

GROUP	<b>3</b>	FUNGICIDE
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## **INSPIRE™ Fungicide**

### **FUNGICIDE**

### **EMULSIFIABLE CONCENTRATE**

### **AGRICULTURAL**

Fungicide for control or suppression of listed diseases on brassica (cole) vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, pome fruit, grapes, potatoes, Chinese artichokes, Jerusalem artichokes, edible canna, chufa, sweet potatoes, and sugar beets.

### **GUARANTEE:**

Difenoconazole ..... 250 g/L

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

**WARNING – EYE IRRITANT**

REGISTRATION NO.: **30004**  
PEST CONTROL PRODUCTS ACT

**NET CONTENTS: 1L - 1000L**

**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.

## PRECAUTIONS

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

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

With the exception of *Brassica*, grapes and Pome fruit, do not re-enter treated areas until 12 hours after treatment. For *Brassica*, do not re-enter treated areas for 3 days for hand harvesting and irrigation, and do not re-enter treated areas for 1 day for scouting. For all other activities in *Brassica* (e.g. hand weeding), do not enter the treated areas for 12 hours. For grapes, do not re-enter treated areas for 10 days for cane turning and vine girdling. For all other post-application activities in grapes (e.g., training, thinning, hand pruning, tying, and leaf pulling), do not enter the treated areas for 2 days. For Pome fruit, do not re-enter treated areas for 4 days for hand thinning activities. For all other activities in Pome fruit (e.g. hand pruning, propping, training), do not enter the treated areas for 12 hours. Workers shall be given oral warning of the re-entry interval.

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).

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

## Personal Protective Equipment

During mixing, loading, application, clean-up and repair, wear chemical-resistant gloves, protective eyewear, long-sleeved shirt and long pants and socks and shoes. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

## FIRST AID

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes**, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

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

## **ENVIRONMENTAL HAZARDS**

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms and non-target terrestrial plants.

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

Difenoconazole is persistent and may carryover. It is recommended that any products containing difenoconazole 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.

Provincial buffer zones must be observed.

Do not apply this product through any type of irrigation system.

## **STORAGE**

**STORE IN A COOL, DRY PLACE. Do not store food, beverages or tobacco products in storage area.**

## **DECONTAMINATION AND DISPOSAL**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

### **CONTAINER DISPOSAL OR REFILLING:**

#### **FOR DISPOSAL OF PLASTIC JUGS:**

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

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

#### **FOR REFILLABLE CONTAINERS:**

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

***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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## Personal Protective Equipment

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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.

Provincial buffer zones must be observed.

Do not apply this product through any type of irrigation system.

## **STORAGE**

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CALL 1-800-327-8633 (FASTMED)***

## **GENERAL INFORMATION**

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

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

### **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.

## **GENERAL USE DIRECTIONS**

### **GROUND SPRAYER APPLICATION**

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 ASAE fine classification. Boom height must be 60 cm or less above the crop or ground.

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

### **AERIAL APPLICATION**

#### **Instruction for 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. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

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

#### **Use Precautions**

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.

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.

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 wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

## **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 label recommendations for ground application and when tank-mixing with other products.

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:

Apply in at least 45 litres of water per hectare.

Avoid spraying when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

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. DO NOT allow nozzle spacing to exceed 65% of boom length.

DO NOT overspray non-target terrestrial or aquatic habitats. DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries or marine habitats. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## **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.

Method of application	Crop		Buffer Zones (metres) Required for the Protection 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*	Brassica vegetables, bulb vegetables, cucurbits, fruiting vegetables, potatoes, Chinese artichoke, Jerusalem artichoke, edible canna, sweet potato and sugar beets		3	1	1	1	1
Airblast	Pome fruit, grapes	Early growth stage	25	4	15	5	3
		Late growth stage	15	2	5	3	2
Aerial	Potatoes	Fixed-wing	30	1	10	3	1
		Rotary-wing	25	1	10	1	1

\* 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 cone-shaped 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.

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.

Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha for ground applications and 45 L/ha for aerial applications are recommended.

### **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. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

### **INSPIRE Fungicide Alone**

1. Add  $\frac{1}{2}$ - $\frac{2}{3}$  of the required amount of water to the spray or mixing tank.
2. With the agitator running, add INSPIRE Fungicide to the tank.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the spray solution after INSPIRE Fungicide has completely dispersed into the mix water.
5. Maintain agitation until all of the mixture has been sprayed.

