

2023-0528
2023-03-22

Container Label



VIKING™ Difenoconazole Fungicide

GROUP	3	FUNGICIDE
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EMULSIFIABLE CONCENTRATE

COMMERCIAL- AGRICULTURAL

Fungicide for control or suppression of diseases on listed crops.

REGISTRATION NO.: 34773 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT: Difenoconazole 250 g/L
Warning, contains the allergen soy.

NET CONTENTS: 1 L to 1000 L

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF THE REACH OF CHILDREN

WARNING – EYE IRRITANT

**In case of emergency call the 24 hour Emergency Response Number 1-800-424-9300 or
1-703-527-3887**

Viking Crop Production Partners Inc.

Box 18033
RPO Shawnessy
Calgary, AB. T2Y 0K3
1-587-743-1029

Viking (TM) is a trademark of Viking Crop Production Partners Inc.

Label

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.

PRECAUTIONS

Causes eye irritation. DO NOT get in eyes. Avoid contact with skin, eyes, or clothing.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Keep unused product in original container tightly closed, locked up and away from food.

With the exception of *Brassica* and grapes, do not re-enter treated areas until 12 hours after treatment. For *Brassica*, do not re-enter treated areas for 3 days for hand harvesting and irrigation, and do not re-enter treated areas for 1 day for scouting. For all other activities in *Brassica* (e.g. hand weeding), do not enter the treated areas for 12 hours. For grapes, do not reenter treated areas for 10 days for cane turning and vine girdling. For all other post-application activities in grapes (e.g., training, thinning, hand pruning, tying, and leaf pulling), do not enter the treated areas for 2 days. For Pome fruit, **DO NOT** enter or allow entry into treated areas until sprays have dried. Workers shall be given oral warning of the re-entry interval.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

If this pest control product is to be used on a commodity that may be exported outside of Canada and you require information on acceptable residue levels in these countries, please contact Viking Crop Production Partners Inc. at 1-587-743-1029.

Personal Protective Equipment

During mixing, loading, application, clean-up and repair, wear chemical-resistant gloves, protective eyewear, long-sleeved shirt and long pants and socks and shoes. 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.

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.

All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. 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. 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 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.

TOXICOLOGICAL INFORMATION

There is no specific antidote known. Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

Difenoconazole is persistent and may carryover. It is recommended that this product not be used in areas treated with any products containing difenoconazole during the previous season.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

STORAGE

STORE IN A COOL, DRY PLACE. Store this product away from food and feed. Do not store tobacco products in storage area.

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 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 further use.

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

FOR 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.

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

requirements.

FOR 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.

GENERAL INFORMATION

VIKING Difenoconazole Fungicide is a broad spectrum fungicide with systemic and curative properties recommended for the control or suppression of many important plant diseases. **VIKING Difenoconazole Fungicide** may be applied as a foliar spray in alternating spray programs or in tank mixes with other crop protection products. All applications must be made according to the use directions that follow.

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

DIRECTIONS FOR USE

GROUND APPLICATION

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing **VIKING Difenoconazole Fungicide** using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

MIXING INSTRUCTIONS:

1. Ensure that the sprayer interior is clean, then fill the spray tank with $\frac{1}{2}$ the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
2. Add any WG or DF formulation mix partners and agitate to ensure complete mixing.
3. Add any SE or SC formulation mix partners and agitate to ensure complete mixing.
4. Add **VIKING Difenoconazole Fungicide** and agitate to ensure complete mixing, followed by any additional EC formulation mix partners and agitate to ensure complete mixing.
5. Fill the tank to $\frac{3}{4}$ the required amount of water.
6. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
7. Finish filling the sprayer with water, maintaining good agitation.
8. After any break in spraying operations, agitate thoroughly before spraying again.
9. Spray the pesticide suspension the same day as mixing.
10. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

SPRAYER CLEAN-UP:

Before Spraying:

- Prior to using **VIKING Difenoconazole Fungicide** ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow **VIKING Difenoconazole Fungicide** residue to dry within the spray tank

- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

EQUIPMENT SPECIFIC INSTRUCTIONS

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

SPRAYING INSTRUCTIONS:

