

GROUP	11	FUNGICIDE
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## QUADRIS® Flowable Fungicide

SUSPENSION

COMMERCIAL

For Use in Controlling Diseases in Canola, Legume Vegetables including soybeans, Seed Corn, Potatoes, Tomatoes, Ginseng, Hazelnuts, Filberts, Sugarbeets, Coriander, Ferns of Asparagus, Spinach, Sweet and Field Corn, Carrots, Radish, Daikon, Horseradish, Rutabaga, Turnip, Garden Beet, Tobacco, Cereals and Ground Cherries.

### GUARANTEE:

Azoxystrobin ..... 250 g/L

Contains 1,2-benzisothiazolin-3-one at 0.031% as a preservative.

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO: **26153**  
PEST CONTROL PRODUCTS ACT

**Syngenta Crop Protection Canada, Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

Pamphlet

## 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.

## 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. 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 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

No specific symptoms of poisoning are known for this product. If ingested, nausea, vomiting, diarrhea and abdominal pain may occur. Treat symptomatically.

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

May irritate eyes. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash with soap and water after handling, and before eating, drinking or smoking. Wash contaminated clothing, separately from household laundry, before re-use. Do not wear contaminated shoes.

Wear long-sleeved shirt and long pants when mixing, loading and applying and during clean-up and repair activities. Wear chemical resistant gloves during mixing and loading.

Do not re-enter treated fields until residues have dried.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms. Observe buffer zones specified in Table 1 under DIRECTIONS FOR USE.

Azoxystrobin is persistent and will carryover. It is recommended that this product not be used in areas treated with Azoxystrobin 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 strip between the treated area and the edge of the water body.

The properties of this product indicate it may leach to ground water. The use of this product may result in contamination of ground water, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

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 website at [www.croplife.ca](http://www.croplife.ca).

## STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Do not store below 0°C.

## SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada, Inc. (See EMERGENCY NUMBER) for further information.

For spills and leaks - contain the liquid with dikes of inert material (soil, clay, kitty litter, etc.). Absorb the spill onto inert material and shovel into a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements.

## DISPOSAL OF UNUSED, UNWANTED PRODUCT

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.

## CONTAINER 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 further use.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

## PRODUCT INFORMATION

QUADRIS Flowable Fungicide is a broad spectrum, preventative fungicide with systemic properties recommended for the control of plant diseases of canola, legume vegetables including soybeans, seed corn, potatoes, tomatoes, ginseng, hazelnuts, filberts, sugarbeets, coriander, ferns of asparagus, spinach, sweet and field corn, carrots, radish, daikon, horseradish, rutabaga, turnip, garden beet, tobacco, cereals and ground cherries.

QUADRIS Flowable Fungicide is to be applied as a foliar spray. Optimum disease control will be obtained by protective treatments prior to disease establishment. Refer to the specific use directions for each crop for detailed instructions on rates, application timing and technique.

Do not apply QUADRIS Flowable Fungicide through irrigation equipment.

## DIRECTIONS FOR USE

As this product 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 waste.

### **Buffer zones:**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Table 1. Buffer Zones

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitats of Depths:		Estuarine/Marine Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Potatoes, ginseng, radish, daikon, canola, soybeans, legumes, field tomatoes, sugar beets, coriander, asparagus, spinach, carrots, horseradish, rutabaga, turnip and garden beets, tobacco, chickpeas, ground cherries, cereals, corn, corn tank mix and seed corn		1	1	1	1
Airblast	Hazelnuts	Early Growth Stage	15	1	4	1
		Late Growth Stage	5	1	2	1
Aerial	Canola, soybeans and legumes, field tomatoes, potatoes, cereals, corn		5	1	1	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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.

CANOLA			
Diseases Controlled	Product Rate (mL/ha)	Application Timing	Notes
<b>Virulent Blackleg</b> ( <i>Leptosphaeria maculans</i> )	500	1 application as a broadcast foliar spray at the 2-6 leaf stage	One (1) litre of QUADRIS Flowable Fungicide will treat 2 hectares.
<b>Sclerotinia Stem Rot</b> ( <i>Sclerotinia sclerotiorum</i> )	700-1000	1 application as a broadcast foliar spray at the early bloom stage (prior to 30% bloom)	Use the higher rate if there is a history of <i>Sclerotinia</i> infection in the area and when environmental conditions favour disease development
<b>Alternaria Black Spot</b> ( <i>Alternaria brassicae</i> , <i>Alternaria raphani</i> )	500	1 application as a broadcast foliar spray at the pod stage (90% petal fall)	One (1) litre of QUADRIS Flowable Fungicide will treat 2 hectares.

Diseases Suppressed	Product Rate (mL/ha)	Application Timing	Notes
<b>Alternaria Black Spot</b> ( <i>Alternaria brassicae</i> , <i>Alternaria raphani</i> )	700-1000	Early bloom stage (prior to 30% bloom)	One (1) litre of QUADRIS Flowable Fungicide will treat 1 to 1.4 hectares.
<b>Restrictions:</b> The PHI for application of QUADRIS Flowable Fungicide on canola is 30 days. A plant back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required. QUADRIS Flowable Fungicide is not a substitute for good management practices. For optimum control of Blackleg, plant seed treated with a seed treatment recommended for the control of seed borne Blackleg, followed by a foliar application of QUADRIS Flowable Fungicide.			

## LEGUMES VEGETABLES (Crop Group 6) INCLUDING SOYBEANS

**Crop Group 6A: Edible-podded legume vegetables** - Any succulent cultivar of edible podded bean (*Phaseolus* spp.) and any succulent cultivar of edible-podded pea (*Pisum* spp.). Bean (*Phaseolus* spp.) (includes runner bean, snap bean, wax bean); bean (*Vigna* spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean); jack bean; pea (*Pisum* spp.) (includes dwarf pea, edible-podded pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed); and sword bean.