### **INSPIRE Fungicide + Tank Mixtures**

INSPIRE Fungicide is usually compatible with all tank-mix partners. To determine the physical compatibility of INSPIRE Fungicide with other products, use a jar test. Using a jar, add proportionate amounts of the products and water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates 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 procedure for adding required ingredients to the spray tank.

### **Mixing in the Spray Tank**

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

4. Allow INSPIRE Fungicide to completely disperse.
5. Spray the mixture with the agitator running.
6. Observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label.
7. Label dosage rate must not be exceeded, and the most restrictive label precautions and limitations must be followed.
8. This product must not be mixed with any product which prohibits such mixing.

#### Rotational Crop Restrictions:

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

#### DIRECTIONS FOR USE

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

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

#### NOT FOR USE IN GREENHOUSES.

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

**INSPIRE Fungicide Tank Mixed with BRAVO® 500 or BRAVO 720 Fungicide For Use on Broccoli, Brussels Sprouts, Cabbage and Cauliflower**

INSPIRE Fungicide can be tank mixed with BRAVO 500 or BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with MATADOR® 120EC for Use on Broccoli, Brussels Sprouts, Cabbage and Cauliflower**

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

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

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

Do not apply within 3 days of harvest for broccoli, Brussels sprouts and cauliflower (3 day PHI).

DO NOT APPLY BY AIR.

<b>Crop</b>	<b>Bulb Vegetables</b> Dry bulb: Onions, bulb; Garlic; Garlic, great-headed (elephant); Shallot Green Onion: Green onions; Leek; Welch onion
<b>Target Diseases</b>	Purple blotch ( <i>Alternaria porri</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	364 – 512 (91 – 128)
<b>Remarks</b>	Begin applications prior to disease onset when conditions are conducive for disease. Apply INSPIRE Fungicide on a 7-10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.
<b>Specific Use Restrictions:</b> 1) For green onions, do not apply more than 1.53 L/ha (384 g ai/ha) of INSPIRE Fungicide per crop per season. 2) For dry bulb onions, do not apply more than 2.04 L/ha (512 g ai/ha) per crop per season. 3) Do not apply within 7 days of harvest (7 day PHI). 4) DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with REVUS Fungicide for Use on Dry Bulb and Green Onion</u></b> INSPIRE Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. For green onions do not make more than 4 applications of this tank mix per season if using the low rate of INSPIRE Fungicide and 3 applications if using the high rate of INSPIRE Fungicide. For dry bulb onions do not make more than 4 applications of this tank mix per season. Do not apply within 7 days of harvest (7 day PHI). DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with BRAVO 500 or BRAVO 720 Fungicide for Use on Onion (Dry bulb and Green bunching)</u></b> INSPIRE Fungicide can be tank mixed with BRAVO 500 or BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 3 applications of this tank mix per season. Do not apply within 7 days of harvest to dry bulb onions (7 day PHI). Do not apply within 14 days of harvest to green bunching onions (14 day PHI). DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with MATADOR 120EC for Use on Garlic, Great-headed (elephant) Garlic, Leek, Dry Bulb Onion, Green Onion, Welch Onion and Shallot.</u></b> INSPIRE Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in the crops indicated above. Refer to INSPIRE Fungicide and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the INSPIRE Fungicide and MATADOR 120EC labels. Do not make more than 3 applications of this tank mix per year. Do not apply within 14 days of harvest (14 day PHI). DO NOT APPLY BY AIR.	



<b>Crop</b>	<b>Cucurbit Vegetables</b> Chinese waxgourd; Citron melon; Cucumber (field); Gerkin; Gourd, edible; Momordica spp.; Muskmelons (includes cantaloupe); Pumpkin; Squash, summer (includes zucchini); Squash, winter; Watermelon Including cultivars and/or hybrids of these.
<b>Target Diseases</b>	Powdery mildew ( <i>Sphaerotheca fuliginea</i> ) Suppression of Gummy stem blight ( <i>Didymella bryoniae</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	512 (128)
<b>Remarks</b>	Begin applications prior to disease onset when conditions are conducive for disease. Apply INSPIRE Fungicide on a 7-10 day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action. If disease pressure is high, use the shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended. A minimum spray volume of 190 L/ha is recommended for gummy stem blight.
<b>Specific Use Restrictions:</b> 1) Do not apply more than 2.04 L/ha (512 g ai/ha) of INSPIRE Fungicide per crop per season. 2) May be applied the day of harvest (0 day PHI). 3) DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with REVUS Fungicide</u></b> INSPIRE Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 4 applications of this tank mix per season. May be applied the day of harvest (0 day PHI). DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with BRAVO 500 or BRAVO 720 Fungicide</u></b> INSPIRE Fungicide can be tank mixed with BRAVO 500 or BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not exceed the maximum amount of product applied per season as indicated on the INSPIRE Fungicide label. Do not apply within 1 day of harvest (1 day PHI). DO NOT APPLY BY AIR.	