1. Water Volume: Apply in a minimum spray volume of 150 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Spray Nozzles: 80° or 110° drift reducing flat fan (e.g. those with a pre-orifice or turbulence chamber) or air induction nozzles are recommended. **DO NOT** use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASAE fine sized droplets.
4. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in overly fine particles (mist). **DO NOT** apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. **DO NOT** spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

SPRAYING INSTRUCTIONS:

1. Water Volume: Apply in a minimum spray volume of 375 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER. Water volume should exceed the minimum recommendation at later stages of fruit development.
2. Spray Quality: Select nozzles and pressure to achieve ASAE fine sized droplets.
3. Spray Distribution: Select nozzles, orient deflectors, and adjust air speed and volume to ensure only the canopy is sprayed. Spray should just reach the top of the target. Account for the shape and canopy density of the target when setting spray distribution.
4. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in overly fine particles (mist). **DO NOT** apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. **DO NOT** spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

AERIAL APPLICATION

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions, and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. When no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ground Crew Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

All ground crew and the mixer/loaders must wear protective eyewear, chemical resistant gloves, long-sleeved shirt and long pants when mixing/loading, and during clean-up and repair activities. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing field sprayer label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing **VIKING Difenoconazole Fungicide** using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

MIXING INSTRUCTIONS:

Mixing this product directly in the aircraft hopper **IS NOT** recommended. The use of chemical handling or managing equipment to load the hopper **IS** recommended. This product **MAY BE** inducted into a hopper which is prefilled with water but **SHOULD NOT** be inducted when the product and water are mixed prior to entering the hopper. This product **MAY BE** batch mixed and pumped into the hopper. In all cases the chemical handling equipment and hopper interior must be clean prior to use.

NOTE: WG and DF formulations are preferentially batch mixed.

NOTE: SC, SN, and SL formulations may be inducted or batch mixed. **NOTE:** EC formulations are preferentially batch mixed.

It is **NOT** recommended to combine solid (WG or DF) formulations with liquid tank mix partners within a single batch. Batch mix WG or DF formulations first, pump into the hopper, and then add liquid tank mix partners by induction or as an additional batch mix. When tank mixing multiple products, follow the mixing order outlined below:

1. Pump water into the hopper to at least $\frac{1}{4}$ to $\frac{1}{2}$ of the desired spray volume. Engage hopper circulation, if possible.
2. Thoroughly batch mix any WG or DF formulation mix partners and agitate to ensure complete mixing. Pump into the hopper
3. Induct or thoroughly batch mix any SE or SC formulations.
4. Thoroughly batch mix **VIKING Difenoconazole Fungicide** and any EC formulation mix partners. EC formulations may be added to the batch from Step 3, if desired.
5. Induct or thoroughly batch mix any solution (SN or SL) formulation mix partners. SN/SL formulations may be added to the batch from Step 3, if desired.
6. Pump batch mixed SC, EC, and/or SN/SL products into the hopper.
7. Finish filling the hopper with water.
8. If it was not possible to engage hopper agitation in Step 1, do so as soon as possible once airborne.
9. Spray the pesticide suspension the same day as mixing.
10. Do not mix, load or clean equipment where there is a potential to contaminate wells or aquatic systems.

EQUIPMENT CLEAN-UP:

Before Spraying:

- Prior to using **VIKING Difenoconazole Fungicide**, ensure that the hopper, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow **VIKING Difenoconazole Fungicide** residue to dry within application equipment.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean application equipment near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

Pilot Precautions

Read and understand the entire label before using this product. Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides. Suggested conditions for good aerial application are moderate temperatures (less than 25 °C) and moderate relative humidity (greater than 40%). Light winds at altitude of 3-16 km/h are preferred, with 3-9 km/h considered optimal. Ensure uniform application and a uniform spray with minimum potential for drift. To avoid streaked, uneven or overlapped application, use appropriate marking technology. GPS based marking is preferred.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests. Avoid drifting of spray onto any body of water or other non-target areas. Specified spray buffer zones should be observed.