**Crop Group 6B: Succulent shelled pea and bean** - Any succulent shelled cultivar of bean (*Phaseolus* spp.) and garden pea (*Pisum* spp.); bean (*Phaseolus* spp.) (includes lima bean, green bean); broad bean (succulent); bean (*Vigna* spp.) (includes black-eyed pea, cowpea, southern pea); pea (*Pisum* spp.) (includes English pea, garden pea, green pea); and pigeon pea.

**Crop Group 6C: Dried shelled pea and bean** - Any dried cultivar of bean (*Phaseolus* spp.); and dried cultivar of pea (*Pisum* spp.): dried cultivars of bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and sweet white lupin); (*Vigna* spp.) (includes adzuki beans); (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean, mung bean, rice bean, southern bean, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (*Pisum* spp.) (includes field pea); and pigeon pea.

### Soybeans

DISEASE	CROPS	PRODUCT RATE/HA	APPLICATION TIMING
<b>Asian (Soybean) Rust</b> ( <i>Phakopsora pachyrhizi</i> )	All Crop Group 6A, B, C legumes vegetables listed above, and soybeans	500 mL	Make first application at the R1 to R3 developmental stage, or when there is 5% disease level in the field, followed by a second application 14 days after the first, if environmental conditions are favourable for disease development.
<b>Powdery Mildew</b> ( <i>Microsphaera diffusa</i> , <i>Erysiphe pisi</i> , <i>E. polygoni</i> )	Soybeans, and field peas ( <i>Pisum spp.</i> ) only	500 mL	
<b>Cercospora Leaf Spot</b> ( <i>Cercospora kikuchii</i> )	Soybeans only	500 mL	
<b>Ascochyta blight</b> ( <i>Ascochyta spp.</i> ) <b>Mycosphaerella blight</b> ( <i>Mycosphaerella pinodes</i> ) <b>Anthrachnose</b> ( <i>Colletotrichum spp.</i> )	Any commodity listed under Crop Group 6C - the dried shelled pea and bean sub-group.	500 mL	The first application must be applied before disease is established and no later than the onset of flowering. A second application can be made 10-14 days after the first application, when disease pressure is severe or when agronomic or weather conditions are conducive to disease development or movement.
<b>Restrictions:</b> APPLY A MAXIMUM OF 2 APPLICATIONS OF QUADRIS FLOWABLE FUNGICIDE PER SEASON. DO NOT APPLY WITHIN 15 DAYS OF HARVEST. A plant back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required. Do not exceed more than 2 applications of QUADRIS Flowable Fungicide per hectare per season. Not all members of the legume vegetable group have been tested for efficacy and phytotoxicity at the recommended label rates, and should be used at the discretion of the user. Do not feed dried pea vines to livestock.			

<b>QUADRIS FLOWABLE FUNGICIDE TANK MIXED WITH TILT 250E FUNGICIDE</b>			
<b>LEGUMES VEGETABLES (Crop Group 6) INCLUDING SOYBEANS</b>			
<b>DISEASE</b>	<b>CROPS</b>	<b>RATE/HA</b>	<b>REMARKS</b>
<b>Asian (Soybean) Rust</b> ( <i>Phakopsora pachyrhizi</i> )	All Crop Group 6A, B, C legumes vegetables listed above, and soybeans	0.3 - 0.45 L/ha of QUADRIS Flowable Fungicide with 0.5 – 0.75 L/ha of TILT 250E Fungicide	Make the first application at the first sign of disease. Apply the high rate only under conditions of high disease pressures. A second application at 14 days interval may be needed if conditions persist. It is important to protect the developing pod of soybean and podded legume vegetables.  Good spray coverage and canopy penetration are important for best results.  Apply in a minimum of 45 L of water per hectare.
<b>Restrictions:</b> DO NOT APPLY MORE THAN 2 APPLICATIONS OF QUADRIS FLOWABLE FUNGICIDE PER SEASON. DO NOT APPLY MORE THAN 2 APPLICATIONS OF TILT 250E FUNGICIDE PER SEASON. Do not apply within 30 days of harvest for crop subgroup 6C (dry legume vegetables) and soybeans. Do not apply within 15 days of harvest for crop subgroup 6A (edible podded legume vegetables) and 6B (succulent shelled legume vegetables). Do not make more than one application to soybean hay and dry pea hay. Do not apply within 14 days of harvest of soybean hay and dry pea hay. Do not feed dried pea vines to livestock. Not all members of the legume vegetable group have been tested for efficacy and phytotoxicity at the recommended label rates and this tank mix should be used at the discretion of the user. The tank mix of QUADRIS Flowable Fungicide plus TILT 250E Fungicide may be applied by air or ground application equipment.			

