

TRIVAPRO® Co-Pack is a combination of separately registered products comprised of TRIVAPRO A and TRIVAPRO B, A Solatenol® Brand Fungicide.

TRIVAPRO®, Solatenol® and the Syngenta wordmark are trademarks of a Syngenta Group Company.

GROUP 3 11 FUNGICIDES

TRIVAPRO® A Fungicide

COMMERCIAL

SUSPENSION

For Use in Controlling Diseases on Cereals, Corn and Soybean

ACTIVE INGREDIENTS:

Azoxystrobin	75	g/L
Propiconazole	. 125	g/L

Contains 1,2-benzisothiazolin-3-one at 0.029 to 0.031% OR 1,2-benzisothazolin-3-one at 0.04% and 2-bromo-2-nitropropane-1,3-diol at 0.03% OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00091% and 2-methyl-4-isothiazolin-3-one at 0.00030% and 2-bromo-2-nitropropane-1,3-diol at 0.03% as preservatives.

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



WARNING: EYE AND SKIN IRRITANT

REGISTRATION NO: **32184**PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L to 1000 L

Syngenta Canada Inc.

140 Research Lane, Research Park Guelph, Ontario N1G 4Z3 Telephone: 1-877-964-3682

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. 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.

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.

TOXICOLOGICAL INFORMATION

No specific symptoms of poisoning are known for this product. Treat symptomatically.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

HARMFUL IF SWALLOWED. Causes eye irritation. DO NOT get in eyes. May irritate the skin. Avoid contact with skin. Wash with soap and water after handling, and before eating, drinking or smoking. Remove clothing immediately if pesticide gets inside. Wash contaminated clothing, separately from household laundry, before re-use. Do not wear contaminated shoes. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long pants, a long sleeve shirt, shoes and socks and chemical-resistant gloves during mixing/loading, application, clean-up and repair activities. Wear protective goggles or face shield

when handling the concentrated product. The wearing of neoprene gloves by pilots when entering the aircraft is essential. Mechanical flagging devices must be used.

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.

DO NOT allow entry into treated area for 12 hours following application. See the **DIRECTIONS FOR USE** section for crop specific restricted entry intervals.

Application is limited to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas, taking 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 Syngenta Canada Inc. at 1-87-SYNGENTA/1-877-964-3682.

ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified 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.

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

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.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application sites such as hedgerows and woodland.

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. To prevent contamination store this product away from food or feed.

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 Canada Inc. (See EMERGENCY NUMBER) for further information.

<u>For spills and leaks</u> - 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 OR REFILLING:

For returnable containers:

DO NOT reuse this container for any other purpose. This empty container may be returned to the point of purchase (distributor/dealer) for disposal.

For refillable containers:

DO NOT reuse this container for any other purpose. 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.

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. Dispose of the rinsings in accordance with provincial requirements.
- 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)

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Pamphlet

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Avoid application when heavy rain is forecast.

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

PRODUCT INFORMATION

TRIVAPRO A Fungicide is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of important plant diseases in soybeans, corn and Crop Group 15 – Cereals. TRIVAPRO A Fungicide may be applied as a foliar spray in alternating spray programs or in tank mixes with other crop protection products. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

DO NOT apply TRIVAPRO A Fungicide through irrigation equipment.

DO NOT apply TRIVAPRO A Fungicide through any type of ultra-low volume (ULV) spray system (less than 30 litres per hectare).

DO NOT use in nurseries, greenhouses or landscape plantings.

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.

A restricted entry interval (REI) of 1 day is required for workers hand-harvesting and detasseling treated corn.

Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications.

ROTATIONAL CROP RESTRICTIONS

Please see the following table for the crop rotational restrictions:

Rotational Crops	Planting Time From Last Application of Azoxystrobin- and Propiconazole-containing Products
All crops with Azoxystrobin/Propiconazole registered uses	0 days
All other crops Intended for Food and Feed	105 days
Oats and rve	45 days

PHYTOTOXICITY

TRIVAPRO A Fungicide demonstrates some phytotoxic effects when mixed with products that are

formulated as Emulsifiable Concentrate. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone may contribute to phytotoxicity.