Aerial application:

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

SPRAYING INSTRUCTIONS

1. Water Volume: Apply in a minimum spray volume of 45 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Spray Nozzles: Use only ASABE medium nozzles rated as delivering droplets of volume median diameter of 300 microns or greater.
3. Pressure or RPM: As recommended by the nozzle or rotary atomizer manufacturer to achieve ASAE medium sized droplets.
4. Ensure hopper agitation is engaged whenever possible during flight.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in overly fine particles (mist). **DO NOT** apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. **DO NOT** spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call Viking Crop Production Partners Inc. at 1-587-743-1029 or obtain technical advice from your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

DIRECTIONS FOR USE

As this pesticide 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.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

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Spray Buffer zones:

A spray buffer zone is NOT required for:

- Uses with hand-held application equipment permitted on this label,
- Low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitats
		Less than 1 m	Greater than 1 m	

Field sprayer*	Brassica (cole) leafy vegetables, bulb vegetables, curcubit vegetables, fruiting vegetables, potatoes, Chinese artichoke, Jerusalem artichoke, edible canna, sweet potatoes and sugar beets		5	1	1
Airblast	Pome fruit: apple, crab apple, Oriental pear, quince	Early growth stage	20	3	2
		Late growth stage	10	2	1
	Grapes (except Concord and some non-vinifera hybrids)	Early growth stage	25	4	3
		Late growth stage	15	2	2
Aerial	Potatoes	Fixed-wing	30	1	15
		Rotary-wing	25	1	15

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

Rotational Crop Restrictions:

Do not plant any other crop for a period of 60 days of an **VIKING Difenconazole Fungicide** application to the preceding crop unless **VIKING Difenconazole Fungicide** is registered for that crop.

DIRECTIONS FOR USE

Apply the higher rate and shorter interval under conditions of high disease pressures.

Make no more than two (2) sequential applications of **VIKING Difenconazole Fungicide** before alternating with another registered fungicide with a different mode of action.

NOT FOR USE IN GREENHOUSES.

When tank mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

Crop	<p>Brassica (Cole) Leafy Vegetables Brassica Head and Stem subgroup: Broccoli; Chinese Broccoli (gai lon); Brussels sprouts; Cabbage; Chinese cabbage (napa); Chinese mustard cabbage (gai choy); Cauliflower; Cavalo broccoli; Kohlrabi Leafy Green subgroup: Broccoli raab; Chinese cabbage (bok choy); Collard; Kale; Mizuna; Mustard greens; Mustard spinach; Rape greens Including all cultivars and/or hybrids of these.</p>
Target Diseases	Alternaria blight (<i>Alternaria brassicae</i>), Powdery mildew (<i>Erysiphe polygoni</i>)
Use Rate mL product/ha (g ai/ha)	364 – 512 (91 – 128)
Remarks	<p>Begin applications prior to disease onset when conditions are conducive for disease. Apply VIKING Difenoconazole Fungicide on a 10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.</p> <p>Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.</p>
<p>Specific Use Restrictions: Do not apply more than 2.04 L/ha (512 g ai/ha) of VIKING Difenoconazole Fungicide per crop per season. Do not apply within 3 days of harvest (3 day PHI). Do not re-enter treated areas for 3 days for hand harvesting and irrigation, and do not re-enter treated areas for 1 day for scouting. For all other activities in <i>Brassica</i> (e.g. hand weeding), do not enter the treated areas for 12 hours. DO NOT apply by air.</p>	
<p><u>VIKING Difenoconazole Fungicide Tank Mixed with REVUS® Fungicide</u> VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 4 applications of this tank mix per season. Do not apply within 3 days of harvest (3 day PHI). DO NOT apply by air.</p>	
<p><u>VIKING Difenoconazole Fungicide Tank Mixed with BRAVO 720 Fungicide For Use on Broccoli, Brussels Sprouts, Cabbage and Cauliflower</u> VIKING Difenoconazole Fungicide can be tank mixed with BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not exceed the maximum amount of product applied per season as indicated on the VIKING Difenoconazole Fungicide label. Do not apply within 7 days of harvest (7 day PHI). DO NOT apply by air.</p>	
<p><u>VIKING Difenoconazole Fungicide Tank Mixed with MATADOR® 120EC for Use on Broccoli, Brussels Sprouts, Cabbage and Cauliflower</u> VIKING Difenoconazole Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in the crops indicated above. Refer to VIKING Difenoconazole Fungicide and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the VIKING Difenoconazole Fungicide and MATADOR 120EC labels. Do not make more than 3 applications of this tank mix per year. Do not apply within 1 day of harvest for cabbage (1 day PHI). Do not apply within 3 days of harvest for broccoli, Brussels sprouts and cauliflower (3 day PHI). DO NOT apply by air.</p>	

