
- Excess treated seed may be used for ethanol production only if (1) By-products are not used for livestock feed, and (2) No measurable residues of pesticide remain in the ethanol by-products that are used in agronomic practice.
- Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.46 lb. difenoconazole per acre (208.7 grams ai/A) per calendar year.

## SEED TREATMENT DIRECTIONS

### RESTRICTIONS

- Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.46 lb. difenoconazole per acre (208.7 grams ai/A) per calendar year.

### SMALL GRAIN CEREALS: BARLEY, OATS, RYE, TRITICALE, AND WHEAT (SPRING AND WINTER)

Use **Doriska** to treat seeds of small grain cereals according to the following table:

| DISEASES | RATE | |
|---|---|---|
| **Diseases Controlled** | **Fl. Oz./100 lbs. Seed** | **g ai/100 kg** |
| General Seed Rots[1]<br>Seedling Disease Complex:<br>Damping-off, Seedling Blight, Seed Rot, Root Rot caused by *Fusarium* spp.<br>Bunts[2]:<br>Common, Dwarf, Karnal<br>Seed-borne *Septoria* spp.<br>Septoria Blotch[3]<br>Smuts:<br>Covered, False Loose, Flag, Loose (except Loose Smut (*Ustilago nuda*) in Barley), True Loose Smut (except in Barley) | 0.5 - 1.0 | 12 – 24 |
| **Diseases Suppressed[4]** | **Fl. Oz./100 lbs. Seed** | **g ai/100 kg** |
| Common Root Rot (*Cochliobolus* spp.)<br>Crown and Foot Rot (*Fusarium* spp.)<br>Rhizoctonia Root Rot<br>Take-all | 0.5 - 1.0 | 12 – 24 |

[1]Active on pathogens that cause general seed rots. These seed rots include those caused by saprophytic organisms such as *Penicillium* and *Aspergillus* species.
[2]Provides protection against both seed- and soil-borne bunts (common, dwarf).
[3]Provides early-season foliar disease protection for up to 6 weeks after planting at the 1.0 fl. oz./100 lb. rate. For full-season protection, apply a foliar fungicide according to label directions.
[4]Suppression means consistent protection at a level which is not optimal but is still of commercial benefit.

### COTTON

| DISEASES | RATE (Fl. Oz./100 lbs. Seed) |
|---|---|
| Protection against pre-emergent and post-emergent damping-off seedling diseases caused by *Rhizoctonia* spp. and *Fusarium* spp. | 0.5 – 1.45 |
| **APPLICATION DIRECTIONS:**<br>Use the higher rate where disease pressure is expected to be severe. Apply in combination with a mefenoxam containing product (e.g., Apron XL®) for activity against seed and seedling diseases caused by *Pythium* spp. Follow application and other instructions found on the Mefenoxam product label. | |

### POTATO

| DISEASES | RATE (Fl. Oz./100 lbs. of potato seed tubers) |
|---|---|
| Protection against seed-borne *Fusarium* spp. Causing dry rot seed decay | 0.10 |
| **APPLICATION DIRECTIONS:**<br>Tank mix **Doriska** with a seed treatment fungicide containing fludioxonil (e.g., Maxim® 4FS) for resistance management against Fusarium dry rot seed decay and broad spectrum protection against seed-borne *Rhizoctonia solani* that causes black scurf and stem and stolon canker and seed-borne *Helminthosporium solani*, the causal agent of silver scurf on potato tubers. | |

### RAPESEED CROP SUBGROUP 20A

Borage, crambe, cuphea, echium, flax seed, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket, and cultivars, varieties, and/or hybrids of these

| DISEASES | RATE (Fl. Oz./100 lbs. Seed) |
|---|---|
| Protection against seed-borne blackleg caused by *Leptosphaeria maculans* | 1.0 |
| **APPLICATION DIRECTIONS:**<br>Tank mix **Doriska** with a seed treatment fungicide containing fludioxonil (e.g., Maxim® 4FS) for broad spectrum protection against other diseases such as Fusarium and Rhizoctonia. | |

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**SWEET CORN**

| DISEASES | RATE (Fl. Oz./100 lbs. Seed) |
|---|---|
| Suppression of die-back in sweet corn caused by *Penicillium* spp., *Fusarium* spp. and *Aspergillus* spp. | 0.50 – 1.24 |

**APPLICATION DIRECTIONS:**
Confirm physical compatibility, seed safety, seed safety in stored seed, and biological efficacy before tank mixing with other seed treatment products.

# STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:**

**For plastic containers ≤ 5 gallons: Nonrefillable Container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: Nonrefillable container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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**LIMITATION OF WARRANTY AND LIABILITY**

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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