<b>QUADRIS FLOWABLE FUNGICIDE TANK MIX WITH MATADOR® 120EC INSECTICIDE OR WARRIOR® INSECTICIDE</b>
<b>LEGUMES VEGETABLES (CROP GROUP 6) INCLUDING SOYBEANS</b> QUADRIS Flowable Fungicide can be tank mixed with MATADOR 120EC Insecticide or WARRIOR Insecticide for common leaf rust and insect control. Apply QUADRIS Flowable Fungicide at a rate of 500 mL/ha in a tank mix with MATADOR 120EC Insecticide or WARRIOR Insecticide at a rate of 83-233 mL/ha for control of soybean aphid on soybean and at a rate of 83mL/ha for the rest of the crops in Crop Group 6. Refer to the QUADRIS Flowable Fungicide, MATADOR 120EC Insecticide and WARRIOR Insecticide labels for diseases and insects controlled, specific application instructions and precautions. Pests and crops must be at the correct stage as specified on the QUADRIS Flowable Fungicide, MATADOR 120EC Insecticide as well as on WARRIOR Insecticide label. DO NOT apply more than 2 applications per season of this tank mix. DO NOT make more than one application to soybean hay and dry pea hay per season of this tank mix. PHI 30 days for crop subgroup 6C (dry legume vegetables) and soybeans. PHI 15 days for crop subgroup 6A (edible podded legume vegetables) and 6B (succulent shelled legume vegetables). DO NOT apply within 14 days of harvest of soybean hay and dry pea hay. A plant back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required for this tank mix. DO NOT feed dried pea vines to livestock. DO NOT graze or harvest treated forage, straw or hay for livestock feed. Not all members of the legume vegetable group have been tested for efficacy and phytotoxicity at the recommended label rates, and should be used at the discretion of the user. This tank mix can be applied by ground application equipment only. DO NOT APPLY THE TANK MIX WITH MATADOR 120EC Insecticide OR WARRIOR Insecticide BY AIR.

<b>POTATOES</b>			
<b>Diseases Controlled</b>	<b>Product Rate (mL/ha)</b>	<b>Application Timing</b>	<b>Notes</b>
<b>Early Blight</b> ( <i>Alternaria solani</i> )	500 - 800	Apply on a 7 to 14 day interval, starting prior to disease establishment.	Apply as a broadcast foliar spray in sufficient water for thorough coverage. Use the higher rate if extending the treatment interval to 14 days.
<b>Late Blight</b> ( <i>Phytophthora infestans</i> )	800	Apply on a 7 day interval, starting prior to disease establishment	Apply in alternation with fungicides which have a different mode of action, and to which disease resistance has not developed.
<b>Black Dot</b> ( <i>Colletotrichum coccodes</i> )	500 - 800	Apply on a 7 to 14 day interval, starting prior to disease establishment.	For <b>Early Blight and Black Dot</b> , use the high rate and short application interval under high disease pressures.  If <b>Late Blight</b> becomes established, discontinue use of QUADRIS Flowable Fungicide, and use alternative fungicides.
<p><b>Restrictions:</b> Do not apply more than 2.4 L of QUADRIS Flowable Fungicide per hectare per crop per season. Do not exceed more than 3 applications of QUADRIS Flowable Fungicide per hectare per season. Do not apply sequential treatments of QUADRIS Flowable Fungicide. The PHI for application of QUADRIS Flowable Fungicide is 1 day.</p> <p>A plant back interval of 30 days for potatoes (root crops) is required.</p> <p>Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p>			

**QUADRIS FLOWABLE FUNGICIDE TANK MIXED WITH BRAVO® 500 FUNGICIDE**

QUADRIS Flowable Fungicide can be tank mixed with BRAVO 500 Fungicide for Early Blight (*Alternaria solani*) control on potatoes. Apply QUADRIS Flowable Fungicide at a rate of 500 ml /ha in tank mix with BRAVO 500 Fungicide at a rate of 2 L/ha.

- Read all the labels and follow the precautionary statement, directions for use (rates, diseases controlled and application intervals) and other restrictions.
- Always check the compatibility of QUADRIS Flowable Fungicide tank mix using a jar test with proportionate amounts of BRAVO 500 Fungicide, and the water, before mixing in the spray tank.
- Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
- Fill tank at least 1/2 full of clean water.
- Add first BRAVO 500 Fungicide then QUADRIS Flowable Fungicide next.
- Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply in the same day.
- This tank mix can be applied by ground only. Use minimum of 100 L of water per hectare when applying by ground.

Apply on a 7 to 14 day interval, starting prior to disease development. Use the short application interval under high disease pressures.

Apply as a broadcast foliar spray in sufficient water for thorough coverage.

**Restrictions:** Do not apply sequential treatments of BRAVO 500 Fungicide tank mixed with QUADRIS Flowable Fungicide. DO NOT apply to potato plants later than 2 days before harvest.

Follow recommendations provided by local disease monitoring services or provincial spray calendars regarding the appropriate application timing for protectant fungicides in your area. Cultural practices such as canopy management and removal of overwintered plant debris should be integrated with the use of fungicides to reduce disease incidence. Use the higher rate, and the shorter application interval under conditions of heavy infection pressure, on highly susceptible varieties, or when environmental conditions are favourable for disease development.

Do not exceed more than 3 applications per hectare per season.  
A plant back interval of 30 days for potatoes (root crops) is required.

**DO NOT APPLY BY AIR**

<b>POTATOES – IN-FURROW APPLICATION</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>
<b>Soilborne Diseases:</b> Silver Scurf ( <i>Helminthosporium solani</i> )	4-6 mL product/100 m row	Apply once as an in furrow spray in 50 to 140 L per hectare of water at planting.  Mount the spray nozzle so the spray is directed into the furrow as a 15-20 cm band just before the seed is covered.
<b>Restrictions:</b> Do not apply within 90 days of harvest. A plant back interval of 30 days for potatoes (root crops) is required. <b>DO NOT APPLY BY AIR</b>		
<b><u>QUADRIS FLOWABLE FUNGICIDE TANK MIXED WITH RIDOMIL GOLD 480EC® FUNGICIDE</u></b>  QUADRIS Flowable Fungicide can be tank mixed with RIDOMIL GOLD 480EC Fungicide for the control of Rhizoctonia stem and stolon canker ( <i>Rhizoctonia spp.</i> ) and black scurf ( <i>Rhizoctonia solani</i> ) and the suppression of pink rot ( <i>Phytophthora erythroseptica</i> ) when applied as an in-furrow application on potatoes.  Apply QUADRIS Flowable Fungicide at a rate of 4 ml /100 m row in tank mix with RIDOMIL GOLD 480EC Fungicide at a rate of 4 ml /100 m row. Apply once as an in-furrow spray in 50 to 140 L per hectare of water at planting. Mount spray nozzle so the spray is directed into the furrow as a 15-20 cm band just before the seed is covered. <ul style="list-style-type: none"> <li>• Read all the labels and follow the precautionary statement, directions for use (rates, diseases controlled and application intervals) and other restrictions.</li> <li>• Always check the compatibility of QUADRIS Flowable Fungicide tank mix using a jar test with proportionate amounts of RIDOMIL GOLD 480EC Fungicide, and the water, before mixing in the spray tank.</li> <li>• Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.</li> <li>• Fill tank at least 1/2 full of clean water.</li> <li>• Add first QUADRIS Flowable Fungicide then RIDOMIL GOLD 480EC Fungicide next.</li> <li>• Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply in the same day.</li> </ul> Do not apply within 90 days of harvest. Do not apply more than one application per season.  A plant back interval of 30 days for potatoes (root crops) is required.		