Crop	Bulb Vegetables Dry bulb: Onions, bulb; Garlic; Garlic, great-headed (elephant); Shallot Green Onion: Green onions; Leek; Welch onion
Target Diseases	Purple blotch (<i>Alternaria porri</i>)
Use Rate mL product/ha (g ai/ha)	364 – 512 (91 – 128)
Remarks	Begin applications prior to disease onset when conditions are conducive for disease. Apply VIKING Difenoconazole Fungicide on a 7-10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.

Specific Use Restrictions:

- 1) For green onions, do not apply more than 1.53 L/ha (384 g ai/ha) of **VIKING Difenoconazole Fungicide** per crop per season.
- 2) For dry bulb onions, do not apply more than 2.04 L/ha (512 g ai/ha) per crop per season.
- 3) Do not apply within 7 days of harvest (7 day PHI).
- 4) DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with REVUS Fungicide for Use on Dry Bulb and Green Onion

VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases.

Follow all appropriate directions, precautions, etc. as specified on both product labels.

For green onions do not make more than 4 applications of this tank mix per season if using the low rate of **VIKING Difenoconazole Fungicide** and 3 applications if using the high rate of **VIKING Difenoconazole Fungicide**.

For dry bulb onions do not make more than 4 applications of this tank mix per season. Do not apply within 7 days of harvest (7 day PHI).

DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with BRAVO 720 Fungicide for Use on Onion (Dry bulb and Green bunching)

VIKING Difenoconazole Fungicide can be tank mixed with BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 3 applications of this tank mix per season.

Do not apply within 7 days of harvest to dry bulb onions (7 day PHI).

Do not apply within 14 days of harvest to green bunching onions (14 day PHI). DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with MATADOR 120EC for Use on Garlic, Great-headed (elephant) Garlic, Leek, Dry Bulb Onion, Green Onion, Welch Onion and Shallot.

VIKING Difenoconazole Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in the crops indicated above. Refer to **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels.

Do not make more than 3 applications of this tank mix per year.

Do not apply within 14 days of harvest (14 day PHI).

DO NOT apply by air.

Crop	Cucurbit Vegetables Chinese waxgourd; Citron melon; Cucumber (field); Gerkin; Gourd, edible; Momordica spp.; Muskmelons (includes cantaloupe); Pumpkin; Squash, summer (includes zucchini); Squash, winter; Watermelon Including cultivars and/or hybrids of these.
Target Diseases	Powdery mildew (<i>Sphaerotheca fuliginea</i>) Suppression of Gummy stem blight (<i>Didymella bryoniae</i>)
Use Rate mL product/ha (g ai/ha)	364 – 512 (91 – 128) powdery mildew 512 (128) gummy stem blight
Remarks	Begin applications prior to disease onset when conditions are conducive for disease. Apply VIKING Difenoconazole Fungicide on a 7-10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended. A minimum spray volume of 190 L/ha is recommended for gummy stem blight.
Specific Use Restrictions: 1) Do not apply more than 2.04 L/ha (512 g ai/ha) of VIKING Difenoconazole Fungicide per crop per season. 2) May be applied the day of harvest (0 day PHI). 3) DO NOT apply by air.	
<u>VIKING Difenoconazole Fungicide Tank Mixed with REVUS Fungicide</u> VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 4 applications of this tank mix per season. May be applied the day of harvest (0 day PHI). DO NOT apply by air.	
<u>VIKING Difenoconazole Fungicide Tank Mixed with BRAVO 720 Fungicide</u> VIKING Difenoconazole Fungicide can be tank mixed with BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not exceed the maximum amount of product applied per season as indicated on the VIKING Difenoconazole Fungicide label. Do not apply within 1 day of harvest (1 day PHI). DO NOT apply by air.	