<b>Crop</b>	<b>Grapes (except Concord and some non-vinifera hybrids. See Precaution under Remarks.)</b>
<b>Target Diseases</b>	Powdery mildew ( <i>Uncinula necator</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	292 (73)
<b>Remarks</b>	<p>For powdery mildew, begin at bud break and apply on an 11-21 day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action. Use the shorter interval when conditions are more conducive to high disease pressure.</p> <p>Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.</p> <p><b>PRECAUTION: On Concord, <i>V. labrusca</i>, <i>V. labrusca</i> hybrids, and other non-vinifera hybrids where sensitivity is not known - the use of INSPIRE Fungicide by itself or in tank mixtures with materials that may increase uptake (adjuvants, foliar fertilizers) may result in leaf burning or other phytotoxic effects.</b></p>
<p><b>Specific Use Restrictions:</b></p> <ol style="list-style-type: none"> <li>1) Do not apply more than 2.04 L/ha (512 g ai/ha) of INSPIRE Fungicide per crop per season.</li> <li>2) Do not apply within 7 days of harvest (7 day PHI).</li> <li>3) DO NOT APPLY BY AIR.</li> <li>4) Do not re-enter treated areas for 10 days for cane turning and vine girdling. For all other post-application activity for grapes (e.g., hand harvesting, training, thinning, hand pruning, tying, and leaf pulling), do not enter the treated area for 2 days.</li> </ol>	
<p><b><u>INSPIRE Fungicide Tank Mixed with REVUS Fungicide</u></b></p> <p>INSPIRE Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 4 applications of this tank mix per year. Do not apply within 14 days of harvest (14 day PHI). DO NOT APPLY BY AIR.</p>	
<p><b><u>INSPIRE Fungicide Tank Mixed with VANGARD® 75WG</u></b></p> <p>INSPIRE Fungicide can be tank mixed with VANGARD 75WG for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 2 applications of this tank mix per year. Do not apply within 7 days of harvest (7 day PHI). DO NOT APPLY BY AIR.</p>	
<b>Crop</b>	<p><b>Fruiting Vegetables</b></p> <p>Eggplant; Groundcherry; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Tomatillo, Tomato</p>
<b>Target Diseases</b>	Early blight ( <i>Alternaria solani</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	292 – 512 (73 - 128)
<b>Remarks</b>	<p>Begin applications at first sign of disease or when conditions are conducive for disease development. Apply INSPIRE Fungicide on a 7-14 day schedule. INSPIRE Fungicide can be used a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest interval.</p> <p>Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.</p>

<b>Crop</b>	<b>Fruiting Vegetables</b> Eggplant; Groundcherry; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Tomatillo, Tomato
<b>Target Diseases</b>	Anthrachnose ( <i>Colletotrichum acutatum</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	512 (128)
<b>Remarks</b>	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply INSPIRE Fungicide on a 7-14 day schedule. INSPIRE Fungicide can be used a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.
<b>Specific Use Restrictions:</b> <ol style="list-style-type: none"> <li>1) Do not apply more than 2.04 L/ha (512 g ai/ha) per crop per season.</li> <li>2) May be applied the day of harvest (0 day PHI).</li> <li>3) Do not use on varieties in which the mature tomatoes will be less than 5 cm (such as cherry tomatoes).</li> <li>4) DO NOT APPLY BY AIR.</li> </ol>	
<b><u>INSPIRE Fungicide Tank Mixed with REVUS Fungicide for Use on Tomato and Tomatillo</u></b> INSPIRE Fungicide can be tank mixed with REVUS Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not make more than 4 applications of this tank mix per season. Do not apply within 1 day of harvest (1 day PHI). DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with BRAVO 500 or BRAVO 720 Fungicide for Use on Tomato</u></b> INSPIRE Fungicide can be tank mixed with BRAVO 500 or BRAVO 720 Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels. Do not exceed the maximum amount of product applied per season as indicated on the INSPIRE Fungicide label. Do not apply within 1 day of harvest (1 day PHI). DO NOT APPLY BY AIR.	
<b><u>INSPIRE Fungicide Tank Mixed with MATADOR 120EC for Use on Tomato</u></b> INSPIRE Fungicide can be tank mixed with MATADOR 120EC for labelled diseases and insect control in tomatoes. Refer to INSPIRE Fungicide and MATADOR 120EC labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the INSPIRE Fungicide and MATADOR 120EC labels. Do not make more than 3 applications of this tank mix per year if using the low rate (83 mL/ha) of MATADOR 120EC. Do not make more than 2 applications of this tank mix per year if using the high rate (125 mL/ha) of MATADOR 120EC. Do not apply within 7 days of harvest (7 day PHI). DO NOT APPLY BY AIR.	