INTEGRATED PEST MANAGEMENT

TRIVAPRO A Fungicide should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The DIRECTIONS FOR USE section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural authorities for additional IPM strategies established for your area.

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 TRIVAPRO A 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 ½ 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 TRIVAPRO A Fungicide (SE) and agitate to ensure complete mixing.
- 4. Add any additional SC formulation mix partners and agitate to ensure complete mixing.
- 5. Add any EC formulation mix partners and agitate to ensure complete mixing.
- 6. Fill the tank to \(^3\)4 the required amount of water.
- 7. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
- 8. Finish filling the sprayer with water, maintaining good agitation.
- 9. After any break in spraying operations, agitate thoroughly before spraying again.
- 10. Spray the pesticide suspension the same day as mixing.
- 11. **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 TRIVAPRO A Fungicide, ensure that the spray tank, lines and filter are thoroughly

clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. DO NOT allow TRIVAPRO A 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:
 - 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

<u>Field sprayer application:</u> **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply spray droplets which are smaller than the American Society of Agricultural and Biological Engineers medium classification (ASABE Standard S-572.1). Boom height must be 60 cm or less above the crop or ground.

SPRAYING INSTRUCTIONS:

- 1. <u>Water Volume:</u> 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. <u>Sprayer Agitation</u>: Use a jet agitator or liquid sparge tub which recirculates 10% or more of the tank per minute. **DO NOT** use an air sparger.
- 3. <u>Pump:</u> Screens should be used to protect the pump and prevent clogging. Use 16 mesh or *coarser* screens on the suction side of the pump. **DO NOT** place a screen in the recirculation line. Use 50 mesh or *coarser* screens between the pump and boom.
- 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. Use 50 mesh nozzle screens. DO NOT use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
- 5. <u>Pressure:</u> As recommended by the nozzle manufacturer to achieve ASABE medium sized droplets.
- 6. 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 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 chemical resistant gloves, long-sleeved shirt and long pants, shoes and socks 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 TRIVAPRO A 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 or 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 ¼ to ½ 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 TRIVAPRO A Fungicide (SE) and any additional SE or SC formulations.
- 4. Thoroughly batch mix 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 TRIVAPRO A 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 TRIVAPRO A 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.

DO NOT apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

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 spray droplets which are smaller than the American Society of Agricultural and Biological Engineers medium classification (ASABE Standard S-572.1). The nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing or rotor span in order to reduce drift caused by turbulent wingtip vortices.

SPRAYING INSTRUCTIONS

- 1. <u>Water Volume:</u> 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 or coarse nozzles rated as delivering droplets of

- volume median diameter of 300 microns or greater.
- 3. <u>Pressure:</u> As recommended by the nozzle manufacturer to achieve ASABE coarse or 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 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.

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 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.

			Buffer Zones (metres) Required for the Protection of:					
Method of application Crop		Freshwater Habitat of Depths:			ne/Marine of Depths:	Terrestrial		
			Less Greater Less Greater than 1 m than 1 m than 1 m		habitat			
Field sprayer*	soybeans, corn, wheat, oats, barley, rye, triticale		1	0	1	1	1	
Aerial	corn, oats, wheat, Fixed wing		1	0	3	1	20	
barley, triticale		Rotary wing	1	0	1	1	20	

^{*}For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with coneshaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

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.

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:

SPRAY DRIFT MANAGEMENT

ATTENTION

TRIVAPRO A Fungicide is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit). DO NOT spray TRIVAPRO A Fungicide where spray drift may reach apple trees.

AVOID spraying when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc.