<b>POTATOES</b>		
<b><u>QUADRIS FLOWABLE FUNGICIDE TANK MIXED WITH RIDOMIL GOLD 480SL FUNGICIDE (OR RIDOMIL GOLD 480EC FUNGICIDE) AND ACTARA® 240SC INSECTICIDE.</u></b>		
<b>PEST</b>	<b>PRODUCT USE RATE</b>	<b>NOTES</b>
Rhizoctonia stem and stolon canker	4-6 mL/100 m row QUADRIS Flowable Fungicide	Apply once as in-furrow spray in sufficient water to ensure good coverage.
Black scurf	+	
Pink rot (suppression only)	4 mL/100 m row RIDOMIL GOLD 480SL Fungicide (or 4 mL/100 m row RIDOMIL GOLD 480EC Fungicide)	Use the higher rate of QUADRIS Flowable Fungicide when the risk of disease is high.
Colorado potato beetle		
Potato leafhopper		Use the higher rate of ACTARA 240SC Insecticide for extended residual control.
Aphids - including green peach, potato, buckthorn, and foxglove aphid	+	
	3.4-4.4 mL/100m row ACTARA 240SC Insecticide	Mount spray nozzle so the spray is directed into the furrow as a 15-20 cm band just before the seed is covered
<b>Mixing Instructions:</b>		
<ol style="list-style-type: none"> <li>1. Fill tank at least 1/2 full of clean water.</li> <li>2. With the agitator running, add QUADRIS Flowable Fungicide and ACTARA 240SC Insecticide, followed by RIDOMIL GOLD 480SL Fungicide (or RIDOMIL GOLD 480EC Fungicide).</li> <li>3. Continue filling the spray tank with water until the desired volume is reached.</li> <li>4. Begin application of the solution after the products have completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.</li> </ol>		
<b>Precautions:</b>		
Read the labels for all products in the tank-mix and follow the precautionary statements, directions for use (rates, diseases controlled and application intervals) and other restrictions.		
Always check the compatibility of the QUADRIS Flowable Fungicide tank-mix using a jar test with proportionate amounts of RIDOMIL GOLD 480SL Fungicide (or RIDOMIL GOLD 480EC Fungicide), ACTARA 240SC Insecticide and water before mixing in the spray tank.		
Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.		
Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply in the same day.		
Do not follow a soil application of ACTARA 240SC Insecticide with a foliar application of ACTARA 25WG Insecticide.		
A plant back interval of 30 days for potatoes (root crops) is required.		
Do not apply within 90 days of harvest. Do not apply more than one application per season.		

<b>QUADRIS Flowable Fungicide Tank Mixed with TILT 250E FUNGICIDECEREALS – CROP GROUP 15</b>			
<b>CROPS</b>	<b>DISEASE</b>	<b>Product Rate (L/ha)</b>	<b>Application timing</b>
Barley	Barley net blotch ( <i>Pyrenophora teres</i> ) Barley scald ( <i>Rhynchosporium secalis</i> ) Barley leaf rust ( <i>Puccinia hordei</i> )	0.225 L/ha of QUADRIS Flowable Fungicide with 0.5 L/ha of TILT 250E Fungicide	Apply once between stem elongation and half-head emergence (BBCH Growth Stage 29-55).  Good spray coverage and canopy penetration are important for best results.
Wheat, barley	Septoria leaf spot ( <i>Septoria</i> sp.)  Tan spot ( <i>Pyrenophora tritici-repentis</i> )		
Winter wheat, spring wheat, and barley  Winter wheat and spring wheat	Stripe rust ( <i>Puccinia striiformis</i> )  Wheat leaf rust ( <i>Puccinia triticina</i> )	0.2-0.3 L/ha of QUADRIS Flowable Fungicide with 0.4-0.5 L/ha of TILT 250E Fungicide	
<p><b>Specific Use Restrictions:</b> Do not make more than one application per season of this tank mixture. An additional application of TILT 250E Fungicide can be made, if required. Refer to the TILT 250E Fungicide label for details of the rate and timing. A total of two applications of TILT 250E Fungicide should be applied per season either in a tank mix with QUADRIS Flowable Fungicide or alone. Do not apply within 45 days of harvest for grain and straw. Do not harvest wheat for forage. Do not graze or feed livestock treated forage or cut green crop for hay or silage. The tank mix of QUADRIS Flowable Fungicide and TILT 250E Fungicide may be applied with ground or air equipment. GROUND APPLICATION: Apply specified rates in a minimum of 100 L of water per hectare. AERIAL APPLICATION: Apply specified rates in a minimum of 45 L of water per hectare.</p>			