Crop	Grapes (except Concord and some non-vinifera hybrids. See Precaution under Remarks.)
Target Diseases	Powdery mildew (<i>Uncinula necator</i>)
Use Rate mL product/ha (g ai/ha)	292 (73)
Remarks	For powdery mildew, begin at bud break and apply on an 11-21 day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action. Use the shorter interval when conditions are more conducive to high disease pressure. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended. PRECAUTION: On Concord, V. labrusca, V. labrusca hybrids, and other non-vinifera hybrids where sensitivity is not known - the use of VIKING Difenoconazole Fungicide by itself or in tank mixtures with materials that may increase uptake (adjuvants, foliar fertilizers) may result in leaf burning or other phytotoxic effects.

Specific Use Restrictions:

- 1) Do not apply more than 2.04 L/ha (512 g ai/ha) of **VIKING Difenoconazole Fungicide** per crop per season.
- 2) Do not apply within 7 days of harvest (7 day PHI).
- 3) DO NOT apply by air.
- 4) Do not re-enter treated areas for 10 days for cane turning and vine girdling. For all other postapplication activity for grapes (e.g., hand harvesting, training, thinning, hand pruning, tying, and leaf pulling), do not enter the treated area for 2 days.

VIKING Difenoconazole Fungicide Tank Mixed with REVUS Fungicide

VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases.

Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 4 applications of this tank mix per year.

Do not apply within 14 days of harvest (14 day PHI).

DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with VANGARD® 75WG

VIKING Difenoconazole Fungicide can be tank mixed with VANGARD 75WG for the control of labelled diseases.

Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 2 applications of this tank mix per year.

Do not apply within 7 days of harvest (7 day PHI).

DO NOT apply by air.

Crop	Fruiting Vegetables Eggplant; Groundcherry; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Tomatillo, Tomato
Target Diseases	Early blight (<i>Alternaria solani</i>)
Use Rate mL product/ha (g ai/ha)	292 – 512 (73 - 128)
Remarks	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply VIKING Difenoconazole Fungicide on a 7-14 day schedule. VIKING Difenoconazole Fungicide can be used a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.
Crop	Fruiting Vegetables Eggplant; Groundcherry; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Tomatillo, Tomato
Target Diseases	Anthracnose (<i>Colletotrichum acutatum</i>)
Use Rate mL product/ha (g ai/ha)	512 (128)
Remarks	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply VIKING Difenoconazole Fungicide on a 7-14 day schedule. VIKING Difenoconazole Fungicide can be used a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.

Specific Use Restrictions:

- 1) Do not apply more than 2.04 L/ha (512 g ai/ha) per crop per season.
- 2) May be applied the day of harvest (0 day PHI).
- 3) Do not use on varieties in which the mature tomatoes will be less than 5 cm (such as cherry tomatoes).
- 4) DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with REVUS Fungicide for Use on Tomato and Tomatillo

VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 4 applications of this tank mix per season.

Do not apply within 1 day of harvest (1 day PHI).

DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with BRAVO 720 Fungicide for Use on Tomato

VIKING Difenoconazole Fungicide can be tank mixed with BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not exceed the maximum amount of product applied per season as indicated on the **VIKING Difenoconazole Fungicide** label.

Do not apply within 1 day of harvest (1 day PHI). DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with MATADOR 120EC for Use on Tomato

VIKING Difenoconazole Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in tomatoes. Refer to **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels.

Do not make more than 3 applications of this tank mix per year if using the low rate (83 mL/ha) of MATADOR 120EC.

Do not make more than 2 applications of this tank mix per year if using the high rate (125 mL/ha) of MATADOR 120EC.

Do not apply within 7 days of harvest (7 day PHI).

DO NOT apply by air.