DO NOT use spray equipment which has been previously used to apply TRIVAPRO A Fungicide to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

USE DIRECTIONS

Soybeans

Ooybcans	
SOYBEANS	
DISEASE	Asian (Soybean) Rust (Phakopsora pachyrhizi)
PRODUCT RATE (L/ha)	1.0 - 1.5
APPLICATION TIMING	Make the first application of TRIVAPRO A Fungicide 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.
DISEASE	Powdery Mildew (Microsphaera diffusa, Erysiphe pisi, E. polygoni)
PRODUCT RATE (L/ha)	1.0
APPLICATION TIMING	Make the first application of TRIVAPRO A Fungicide at the first sign of disease. A second application at 14 days interval may be needed if conditions persist. Good spray coverage and canopy penetration are important for best results. Apply in a minimum of 45 L of water per hectare.

DISEASE	Anthracnose (Colletotrichum truncatum)
PRODUCT RATE (L/ha)	1.0 - 1.5
APPLICATION TIMING	The first application must be applied before disease is established and no later than the onset of flowering. Make the first application of TRIVAPRO A Fungicide 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.
DISEASE	Frogeye Leaf Spot (Cercospora sojina)
PRODUCT RATE (L/ha)	1.0 - 1.5
APPLICATION TIMING	Make the first application of TRIVAPRO A Fungicide at growth stage R3 (early pod set) and 14 days later at approximately growth stage R5.
DISEASE SUPPRESSED	White mold (Sclerotinia sclerotiorum)
PRODUCT RATE (L/ha)	1.5
APPLICATION TIMING	Begin applications at the R1 (early bloom) to R2 (full bloom) stage of development and, if needed, again 10- to 14-days later at early pod formation (R3). Apply in sufficient water to obtain adequate coverage of foliage. Spray volumes to be used vary with amount of plant growth. For best performance use spray volumes that range from 200 to 600 litres per hectare depending on plant growth.

Restrictions:

- 1. APPLY A MAXIMUM OF 2 APPLICATIONS OF TRIVAPRO A FUNGICIDE PER SEASON.
- 2. Do not apply within 30 days of harvest for soybeans. Do not apply within 15 days of harvest for crop subgroup 6A (edible podded legume vegetables).
- 3. Do not make more than one application to soybean hay. Do not apply within 14 days of harvest of soybean hay.
- 4. Not all members of the legume vegetable group have been tested for efficacy and phytotoxicity at the recommended label rates and TRIVAPRO A Fungicide should be used at the discretion of the user. TRIVAPRO A Fungicide may be applied by air or ground application equipment. TRIVAPRO A is most effective when applied and allowed to dry before a rainfall.

CEREALS	
CROPS	Barley
DISEASE	Barley net blotch (<i>Pyrenophora teres</i>)
PRODUCT RATE (L/ha)	0.5* - 1.0
APPLICATION TIMING	At first sign of disease starting at the two leaf stage (G.S. 12- 23) Where a rate range is indicated, use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development.
CROPS	Wheat
DISEASE	Tan spot (Pyrenophora tritici-repentis), Septoria leaf spot (Septoria sp.)
PRODUCT RATE (L/ha)	0.5* - 1.0
APPLICATION TIMING	At first sign of disease starting at the two leaf stage (G.S. 12-23) Where a rate range is indicated, use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development.
CROPS	Barley, Oats
DISEASE	Barley net blotch (<i>Pyrenophora teres</i>)
PRODUCT RATE (L/ha)	0.75
APPLICATION TIMING	Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results.
CROPS	Barley, Rye
01(01 0	barrey, Nye
DISEASE	Barley scald (Rhynchosporium secalis)
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DISEASE PRODUCT RATE (L/ha)	Barley scald (<i>Rhynchosporium secalis</i>) 0.75 Apply once between stem elongation and half-head emergence (G.S. 29-55).
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DISEASE PRODUCT RATE (L/ha) APPLICATION TIMING CROPS DISEASE	Barley scald (<i>Rhynchosporium secalis</i>) 0.75 Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results. Barley Barley leaf rust (<i>Puccinia hordei</i>)
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DISEASE PRODUCT RATE (L/ha) APPLICATION TIMING CROPS DISEASE PRODUCT RATE (L/ha) APPLICATION TIMING CROPS DISEASE PRODUCT RATE (L/ha)	Barley scald (<i>Rhynchosporium secalis</i>) 0.75 Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results. Barley Barley leaf rust (<i>Puccinia hordei</i>) 1.0 Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results. Wheat, Barley, Rye, Oats, Triticale Septoria leaf spot (<i>Septoria</i> sp.) 0.75 Apply once between stem elongation and half-head emergence (G.S. 29-55).
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CEREALS	
CROPS	Wheat, Barley, Rye
DISEASE	Stripe rust (Puccinia striiformis)
PRODUCT RATE (L/ha)	0.75 - 1.0
APPLICATION TIMING	Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results. Where a rate range is indicated, use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development.
CROPS	Wheat
DISEASE	Wheat leaf rust (Puccinia triticina)
PRODUCT RATE (L/ha)	0.75 - 1.0
APPLICATION TIMING	Apply once between stem elongation and half-head emergence (G.S. 29-55). Good spray coverage and canopy penetration are important for best results. Where a rate range is indicated, use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development.
CROPS	Oats
DISEASE	Crown Rust (Puccinia coronata var. avenae)
PRODUCT RATE (L/ha)	0.75 - 1.0
APPLICATION TIMING	Apply once between stem elongation and half-head emergence. Good spray coverage and canopy penetration are important for best results. Where a rate range is indicated, use the higher rate if there is a history of high disease pressures in the field and/or field conditions favour disease development.