CROPS	DISEASE	Product Rate (L/ha)	Application Timing
Field Corn, Sweet Corn (including Seed Production), Popcorn (including Seed Production)	Rust ( <i>Puccinia sorghi</i> ) Northern Corn Leaf Blight ( <i>Setosphaeria turcicum</i> ) Southern Corn Leaf Blight ( <i>Cochliobolus heterostrophus</i> ) Eye Spot ( <i>Aureobasidium zeae</i> ) Grey Leafspot ( <i>Cercospora zeae-maydis</i> )	0.225 - 0.3 L/ha of QUADRIS Flowable Fungicide with 0.5 L/ha of TILT 250E Fungicide	Make first application at the first sign of disease, followed by a second application 14 days after the first, if environmental conditions are favourable for disease development. Good spray coverage and canopy penetration are important for best results. Use the low rate of QUADRIS under low to moderate disease pressure. Use the high rate of QUADRIS only under conditions of severe disease pressure.
<p><b>Specific Use Restrictions:</b> A maximum of two applications of QUADRIS Flowable Fungicide and a maximum of two applications of TILT 250E Fungicide should be applied per season either as a tank mix or as products applied alone. Do not apply to field corn and field corn grown for seed after brown silk. Do not apply within 30 days of harvest for forage. Do not apply to sweet corn within 14 days of harvest. Not all of these cereal crops have been tested for efficacy and phytotoxicity at the recommended label rates and the tank mix of QUADRIS Flowable Fungicide and TILT 250E Fungicide should be used at the discretion of the user. The tank mix of QUADRIS Flowable Fungicide and TILT 250E Fungicide may be applied with ground or air equipment.</p> <p>GROUND APPLICATION: Apply specified rates in a minimum of 100 L of water per hectare.</p> <p>AERIAL APPLICATION: Apply specified rates in a minimum of 45 L of water per hectare.</p>			

FIELD TOMATOES ONLY			
Diseases Controlled	Product Rate (mL/ha)	Application Timing	Notes
<b>Anthraxnose</b> ( <i>Colletotrichum coccodes</i> )	300 - 500	Apply on a 7 to 10 day interval, starting at first fruit set.	Apply as a broadcast foliar spray in sufficient water for thorough coverage.  Use the higher rate if extending the treatment interval to 14 days.
<b>Early Blight</b> ( <i>Alternaria solani</i> )	300 - 500	Apply on a 7 to 14 day interval, starting prior to disease establishment.	Apply in alternation with fungicides which have a different mode of action, and to which disease resistance has not developed.
<p><b>Restrictions:</b> Do not apply more than 1.5 L of QUADRIS Flowable Fungicide per hectare per crop per season. Do not exceed more than 3 applications of QUADRIS Flowable Fungicide per season. Do not apply sequential treatments of QUADRIS Flowable Fungicide. The PHI for application of QUADRIS Flowable Fungicide is 1 day. To avoid damage to tomatoes, QUADRIS Flowable Fungicide should not be applied within 6 days, either before or after, a broadcast application of metribuzin. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</p> <p>QUADRIS Flowable Fungicide should not be applied until 21 days after transplanting or 35 days after seeding.</p>			

**QUADRIS FLOWABLE FUNGICIDE TANK MIXED WITH MATADOR 120EC INSECTICIDE OR WARRIOR INSECTICIDE:**

SEED CORN, SWEET CORN AND FIELD CORN

QUADRIS Flowable Fungicide can be tank mixed with MATADOR 120EC Insecticide or WARRIOR Insecticide for common leaf rust (*Puccinia sorghi*) and insect control on seed, field and sweet corn. Apply QUADRIS Flowable Fungicide at a rate of 453 mL/ha in a tank mix with MATADOR 120EC Insecticide or WARRIOR Insecticide at a rate of 83mL/ha. Refer to QUADRIS Flowable Fungicide, MATADOR 120EC Insecticide and WARRIOR 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 QUADRIS Flowable Fungicide label, MATADOR 120EC insecticide label and WARRIOR Insecticide label.

The tank mix of QUADRIS Flowable Fungicide with MATADOR 120EC Insecticide can be applied by ground or air. The tank mix of QUADRIS Flowable Fungicide with WARRIOR Insecticide may be applied by ground only. Use 200 L of water per hectare when applying by ground. Use 45 L of water per hectare when apply by air.

This tank mix is not registered for use on popcorn.

Do not harvest treated corn within 14 days of this tank-mix.

Do not make more than 2 applications per year.

Compatibility should always be confirmed by premixing small proportional quantities of water, QUADRIS Flowable Fungicide and the tank-mix partners in advance.

**GROUND APPLICATION**

Do not apply QUADRIS Flowable Fungicide through irrigation equipment.

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) medium classification. Boom height must be 60 cm or less above the crop or ground. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. at least 100 litres per hectare). Higher water volumes may be necessary to provide adequate coverage in thick crop canopies.

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.

**AERIAL APPLICATION**

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) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan. Apply at least 45 litres of water per hectare.

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. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

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.

### **Operator 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.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom 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.

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-87-SYNGENTA (1-877-964-3682) or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum of 45 litres of water per hectare.

QUADRIS Flowable Fungicide is extremely phytotoxic to certain apple varieties. Avoid spray drift. Extreme care must be taken to prevent injury to apple trees (and apple fruit). DO NOT spray QUADRIS where spray drift may reach apple trees.

Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

The buffer zones specified in Table 1 above 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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Follow recommendations provided by local disease monitoring services or provincial spray calendars regarding the appropriate application timing for protectant fungicides in your area. Cultural practices such as canopy management and removal of overwintered plant debris should be integrated with the use of fungicides to reduce disease incidence. Use the higher rate, and the

shorter application interval under conditions of heavy infection pressure, on highly susceptible varieties, or when environmental conditions are favourable for disease development.

QUADRIS Flowable Fungicide treatments should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, plant residue management, crop rotation, and proper timing and placement of fertilizer and irrigation. Fungicide applications should begin prior to disease infection and continue throughout the season following a resistance management strategy (see **Resistance-Management Recommendations**).