Crop	Pome Fruit Apple; Crab apple; Pear; Pear, Oriental; Quince
Target Diseases	Brooks fruit spot (<i>Mycosphaerella pomi</i>) Cedar apple rust (<i>Gymnosporangium juniperi-virginianae</i>) Flyspeck (<i>Zygophiala jamacaicensis</i> (Formerly known as <i>Schizothyrium pomi</i>)) Quince rust (<i>Gymnosporangium clavipes</i>) Scab (<i>Venturia inaequalis</i> , <i>Venturia pirina</i>) Sooty blotch (<i>Gloeodes pomigena</i>) Suppression of Powdery mildew (<i>Podosphaera leucotricha</i>)
Use Rate mL product/ha (g ai/ha)	292 (73)
Remarks	<p>For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 375 L/ha for ground applications is recommended.</p> <p>Apple Scab - Protective Spray Schedule: Apply every 7-10 days starting at 6-13 mm (¼-½ inch) green tip or when environmental conditions become conducive for scab. Continue through petal fall until the threat of primary scab is complete. For improved fruit scab control, combine VIKING Difenconazole Fungicide with a protectant fungicide such as VANGARD 75WG, Dithane™ DG 75 Fungicide, Manzate® Pro-Stick™ Fungicide and Penncozeb® 75DF Fungicide .</p> <p>Apple Scab - Curative Spray Schedule: Use a forecasting system beginning at green tip. Apply within 48 hours of the onset of an infection period. Apply a follow-up spray after 7 days. For improved fruit scab control, combine VIKING Difenconazole Fungicide with a protectant fungicide such as VANGARD 75WG, Dithane DG 75 Fungicide, Manzate Pro-Stick Fungicide and Penncozeb 75DF Fungicide.</p> <p>Powdery Mildew: Begin applications of VIKING Difenconazole Fungicide at the tight cluster stage, and continue on a 7-10 day schedule. Follow VIKING Difenconazole Fungicide with other fungicides such as VANGARD 75WG as needed. Cedar-Apple Rust, Quince Rust, and Brooks Fruit Spot: Begin applications preventively. Apply VIKING Difenconazole Fungicide alone or in combination with a protectant fungicide such as Manzate ProStick Fungicide and Penncozeb 75DF Fungicide on a 7-10 day schedule through the second cover-spray.</p> <p>Sooty Blotch, Flyspeck: For early season control, begin applications preventively. Apply VIKING Difenconazole Fungicide on a 7-10 day schedule through the second cover spray. Follow VIKING Difenconazole Fungicide with other labelled fungicides as needed.</p>
Resistance Management: To help prevent resistance, it is recommended to make no more than 2 consecutive applications with VIKING Difenconazole Fungicide or another Group 3 fungicide or a Group 3 fungicide mixture before alternating to a different mode of action.	
Specific Use Restrictions:	
<ol style="list-style-type: none"> 1) Do not apply more than 1.46 L/ha of VIKING Difenconazole Fungicide per crop (365 g ai/ha) per season. 2) Do not apply VIKING Difenconazole Fungicide within 14 days of harvest (14 day PHI) 3) DO NOT enter or allow entry into treated areas until sprays have dried. 	

VIKING Difenconazole Fungicide Tank Mixed with ACTARA 25WG for Use on Apple, Crab apple, Pear and Oriental Pear

VIKING Difenconazole Fungicide can be tank mixed with ACTARA 25WG for labelled diseases and insect control for the crops listed immediately above. Refer to **VIKING Difenconazole Fungicide** and ACTARA

25WG labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenconazole Fungicide** and ACTARA 25WG labels.

For apple, do not make more than 2 applications of this tank mix per year (maximum 2 applications postbloom or one application pre-bloom plus one application post-bloom).

For pear, do not make more than 2 applications of this tank mix per year. Do not apply within 60 days of harvest (60 day PHI).

DO NOT apply using aerial application equipment.

VIKING Difenconazole Fungicide Tank Mixed with MATADOR 120EC for Use on Apples and Pears

VIKING Difenconazole Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in apples and pears. Refer to **VIKING Difenconazole Fungicide** and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenconazole Fungicide** and MATADOR 120EC labels. For apples, do not make more than 3 applications of this tank mix per year.

For pears, do not make more than 1 application of this tank mix per year. Do not apply within 14 days of harvest (14 day PHI).

DO NOT apply using aerial application equipment.