^{*}Suppression only at rates less than 0.75 L/ha

Specific Use Restrictions: DO NOT make more than two applications per season. DO NOT apply within 45 days of harvest for grain and straw (45 day PHI). DO NOT make more than one application for forage and hay. DO NOT harvest within 30 days for forage and hay (30 day PHI). Not all of these cereal crops have been tested for efficacy and phytotoxicity at the recommended label rates and TRIVAPRO A Fungicide should be used at the discretion of the user. TRIVAPRO A Fungicide may be applied by air or ground equipment. Under certain environmental conditions, tank mixes of TRIVAPRO A plus herbicides (especially those containing bromoxynil) and/or fertilizers may cause crop injury.

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.

CORN	
CROPS	Field corn, Sweet corn (including Seed Production), Popcorn (including Seed Production)
DISEASES	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 Leaf Spot (<i>Cercospora zeae-maydis</i>)
PRODUCT RATE (L/ha)	0.75 - 1
APPLICATION TIMING	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 under low to moderate disease pressure. Use the high rate only under conditions of severe disease pressure.
DISEASES SUPPRESSED	Anthracnose Leaf Blight (Colletotrichum graminicola)
PRODUCT RATE (L/ha)	1
APPLICATION TIMING	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.

Specific Use Restrictions:

- 1. DO NOT apply within 14 days for grain (14 day PHI).
- 2. DO NOT apply within 30 days of harvest for forage (30 day PHI).
- 3. DO NOT apply to sweet corn within 14 days of harvest (14 day PHI).
- 4. DO NOT apply more than two applications of TRIVAPRO A Fungicide per season.
- 5. TRIVAPRO A Fungicide may be applied by air or ground 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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For Resistance Management, please note that TRIVAPRO A Fungicide is a mixture of Group 3 (propiconazole) and Group 11 (azoxystrobin) fungicides. TRIVAPRO A Fungicide has two modes of action: (1) DMI (Demethylation Inhibitor of sterol biosynthesis) [Group 3], and (2) inhibitor of the Qo (quinone outside) site within the electron transport system (QoI) as well as disrupting membrane synthesis by blocking demethylation [Group 11]. Any fungal population may contain individuals naturally resistant to TRIVAPRO A Fungicide and other Group 3 or 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:

DO NOT exceed the total number of applications of TRIVAPRO A Fungicide per season per crop as stated in label.

Follow the specific crop recommendations that limit the total number of sprays on a crop and the required alternations with fungicides from other resistance management groups.

In situations requiring multiple sprays, develop season long spray programs for Group 11 (Qol) fungicides. The program should meet the goal of no more than 1/3 of the total sprays per season, when a Group 11 fungicide is used as a solo product, or 1/2 the total sprays when a Group 11 fungicide is used in a mixture. Programs that include both solo Group 11 products and/or mixes containing Group 11 products should be no more than 1/2 the total sprays.