**General Mixing Instructions:** Partially fill the spray tank with clean water and begin agitation. Add the specified amount of QUADRIS Flowable Fungicide to the tank. Finish filling the tank to the desired volume to obtain the required spray concentration, maintain agitation. Maintain agitation throughout the spraying operation. If the spray mixture is left to stand for a prolonged period (ie. overnight), vigorous agitation will be required to resuspend the fungicide.

### READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS

#### NOTE TO USER:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and crop tolerance (phytotoxicity) claims for this product when used on the crops listed below.

Accordingly, the User assumes all risks related to performance and crop tolerances arising, and agrees to hold Syngenta Crop Protection Canada, Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

SEED CORN		
DISEASE CONTROLLED	PRODUCT RATE (mL/ha)	APPLICATION TIMING
Rust ( <i>Puccinia sorghi</i> )	453	First application should begin prior to disease development and continue with the second application with 7-14 day interval.
<p><b>Restrictions:</b> Do not exceed more than 2 applications of QUADRIS Flowable Fungicide per season. Do not apply within 7 days of harvest.</p> <p><b>Ground application ONLY-</b> Apply in 200 litres of water per hectare.</p> <p>Do not apply QUADRIS Flowable Fungicide through irrigation equipment.</p> <p>Do not apply during periods of dead calm or when winds are gusty. Do not overspray non-target terrestrial or aquatic habitats. Do not contaminate aquatic habitats when cleaning and rinsing spray equipment or containers. Do not apply with spray droplets smaller than the ASAE medium classification.</p> <p>DO NOT APPLY BY AIR</p>		

<b>POTATO - in furrow application</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>
<b>Soilborne Diseases:</b> Rhizoctonia Stem ( <i>Rhizoctonia sp.</i> ) Rhizoctonia Stolon Canker ( <i>Rhizoctonia sp.</i> ) Black Scurf ( <i>Rhizoctonia solani</i> )	4-6 mL product/100 m row	Apply once as an in furrow spray in 50 to 140 L per hectare of water at planting. Mount the spray nozzle so the spray is directed into the furrow as a 15-20 cm band just before the seed is covered.
<b>Restrictions:</b> The PHI for application of QUADRIS Flowable Fungicide on potato is 90 days. A plant back interval of 30 days for potatoes (root crops) is required. <b>DO NOT APPLY BY AIR</b>		
<b>GINSENG</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>
<b>Rhizoctonia</b> ( <i>Rhizoctonia solani</i> )	<b>Newly seeded gardens:</b> 1.12 L product/ha	For best control of rhizoctonia ( <i>Rhizoctonia solani</i> ) on ginseng, apply QUADRIS Flowable Fungicide in 4000 L of water per hectare.  <b>Newly seeded gardens:</b> Maximum of two applications at the rate of 280 g a.i./ha in 4000 L water. One application in the fall (September/October) of the first growing year; apply after seedling prior to straw mulch application. Second application in the following spring; apply over straw mulch (pre-emergence).  An aquatic buffer zone is not required for the ginseng use (aquatic buffer zone 0 m).
<b>Restrictions: The pre-harvest interval (PHI) is 24 months.</b> <b>Ground application only.</b> <b>DO NOT</b> apply during periods of dead calm or when winds are gusty. Do not over-spray non-target terrestrial or aquatic habitats. Do not contaminate aquatic habitats when cleaning and rinsing spray equipment or containers.  <b>DO NOT</b> apply QUADRIS Flowable Fungicide through irrigation equipment. <b>DO NOT</b> apply QUADRIS Flowable Fungicide by air. <b>DO NOT</b> use the leaves for feed.		

<b>HAZELNUTS and FILBERTS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>
<b>Eastern filbert blight</b> ( <i>Anisogramma anomala</i> )	900 mL product/ha. Apply in 1000 L of water per hectare.	Apply at a 7-10 day interval prior to the disease development; from bud swell to bud break (approximately mid March to mid May). Do not apply more than four applications per season. Apply two sequential applications of QUADRIS Flowable Fungicide followed by two or more applications of fungicides with different modes of action registered for Eastern Filbert Blight.
<p><b>Restrictions:</b> The pre-harvest interval (PHI) is 45 days. DO NOT APPLY BY AIR</p> <p>(1) Do not apply during periods of dead calm or when winds are gusty. Do not overspray non-target terrestrial or aquatic habitats or contaminate when cleaning or rinsing spray equipment or containers.</p> <p>(2) <b>Airblast application:</b> Do not direct spray above plants to be treated and turn off outward pointing nozzles at row ends and outer rows. Do not apply when wind speed is greater than 16 km/hr at the application site as measured outside of the treatment area on the upwind side.</p> <p>(3) A buffer zone of 15 metres is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, Prairie potholes, creeks, marshes, streams, reservoirs and wetlands), and estuarine/marine habitats.</p>		
<b>SUGARBEETS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>
<b>Rhizoctonia root and crown rot</b> ( <i>Rhizoctonia solani</i> )	0.5 - 1.1 L product/ha (4 -6 mL / 100 m of row for in-furrow) in 50 - 100 L water/ha.	Apply once in-furrow at seeding or a banded application over the row soon after emergence but before the 6th leaf stage.
<p><b>Restrictions:</b> The pre-harvest interval (PHI) is 100 days. DO NOT APPLY BY AIR.</p> <p>(1) Do not apply QUADRIS Flowable Fungicide through irrigation equipment.</p> <p>(2) Do not apply during periods of dead calm or when winds are gusty. Do not overspray non-target terrestrial or aquatic habitats or contaminate when cleaning or rinsing spray equipment or containers.</p> <p>(3) Do not apply with spray droplets smaller than the ASAE medium classification. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. 50-100 litres per hectare).</p> <p>(4) A plant back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required.</p> <p>(5) Do not apply more than one application per year.</p>		