VIKING Difenconazole Fungicide Tank Mixed with AGRI-MEK® 1.9% EC Insecticide/Miticide for Use on Apples and Pears

VIKING Difenconazole Fungicide can be tank mixed with AGRI-MEK 1.9% EC Insecticide/Miticide for labelled diseases and insect control in apples and pears. Refer to **VIKING Difenconazole Fungicide** and AGRI-MEK 1.9% EC Insecticide/Miticide labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenconazole Fungicide** and AGRI-MEK 1.9% EC Insecticide/Miticide labels.

For apples, do not apply this tank mix more than once per growing season.

For pears, do not apply more than 2 applications per year of this tank mix if using the low rate of AGRIMEK 1.9% EC Insecticide/Miticide (0.75 L/ha) and do not apply more than 1 application per year of this tank mix if using the high rate (1.5 L/ha).

Do not apply within 28 days of harvest (28 day PHI).

DO NOT apply using aerial application equipment.

VIKING Difenconazole Fungicide Tank Mixed with VANGARD 75WG for Use on Apples

VIKING Difenconazole Fungicide can be tank mixed with VANGARD 75WG for the control of labelled diseases.

Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 5 applications of this tank mix per year.

Do not apply within 72 days of harvest (72 day PHI).

DO NOT apply using aerial application equipment.

VIKING Difenconazole Fungicide Tank Mixed with Dithane DG 75 Fungicide for Use on Apples

VIKING Difenconazole Fungicide can be tank mixed with Dithane DG 75 Fungicide for the control of labelled diseases.

Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 5 applications of this tank mix per year.

Do not apply within 45 days of harvest (45 day PHI).

DO NOT apply using aerial application equipment.

VIKING Difenconazole Fungicide Tank Mixed with Maestro® 80DF Fungicide for Use on Apples and Pears

VIKING Difenconazole Fungicide can be tank mixed with Maestro 80DF Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than 5 applications of this tank mix per year.
 Do not apply within 14 days of harvest (14 day PHI).
 DO NOT apply using aerial application equipment.

VIKING Difenoconazole Fungicide Tank Mixed with Manzate Pro-Stick Fungicide for Use on Apples

VIKING Difenoconazole Fungicide can be tank mixed with Manzate Pro-Stick Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.
 Do not make more than 5 applications of this tank mix per year.
 Do not apply within 45 days of harvest (45 day PHI).
 DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with Penncozeb 75DF Fungicide for Use on Apples

VIKING Difenoconazole Fungicide can be tank mixed with Penncozeb 75DF Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.
 Do not make more than 5 applications of this tank mix per year.
 Do not apply within 45 days of harvest (45 day PHI).
 DO NOT apply by air.

Crop	Artichoke, Chinese; Artichoke, Jerusalem, Canna, edible; Chufa; Potato; Sweet potato
Target Diseases	Early blight (<i>Alternaria solani</i>)
Use Rate mL product/ha (g ai/ha)	292 – 512 (73 – 128)
Remarks	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply VIKING Difenoconazole Fungicide on a 7-14 day schedule. VIKING Difenoconazole Fungicide can be used a maximum of 2 consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest interval. For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 150 L/ha for all ground applications is recommended. Aerial application for potatoes only. A minimum of 45 L/ha for aerial applications is recommended.

Specific Use Restrictions:

Do not apply more than 2.04 L/ha (512 g ai/ha) per season.
 Do not apply within 14 days of harvest (14 day PHI).
 APPLY BY AIR for potatoes only.

VIKING Difenoconazole Fungicide Tank Mixed with REVUS Fungicide for Use on Potatoes

VIKING Difenoconazole Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases.
 Follow all appropriate directions, precautions, etc. as specified on both product labels.
 Do not make more than 4 applications of this tank mix per season. Do not apply within 14 days of harvest (14 day PHI).
 DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with BRAVO 720 or BRAVO ZN Fungicide for Use on Potatoes

VIKING Difenoconazole Fungicide can be tank mixed with BRAVO 720 or BRAVO ZN Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.
 Do not exceed the maximum amount of product applied per season as indicated on the **VIKING Difenoconazole Fungicide** label.