Where possible, rotate the use of TRIVAPRO A Fungicide or other Group 3 and 11 fungicides with different fungicide groups that control the same pathogens.

DO NOT apply sequential treatments of TRIVAPRO A 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 host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications.

Monitor treated fungal populations for sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to TRIVAPRO A 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, 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 pathogens.

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

Application Limitation and Preharvest Interval (PHI) Summary

Сгор	PHI Interval	Maximum number of applications per year
Soybeans	30 days	2
Succulent podded and shelled legume vegetables	15 days	2
Soybean hay	14 days	1
Grain & Straw: wheat, barley, oats, triticale, rye	45 days	2
Forage and Hay: wheat, barley, oats, triticale, rye	30 days	1
Forage: corn	30 days	2
Field corn, sweet corn (including seed production), popcorn (including seed production)	14 days	2

TRIVAPRO® is a trademark of a Syngenta Group Company.

GROUP 7 FUNGICIDE

TRIVAPRO® B Fungicide SOLATENOL® technology

EMULSIFIABLE CONCENTRATE

COMMERCIAL - AGRICULTURAL

Fungicide for control or suppression of certain broad-spectrum diseases in Cereals, Corn, and Soybean

ACTIVE INGREDIENT:

Benzovindiflupyr......100 g/L

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



POISON
DANGER: CORROSIVE TO EYES & SKIN

REGISTRATION NO: 32185

PEST CONTROL PRODUCTS ACT

NET CONTENTS: 0.5 - 1000 L

Syngenta Canada Inc.

140 Research Lane, Research Park Guelph, Ontario N1G 4Z3 Telephone: 1-877-964-3682

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. 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. 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 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. Treat symptomatically. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

PRECAUTIONS

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

CORROSIVE to the eye. DO NOT get in eyes. Causes irreversible eye damage. Harmful or fatal if swallowed. Harmful if inhaled. Avoid inhaling/breathing sprays. Severely irritating to the skin. DO NOT get on skin.

With the exception of grapes, **DO NOT** re-enter treated fields for 12 hours after application (12 hr REI). For cane turning and girdling in grapes, do not re-enter the treated area for 4 days. For all other activities in grapes, do not enter the treated areas for 12 hours.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over a long-sleeved shirt, long pants, chemical resistant gloves, socks, chemical-resistant footwear and protective eyewear (goggles or face shield) during mixing, loading, application, clean up and repair. Protective eyewear, chemical resistant gloves and coveralls are not required during application within a closed cab and/or cockpit.

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.

Apply only when the potential for drift to areas of human habitation or 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.

ENVIRONMENTAL PRECAUTIONS

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

Benzovindiflupyr is persistent and may carryover. It is recommended that any products containing benzovindiflupyr not be used in areas treated with this product 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.

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. To prevent contamination store this product away from food or feed.

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 cleanup of spills.

For returnable containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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.

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)

TRIVAPRO® and SOLATENOL® are trademarks of their respective companies.

GROUP 7 FUNGICIDE

TRIVAPRO® B Fungicide SOLATENOL® technologyt

FUNGICIDE

EMULSIFIABLE CONCENTRATE

COMMERCIAL - AGRICULTURAL

Fungicide for control or suppression of certain broad-spectrum diseases in Cereals, Corn, and Soybean

ACTIVE INGREDIENT:

Benzovindiflupyr......100 g/L

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



DANGER: CORROSIVE TO EYES & SKIN

REGISTRATION NO: **32185**PEST CONTROL PRODUCTS ACT

Syngenta 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

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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 treatment advice.

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TOXICOLOGICAL INFORMATION

There is no specific antidote. Treat symptomatically. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

PRECAUTIONS

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If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

Wear coveralls over a long-sleeved shirt, long pants, chemical resistant gloves, socks, chemical-resistant footwear and protective eyewear (goggles or face shield) during mixing, loading, application, clean up and repair. Protective eyewear, chemical resistant gloves and coveralls are not required during application within a closed cab and/or cockpit.