<b>Crop</b>	<b>Pome Fruit</b> Apple; Crab apple; Pear; Pear, Oriental; Quince
<b>Target Diseases</b>	Brooks fruit spot ( <i>Mycosphaerella pomi</i> ) Cedar apple rust ( <i>Gymnosporangium juniperi-virginianae</i> ) Flyspeck ( <i>Zygophiala jamacaicensis</i> (Formerly known as <i>Schizothyrium pomi</i> )) Quince rust ( <i>Gymnosporangium clavipes</i> ) Scab ( <i>Venturia inaequalis</i> , <i>Venturia pirina</i> ) Sooty blotch ( <i>Gloeodes pomigena</i> ) Suppression of Powdery mildew ( <i>Podosphaera leucotricha</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	292 (73)
<b>Remarks</b>	<p>For best results, sufficient water volume must be used to provide thorough coverage. A minimum of 375 L/ha for ground applications is recommended.</p> <p><b>Apple Scab - Protective Spray Schedule:</b> Apply every 7-10 days starting at 6-13 mm (¼-½ inch) green tip or when environmental conditions become conducive for scab. Continue through petal fall until the threat of primary scab is complete. For improved fruit scab control, combine INSPIRE Fungicide with a protectant fungicide such as VANGARD 75WG, Dithane™ DG 75 Fungicide, Maestro® 80DF Fungicide, Manzate® Pro-Stick™ Fungicide, Penncozeb® 75DF Fungicide and Supra Captan 80WDG.</p> <p><b>Apple Scab - Curative Spray Schedule:</b> Use a forecasting system beginning at green tip. Apply within 48 hours of the onset of an infection period. Apply a follow-up spray after 7 days. For improved fruit scab control, combine INSPIRE Fungicide with a protectant fungicide such as VANGARD 75WG, Dithane DG 75 Fungicide, Maestro 80DF Fungicide, Manzate Pro-Stick Fungicide, Penncozeb 75DF Fungicide and Supra Captan 80WDG.</p> <p><b>Powdery Mildew:</b> Begin applications of INSPIRE Fungicide at the tight cluster stage, and continue on a 7-10 day schedule. Follow INSPIRE Fungicide with other fungicides such as VANGARD 75WG as needed.</p> <p><b>Cedar-Apple Rust, Quince Rust, and Brooks Fruit Spot:</b> Begin applications preventively. Apply INSPIRE Fungicide alone or in combination with a protectant fungicide such as Maestro 80DF Fungicide, Manzate Pro-Stick Fungicide, Penncozeb 75DF Fungicide and Supra Captan 80WDG on a 7-10 day schedule through the second cover-spray.</p> <p><b>Sooty Blotch, Flyspeck:</b> For early season control, begin applications preventively. Apply INSPIRE Fungicide alone or in combination with a protectant fungicide such as Maestro 80DF Fungicide and Supra Captan 80WDG on a 7-10 day schedule through the second cover spray. Follow INSPIRE Fungicide with other labelled fungicides as needed.</p>
<b>Resistance Management:</b> To help prevent resistance, it is recommended to make no more than 2 consecutive applications with INSPIRE Fungicide or another Group 3 fungicide or a Group 3 fungicide mixture before alternating to a different mode of action.	
<b>Specific Use Restrictions:</b> <ol style="list-style-type: none"> <li>1) Do not apply more than 1.46 L/ha of INSPIRE Fungicide per crop (365 g ai/ha) per season.</li> <li>2) Do not apply INSPIRE Fungicide within 14 days of harvest (14 day PHI)</li> <li>3) Do not re-enter treated areas for 4 days for hand thinning activities. For all other activities in Pome fruit (e.g. hand pruning, propping, training), do not enter the treated areas for 12 hours.</li> </ol>	

**INSPIRE Fungicide Tank Mixed with ACTARA® 25WG for Use on Apple, Crab apple, Pear and Oriental Pear**

INSPIRE Fungicide can be tank mixed with ACTARA 25WG for labelled diseases and insect control for the crops listed immediately above. Refer to INSPIRE Fungicide and ACTARA 25WG labels for diseases and insects controlled, specific application instructions and precautions. Crops and insects must be at the correct stage as specified on the INSPIRE Fungicide and ACTARA 25WG labels.