<b>CORIANDER (Plants Grown for Seed Only)</b>			
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>NOTES</b>	
<b>Blossom blight</b> ( <i>Aureobasidium</i> spp.)	453-1125 mL product/ha. Apply in a minimum of 100 L of water per hectare with ground boom sprayer.	Apply one application per season. Apply prior to disease establishment.  Use higher rate (1125 ml product/ha) at high disease pressure.	
<p><b>Restrictions:</b> The pre-harvest interval (PHI) is 21 days. DO NOT APPLY BY AIR. Do not use treated leaves for food.</p> <p>(1) Do not apply QUADRIS Flowable Fungicide through irrigation equipment.</p> <p>(2) Do not apply during periods of dead calm or when winds are gusty.</p> <p>(3) Do not apply with spray droplets smaller than the ASAE medium classification. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. at least 100 litres per hectare).</p>			
<b>FERNS OF ASPARAGUS</b>			
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>APPLICATION INTERVAL</b>	<b>NOTES</b>
<b>Purple Spot Disease</b> ( <i>Stemphylium vesicarium</i> )	453 – 1124 ml/ha in a minimum of 100 L of water/ha	7-14 days	Use the lower rate (453 ml product/ha) and the longer application interval (14 days) under low disease pressure and the higher rate (1124 ml product/ha) and the shorter interval (7 days) under high disease pressure.  Begin applications following the final harvest of asparagus spears, prior to disease development.  Maximum of 3 applications per crop season.
<p><b>Restrictions:</b> The pre-harvest interval (PHI) is 180 days. DO NOT APPLY BY AIR</p> <p>(1) Do not apply QUADRIS Flowable Fungicide through irrigation equipment.</p> <p>(2) Do not apply during periods of dead calm or when winds are gusty. Do not overspray non-target terrestrial or aquatic habitats. Do not contaminate aquatic habitats when cleaning and rinsing spray equipment or containers.</p> <p>(3) Do not apply with spray droplets smaller than the ASAE medium classification. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. at least 100 litres per hectare).</p> <p>(4) A buffer zone of 1 metre is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, Prairie potholes, creeks, marshes, streams, reservoirs and wetlands), and estuarine/ marine habitats.</p>			

**SPINACH**

<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>APPLICATION INTERVAL</b>	<b>NOTES</b>
<b>Downy Mildew</b> ( <i>Peronospora farinosa</i> f.sp. <i>spinaciae</i> )	1.125 L/ha (281 g ai/ha) mixed in sufficient water for thorough coverage	7 days	Begin applications prior to disease establishment and subsequently at a 7 day interval.  Apply a maximum of 2 applications per season.

**Restrictions:** The pre-harvest interval (PHI) is 7 days. DO NOT APPLY BY AIR

(1) Do not apply QUADRIIS Flowable Fungicide through irrigation equipment.

(2) Do not apply during periods of dead calm or when winds are gusty.

**(3) Do not apply with spray droplets smaller than the ASAE medium classification. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. at least 100 L/ha). Higher water volumes may be necessary to provide adequate coverage in thick crop canopies.**

**SWEET AND FIELD CORN**

<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>APPLICATION INTERVAL</b>	<b>NOTES</b>
<b>Rust</b> ( <i>Puccinia sorghi</i> )	453 mL product/ha in 200 L of water/ha.	7 – 14 days	Begin applications prior to disease establishment and subsequently at a 7 to 14 day interval.  Apply a maximum of 2 applications per season.

**Restrictions:** The pre-harvest interval (PHI) is 7 days. DO NOT APPLY BY AIR

(1) Do not apply during periods of dead calm or when winds are gusty. Do not overspray non-target terrestrial or aquatic habitats or contaminate when cleaning or rinsing spray equipment or containers.

(2) Do not direct spray above plants to be treated and turn off outward pointing nozzles at row ends and outer rows. Do not apply when wind speed is greater than 16 km/hr at the application site as measured outside of the treatment area on the upwind side.

<b>CARROTS, DAIKON, HORSERADISH, RUTABAGA, TURNIP and GARDEN BEET</b>			
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>APPLICATION TIMING</b>	<b>NOTES</b>
<b>Rhizoctonia root rot, crown rot and stem canker</b> ( <i>Rhizoctonia solani</i> )	4 – 6 mL of product /100 m row in 50 – 100 L water/ha	Apply either in-furrow at seeding or as a banded application over the row soon after emergence or within 30 days of emergence.  Use the higher rate when the weather conditions are expected to be conducive for disease development or if minimum or low till programs are in place.	Do not apply more than one application per year.  Do not apply within 40 days of harvest.  Banded applications come in contact with foliage and are counted as foliar applications when considering resistance management.
<b>RADISH</b>			
<b>Rhizoctonia root rot, crown rot and stem canker</b> ( <i>Rhizoctonia solani</i> )	4–6 mL of product /100 m row in 50 – 100 L water/ha	Apply either in-furrow at seeding or as a banded application over the row soon after emergence.  Use the higher rate when the weather conditions are expected to be conducive for disease development or if minimum or low till programs are in place.	Do not apply more than one application per year.  Do not apply within 15 days of harvest.  Banded applications come in contact with foliage and are counted as foliar applications when considering resistance management.
<b>Restrictions: DO NOT APPLY BY AIR.</b> Do not apply through irrigation equipment.			
(1) Do not apply during periods of dead calm or when winds are gusty. Do not over spray non-target terrestrial or aquatic habitats or contaminate when cleaning or rinsing spray equipment or containers.			
(2) Do not apply with spray droplets smaller than the ASAE medium classification. Apply using nozzle tips and in sufficient water volume for thorough coverage (i.e. 50-100 litres per hectare).			
(3) A plant back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required.			