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.

Apply only when the potential for drift to areas of human habitation or 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.

ENVIRONMENTAL PRECAUTIONS

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

Benzovindiflupyr is persistent and may carryover. It is recommended that any products containing benzovindiflupyr not be used in areas treated with this product 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.

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. To prevent contamination store this product away from food or feed.

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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
- 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)

GENERAL INFORMATION

TRIVAPRO® B Fungicide is a broad-spectrum product and is recommended for the control or suppression of many important plant diseases. TRIVAPRO B Fungicide provides disease control of many rust, leaf spots and powdery mildews. TRIVAPRO B Fungicide is primarily applied as a foliar spray and can be used in block, or alternating spray programs with other crop protection products. All applications should be made according to the use directions listed in the label.

General Use Precautions

Do not apply TRIVAPRO B Fungicide through any type of irrigation equipment.

DO NOT USE IN GREENHOUSES (ALONE OR IN TANK MIXTURES).

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

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

Unless indicated otherwise in the use directions for specific crops, make no more than two sequential application of TRIVAPRO B Fungicide before alternating with a non-Group 7 fungicide registered for the same disease.

Not all members of the crop groups have been tested for efficacy and phytotoxicity at the recommended label rates, and should be used at the discretion of the user.

ROTATIONAL CROP RESTRICTIONS

Please see the following table for the crop rotational restrictions:

Rotational Crops	Planting Time From Last TRIVAPRO B Fungicide Application		
Potatoes and tuberous and corm vegetable subgroup (CG 1C) Dried shelled pea and bean subgroup (CG 6C) Soybeans Fruiting vegetables crop group (CG 8-09) Cucurbit vegetables crop group (CG 9) Cereals (wheat, barley, oats, rye, triticale) Corn (field, sweet, pop and specialty) Rapeseed subgroup (CG 20A)	0 days		
All other crops Intended for Food and Feed	6 months/180 days		

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 wastes.

SPRAY EQUIPMENT

Thorough coverage is necessary to provide good disease control. Applications using nozzles, sufficient water volume and pressure to provide thorough and uniform coverage generally provide the most effective disease control.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as crop injury may occur.

For more information on spray equipment and calibration, consult sprayer manufacturers and provincial recommendations.

<u>Field sprayer application</u>: **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) medium classification. Boom height must be 60 cm or less above the crop or ground.

<u>Aerial application</u>: **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. 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.

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 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.

TRIVAPRO B Buffer Zone Table 1

Method of application	Crop Buffer Zones (metres) Required for the Protect					ection of:	
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	soybeans, wheat, barley, oats, rye, triticale, corn (field, sweet, pop and specialty)		10	1	1	1	1
Aerial	soybeans, wheat, barley, oats, rye,	Fixed wing	675	15	5	1	15
	triticale, corn (field, sweet, pop and specialty)	Rotary wing	325	10	2	1	10

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.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

MIXING PROCEDURES

Prepare only the amount of spray mixture that is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

- TRIVAPRO B Fungicide is an emulsifiable concentrate (EC) formulation.
- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

TRIVAPRO B Fungicide Alone (No Tank Mix)

• Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.

- With the agitator running, add TRIVAPRO B Fungicide to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after TRIVAPRO B Fungicide has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

TRIVAPRO B Fungicide + Tank Mixtures: TRIVAPRO B Fungicide is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of TRIVAPRO B Fungicide with other products, use a jar test. Using a jar, add the products to water in the same ratio and order as planned in the spray tank. Add wettable powders and water dispersible granular products first, then liquid flowables, then emulsifiable concentrates and solutions last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same order of addition required ingredients to the spray tank.

Tank Mixtures: All directions for use, crops/sites, use rates, dilution rates, precautions, and limitations which appear on the tank-mix product label must be observed. The label dosage for the tank-mix partner is not to be exceeded, and the most restrictive label precautions and limitations are to be followed.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Syngenta Canada Inc.