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

For pear, do not make more than 2 applications of this tank mix per year.

Do not apply within 60 days of harvest (60 day PHI).

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with MATADOR 120EC for Use on Apples and Pears**

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

For apples, do not make more than 3 applications of this tank mix per year.

For pears, do not make more than 1 application of this tank mix per year.

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

DO NOT APPLY BY AIR.

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

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

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

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with VANGARD 75WG for Use on Apples**

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

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

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with Dithane DG 75 Fungicide for Use on Apples**

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

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

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with Maestro 80DF Fungicide for Use on Apples and Pears**

INSPIRE Fungicide can be tank mixed with Maestro 80DF Fungicide for the control of labelled diseases.

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

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with Manzate Pro-Stick Fungicide for Use on Apples**

INSPIRE Fungicide can be tank mixed with Manzate Pro-Stick Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with Penncozeb 75DF Fungicide for Use on Apples**

INSPIRE Fungicide can be tank mixed with Penncozeb 75DF Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

DO NOT APPLY BY AIR.

**INSPIRE Fungicide Tank Mixed with Supra Captan 80WDG for Use on Apples and Pears**

INSPIRE Fungicide can be tank mixed with Supra Captan 80WDG for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

DO NOT APPLY BY AIR.

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

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

**INSPIRE Fungicide Tank Mixed with REVUS Fungicide for Use on Potatoes**

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

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

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

**INSPIRE Fungicide Tank Mixed with BRAVO 500, or BRAVO 720 or BRAVO ZN Fungicide for Use on Potatoes**

INSPIRE Fungicide can be tank mixed with BRAVO 500, or BRAVO 720 or BRAVO ZN Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

**INSPIRE Fungicide Tank Mixed with Allegro® 500F Agricultural Fungicide for Use on Potatoes**

INSPIRE Fungicide can be tank mixed with Allegro 500F Agricultural Fungicide for the control of labelled diseases. Follow all appropriate directions, precautions, etc. as specified on both product labels.

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

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

**INSPIRE Fungicide Tank Mixed with AGRI-MEK 1.9% EC Insecticide/Miticide for Use on Potatoes**

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

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

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

**INSPIRE Fungicide Tank Mixed with ACTARA 240SC Insecticide for Use on Potatoes**

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

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

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

**INSPIRE Fungicide Tank Mixed with FULFILL® 50WG Insecticide for Use on Potatoes**

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

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

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

**INSPIRE Fungicide Tank Mixed with MATADOR 120EC for Use on Potatoes**

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

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

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

<b>Crop</b>	<b>Sugar beets</b>
<b>Target Diseases</b>	Cercospora leaf spot ( <i>Cercospora beticola</i> ) Powdery mildew ( <i>Erysiphe polygoni</i> )
<b>Use Rate mL product/ha (g ai/ha)</b>	292 – 512 (73 – 128)
<b>Remarks</b>	Apply INSPIRE Fungicide on a 7-28 day schedule, alternating with a non-triazole fungicide (non-Group 3) that is registered on sugar beets for these diseases. If disease pressure is high, use the highest rate and shortest interval. Apply in sufficient water volume to obtain thorough coverage. A minimum spray volume of 150 L/ha is recommended.
<b>Specific Use Restrictions:</b> 1) Do not apply more than 2.04 L/ha (512 g ai/ha) per season. 2) Do not apply within 14 days of harvest (14 day PHI). 3) DO NOT APPLY BY AIR.	

### Resistance Management Recommendations

INSPIRE Fungicide is in the Group 3 class fungicides. The mode of action of INSPIRE Fungicide is as a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis by blocking demethylation. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. INSPIRE Fungicide should not be alternated or tank mixed with any fungicide to which resistance has already developed. For resistance management, do not apply to plants grown for transplanting purposes.

#### To delay fungicide resistance:

Where possible, rotate the use of INSPIRE Fungicide or other Group 3 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and do not apply more than two (2) sequential applications of INSPIRE Fungicide, or other fungicides in the same group, before alternating with another registered fungicide with a different mode of action.

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 sign of 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, if available.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and disease problems in your area.

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



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