<b>TOBACCO</b>			
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE</b>	<b>APPLICATION TIMING</b>	<b>NOTES</b>
<b>Blue mold</b> ( <i>Peronospora tabacina</i> )	870 mL product/ha	Begin applications prior to disease development or at the first indication that blue mold is in the area.  DO NOT apply QUADRIS Flowable Fungicide as a curative application.	DO NOT apply more than 2 applications per year for blue mold.  DO NOT apply more than 1 application per year for target spot.
<b>Target spot</b> ( <i>Rhizoctonia solani</i> )  (suppression only)	870 mL product/ha	Apply once in the spring or early summer.	Apply on a 7 to 14 day interval with shorter intervals under conditions conducive for disease development.  PHI 21 days.

**Restrictions:**

- (1) Apply by ground application.
- (2) Apply QUADRIS Flowable Fungicide in sufficient water volume for adequate coverage and canopy penetration.
- (3) DO NOT apply more than one application of QUADRIS Flowable Fungicide or other Group 11 fungicides before alternation with a fungicide that is not from Group 11.
- (4) QUADRIS may enhance weather flecking on the leaves of certain tobacco types. This does not affect yield and quality.
- (5) DO NOT tank mix with THIODAN. Tank mixing with insecticides formulated as ECs or containing high amounts of solvents may cause some crop injury.

<b>CHICKPEAS</b>				
<b>DISEASES CONTROLLED</b>	<b>PRODUCT</b>	<b>RATES (L/HA)</b>	<b>APPLICATION TIMING</b>	<b>NOTES</b>
<b>Aschochyta blight</b> ( <i>Ascochyta</i> spp.)	QUADRIS Flowable Fungicide + BRAVO 500 Agricultural Fungicide	0.5 + 2 – 4*	The first application must be applied before disease is established and no later than the onset of flowering.  A second application can be made 10-14 days after the first application, when disease pressure is severe or when agronomic or weather conditions are conducive to disease development.	Apply in 220 L of water per hectare.  Do not apply sequential treatments of BRAVO 500 Agricultural Fungicide tank mixed with QUADRIS Flowable Fungicide.  Follow recommendations provided by local disease monitoring services or provincial spray calendars regarding the appropriate application timing for protectant fungicides in your area.  Cultural practices such as canopy management and removal of overwintered plant debris should be integrated with the use of fungicides to reduce disease incidence.  Use the higher rate, and the shorter application interval under conditions of heavy infection pressure, on highly susceptible varieties, or when environmental conditions are favourable for disease development.

\* For the first application use 3 - 4 L/ha BRAVO 500 tank mixed with 0.5 L/ha QUADRIS Flowable Fungicide and for the second application use 2 - 3 L/ha BRAVO 500 tank mixed with 0.5 L/ha QUADRIS Flowable Fungicide

**Restrictions:**

- (1) Do not apply more than 2 applications of the tank mix per season.
- (2) A plant-back interval of 30 days for broadleaf and root crops, and of 45 days for cereals is required.
- (3) DO NOT APPLY BY AIR.

<b>GROUND CHERRIES</b>			
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE (ML/HA)</b>	<b>APPLICATION TIMING</b>	<b>NOTES</b>
<b>Early blight</b> ( <i>Alternaria solani</i> )	300 - 500	Begin applications prior to disease development.	Use sufficient water to provide thorough coverage as a ground application or a broadcast foliar spray.  Use the higher rate if extending the treatment interval to 14 days.  Allow 7 to 14 days between applications.  Apply up to three (3) applications per season.  Do not apply within one (1) day of harvest.  Apply in alternation with fungicides which have a different mode of action, and to which disease resistance has not developed.
<b>Restrictions:</b>			
<ol style="list-style-type: none"> <li>(1) Do not apply more than 1.5 L/ha per crop per season.</li> <li>(2) Do not apply sequential treatments of QUADRIS Flowable Fungicide.</li> <li>(3) QUADRIS Flowable Fungicide should not be applied within 6 days, either before or after, of a broadcast application of metribuzin.</li> <li>(4) Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program.</li> <li>(5) QUADRIS Flowable Fungicide should not be applied until 21 days after transplanting or 35 days after seeding.</li> </ol>			

### **Resistance-Management Recommendations**

For Resistance management, please note that QUADRIS Flowable Fungicide contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to QUADRIS Flowable Fungicide and other Group 11 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 QUADRIS Flowable Fungicide or other Group 11 fungicides with different groups that control the same pathogens.

Do not exceed the total number of applications of QUADRIS Flowable Fungicide per season per crop as stated in Table 2.

Do not apply sequential treatments of QUADRIS Flowable Fungicide, or other fungicides in the same Fungicide Group, in a season. Do not apply at rates lower than recommended on the label. Use tank mixtures with fungicides 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, to which pathogen resistance has not developed.

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.

**Table 2. Application Limitation and Preharvest Interval**

Crop	PHI Interval	Maximum number of applications per year
Canola	30 days	2
Legume Vegetables	15 days	2
Potatoes (Foliar application)	1 day	3
Potatoes (In-furrow application)	90 days	1
Tomatoes	1 day	3
Seed, Sweet and Field Corn	7 days	2
Ginseng	24 months	2
Hazelnuts and Filberts	45 days	4
Sugarbeets	100 days	1
Ferns of Asparagus	180 days	3
Coriander	21 days	1
Spinach	7 days	2
Carrot, Daikon, Horseradish, Rutabaga, Turnip and Garden Beet	40 days	1
Radish	15 days	1
Tobacco	21 days	1 (target spot); 2 (blue mold)
Chickpeas	48 days	2
Ground Cherries	1 day	3

For further information and to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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