Mixing in the Spray Tank

- Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as
 described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and TRIVAPRO B Fungicide to the spray tank.
- Allow TRIVAPRO B Fungicide to completely disperse.
- Spray the mixture with the agitator running.

GROUND APPLICATION

- Apply in a minimum of 150 L of water per hectare, unless specified otherwise.
- Do not apply through any ultra-low volume (ULV) spray system.
- Thorough coverage is necessary to provide good disease control.

<u>Field sprayer application</u>: **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.

AERIAL APPLICATION

• Use only on crops where air applications are indicated.

- Thorough coverage is necessary to provide good disease control.
- Apply in a minimum of 45 L of water per hectare unless specified otherwise.
- Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- Do not apply directly to humans or animals.
- Do not apply through any ultra-low volume (ULV) spray system.

<u>Aerial application</u>: **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 wingor 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

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.

TRIVAPRO B 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**).

DIRECTIONS FOR USE

SOYBEANS				
Diseases controlled at 300-750 mL product/ha	Asian soybean rust (Phakopsora pachyrhizi)			
Diseases controlled at 500-750 mL product/ha	Septoria brown spot (Septoria glycines)			
Diseases suppressed at 500-750 mL product/ha	Frogeye leaf spot (Cercospora sojina) Pod and stem blight (Diaporthe phaseolorum)			
Application Timing/Instructions	Make the first application prior to disease establishment. A second application can be made 7-14 days after the first application, when disease pressure is severe or when agronomic or weather conditions are conducive to disease development or movement. 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 spray volume of 100-200 L/ha for ground applications is recommended. For aerial applications, a minimum of 45 L/ha of water is recommended.			
Specific Use Restrictions	 Do not apply more than 1.5 L/ha/season of TRIVAPRO B Fungicide. Do not apply within 14 days of harvest for soybean grain (14-day PHI). Soybean forage and hay may be fed or harvested 1 day (1-day PHI) after last application. For best management practices when applying TRIVAPRO B Fungicide to soybean, apply in tank-mix or pre-mix with another fungicide from a different mode of action group that controls the same pathogen. Apply a maximum of two TRIVAPRO B Fungicide or other SDHI containing sprays per soybean crop. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program. 			

CEREALS				
Crops	Wheat			
Diseases controlled at 300-750 mL product/ha	Stem rust (Puccinia graminis) Leaf rust (P. recondita) Stripe rust (P. striiformis)			
Diseases controlled at 500-750 mL product/ha	Septoria leaf blotch (Septoria tritici) Tan spot (Pyrenophora tritici-repentis) Powdery mildew (Erysiphe graminis)			
Crops	Barley			
Diseases suppressed at 300 mL product/ha	Net blotch (<i>Drechslera teres</i>) Barley scald (<i>Rhynchosporium secalis</i>) – Under low disease pressure only.			
Diseases controlled at 300-750 mL product/ha	Leaf rust (Puccinia hordei) Stem rust (P. graminis) Crown rust (P. coronata) Stripe rust (P. striiformis)			
Diseases controlled at 500-750 mL product/ha	Septoria leaf blotch (Septoria tritici) Tan spot (Pyrenophora tritici-repentis) Net blotch (Drechslera teres) Barley scald (Rhynchosporium secalis) Powdery mildew (Erysiphe graminis)			
Crops	Rye			
Diseases controlled at 300-750 mL product/ha	Stem rust (P. graminis) Stripe rust (P. striiformis) Leaf rust (Puccinia recondita)			
Diseases controlled at 500-750 mL product/ha	Septoria leaf blotch (Septoria tritici) Tan spot (Pyrenophora tritici-repentis) Powdery mildew (Erysiphe graminis)			
Crops	Oats			
Diseases suppressed at 300 mL product/ha	Net blotch (Drechslera teres) Scald (Rhynchosporium secalis) – Under low disease pressure only.			
Diseases controlled at 300-750 mL product/ha	Stem rust (Puccinia graminis) Crown rust (P. coronata) Leaf rust (P. recondita)			
Diseases controlled at 500-750 mL product/ha	Septoria leaf blotch (Septoria tritici) Net blotch (Drechslera teres) Scald (Rhynchosporium secalis) Powdery mildew (Erysiphe graminis)			
Crops	Triticale			
Diseases controlled at 300-750 mL product/ha	Leaf rust (P. recondita)			
Diseases controlled at 500-750 mL product/ha	Septoria leaf spot (Septoria tritici) Tan spot (Pyrenophora tritici-repentis) Net blotch (Drechslera teres) Scald (Rhynchosporium secalis) Powdery mildew (Erysiphe graminis)			