Do not apply within 14 days of harvest (14 day PHI).
DO NOT apply by air.

VIKING Difenoconazole Fungicide Tank Mixed with Allegro® 500F Agricultural Fungicide for Use on Potatoes VIKING Difenoconazole Fungicide can be tank mixed with Allegro 500F Agricultural Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

Do not make more than the recommended applications per year as indicated on the **VIKING Difenoconazole Fungicide** label.

Do not apply within 14 days of harvest (14 day PHI).

VIKING Difenoconazole Fungicide Tank Mixed with AGRI-MEK 1.9% EC Insecticide/Miticide for Use on Potatoes VIKING Difenoconazole Fungicide can be tank mixed with AGRI-MEK 1.9% EC

Insecticide/Miticide for labelled diseases and insect control in potatoes. Refer to **VIKING Difenoconazole Fungicide** and AGRI-MEK 1.9% EC Insecticide/Miticide labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and AGRI-MEK 1.9% EC Insecticide/Miticide labels.

Do not make more than 2 applications of this tank mix per year. Do not apply within 14 days of harvest (14 day PHI).

VIKING Difenoconazole Fungicide Tank Mixed with ACTARA 240SC Insecticide for Use on Potatoes

VIKING Difenoconazole Fungicide can be tank mixed with ACTARA 240SC Insecticide for labelled diseases and insect control in potatoes. Refer to **VIKING Difenoconazole Fungicide** and ACTARA 240SC Insecticide labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and ACTARA 240SC Insecticide labels.

Do not make more than 2 applications of this tank mix per year. Do not apply within 14 days of harvest (14 day PHI).

VIKING Difenoconazole Fungicide Tank Mixed with FULFILL® 50WG Insecticide for Use on Potatoes

VIKING Difenoconazole Fungicide can be tank mixed with FULFILL 50WG Insecticide for labelled diseases and insect control in potatoes. Refer to **VIKING Difenoconazole Fungicide** and FULFILL 50WG Insecticide labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and FULFILL 50WG Insecticide labels.

Do not make more than 2 applications of this tank mix per crop per year. Do not apply within 14 days of harvest (14 day PHI).

VIKING Difenoconazole Fungicide Tank Mixed with MATADOR 120EC for Use on Potatoes

VIKING Difenoconazole Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in potatoes. Refer to **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the **VIKING Difenoconazole Fungicide** and MATADOR 120EC labels.

For ground application, do not make more than 2 applications of the tank mix per year if using the high rate (125 mL/ha) of MATADOR 120EC and 3 applications of this tank mix if using the low rate (83 mL/ha) of MATADOR 120EC.

Do not apply within 14 days of harvest (14 day PHI).

DO NOT apply by air.

Crop	Sugar beets
Target Diseases	Cercospora leaf spot (<i>Cercospora beticola</i>) Powdery mildew (<i>Erysiphe polygoni</i>)
Use Rate mL product/ha (g i/ha)	292 – 512 (73 – 128)
Remarks	Apply VIKING Difenoconazole Fungicide on a 7-28 day schedule, alternating with a non-triazole fungicide (non-Group 3) that is registered on sugar beets for these diseases. If disease pressure is high, use the highest rate and shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.
Specific Use Restrictions: Do not apply more than 2.04 L/ha (512 g ai/ha) per season. Do not apply within 14 days of harvest (14 day PHI). DO NOT apply by air.	

Resistance Management Recommendations

For resistance management, **VIKING Difenoconazole Fungicide** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **VIKING Difenoconazole Fungicide** 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 **VIKING Difenoconazole Fungicide** or other Group 3 fungicides with different groups that control the same pathogens.
- Avoid application of more than the maximum number listed in the label and two (2) consecutive applications of **VIKING Difenoconazole Fungicide** or other Group 3 fungicides in the same season.
- 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 (IPM) 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 effective time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify Viking Crop Production Partners Inc. if reduced sensitivity of the pathogen to **VIKING Difenoconazole Fungicide** 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 or to report suspected resistance, contact Viking Crop Production Partners Inc. at 1-587-743-1029 or at www.Vikingcropproduction.com.

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