CEREALS						
Application Timing/Instructions	Apply TRIVAPRO B Fungicide prior to disease development. Make applications no closer than 14 days apart.					
	For early disease suppression, apply at beginning of tillering to stem elongatio (BBCH 21-30 or Feekes 2-4), typically when herbicide treatments are applied					
	For disease control or suppression on the stem or leaves, apply at beginning of stem elongation to the end of flowering (BBCH 29-70 or Feekes 4-10.5.4). If disease pressure is high, use the highest rate. A minimum spray volume of 100 L/ha for ground applications is recommended. For aerial applications, a minimum of 45 L/ha of water is recommended.					
Specific Use Restrictions	 Do not apply more than 1.5 L/ha/season of TRIVAPRO B Fungicide. For best management practices when applying TRIVAPRO B Fungicide to cereal crops, apply in tank-mix or pre-mix with another fungicide from a different mode of action group that controls the same pathogen. Do not apply more than a total of 2 Group 7 applications per season on cereals. Do not apply after Feekes 10.5.4 or BBCH 70 (full flower). Forage and hay may be fed or harvested 7 days (7-day PHI) after last application. 					

CORN (FIELD, SWEET, POPCORN AND SPECIALTY INCLUDING ALL CULTIVARS AND/OR HYBRIDS OF THESE, INCLUDING SEED PRODUCTION)					
Diseases controlled at 300-750 mL product/ha	Rust (Puccinia sorghi)				
Diseases controlled at 500-750 mL product/ha	Grey leaf spot (Cercospora zeae-maydis)				
Application Timing/Instructions	Begin applications prior to disease onset when conditions are conducive for disease. Make applications no closer than 7 days apart. A minimum spray volume of 200 L/ha for ground applications is recommended. For aerial applications, a minimum of 45 L/ha of water is recommended.				
Specific Use Restrictions	 Do not apply more than 1.5 L/ha/season of TRIVAPRO B Fungicide. Do not apply within 7 days of harvest for corn grain and sweet corn (7 day-PHI). Forage may be fed or harvested 7 days (7-day PHI) after last application. Do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. Follow all precautions, restrictions and directions on the labels of fungicide products used in an alternation program. 				

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, TRIVAPRO B Fungicide contains a Group 7 fungicide in the succinyl dehydrogenase inhibitor (SDHI) class. Any fungal population may contain individuals naturally resistant to benzovindiflupyr and other Group 7 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 benzovindiflupyr or other Group 7 fungicides with different groups that control the same pathogens.

Apply no more than 2 sequential applications unless otherwise stated in the crop section.

DO NOT apply at rates lower than recommended on the label.

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 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 effectively time fungicide applications.

Monitor treated fungal populations for sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of the pathogen to TRIVAPRO B 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, 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 pathogens.

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

Table 2. Application Limitations and Pre-harvest Intervals

Crop*	Maximum Product Rate/ha/application (mL/ha)	Maximum total (L/ha/ Season)	Pre-Harvest Interval (PHI) (days)	Minimum Re- treatment Interval (days)
Soybeans	750	1.5	14	7
Soybean forage and hay	750	1.5	1	7
Cereals	750	1.5	FK 10.5.4	14
Cereal forage and hay	750	1.5	7	14
Corn	750	1.5	7	7
Corn forage	750	1.5	7	7
Sweet corn	750	1.5	7	7

^{*}For specific crops in a group and use directions, refer to the Specific Directions For Use.

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