

2024-0282

2024-11-04

****Container Label****



USF0411

FOLIAR FUNGICIDE SUSPENSION

GROUP	3	11	7	FUNGICIDE
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FOR CONTROL OR SUPPRESSION OF LISTED DISEASES IN SOYBEAN, CORN AND CEREALS.

COMMERCIAL

CAUTION - EYE IRRITANT

REGISTRATION NUMBER 34094 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT:

Prothioconazole	176.2 g/L
Trifloxystrobin	154 g/L
Fluopyram	128.3 g/L

Contains 1,2-benzisothiazolin-3-one at 0.058%, 2-methyl-4- isothiazolin-3-one at 0.00048%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00147% and 2-bromo-2-nitropropane-1,3-diol at 0.0378% as preservatives.

or

Contains 1,2-benzisothiazolin-3-one at 0.058%, 2-methyl-4- isothiazolin-3-one at 0.00048% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00147% as preservatives.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 1 L to BULK

Product Information: 1-888-283-6847

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3



In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577 (24 hours a day).

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.

DIRECTIONS FOR USE: See the printed brochure provided with this container.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May irritate eyes. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.

PROTECTIVE CLOTHING AND EQUIPMENT: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and boots during mixing, loading, application, clean-up and repair. In addition, wear goggles or a face shield during mixing, loading, clean-up and repair. Gloves are not required during application within a closed cab or cockpit.

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

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

FIRST AID: 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. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. **If in eyes:** Hold eye open and rinse slowly and gently with water for 15 to 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 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. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS: Toxic to birds. Toxic to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

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

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

Avoid application when heavy rain is forecast.

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

STORAGE: Store this product away from food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not store below freezing. Keep away from direct sunlight. If stored for 1 year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs. Do not use or store in or around the home. Keep the product in the original container during storage.

DISPOSAL: Recyclable Container Disposal: 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.

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

Refillable Container: For disposal, this empty 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 use this container for any other purpose.

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 cleanup of spills.

****Booklet Label******USF0411**

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USF0411

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GENERAL INFORMATION

SECTION 1: 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.

SECTION 2: THE PRODUCT

USF0411 is a broad-spectrum systemic fungicide for the control or suppression of listed diseases in soybean, corn and cereals.

SAFETY AND HANDLING

SECTION 3: PRECAUTIONS

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May irritate eyes. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. If product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder applicator clothing separate from other laundry.

PROTECTIVE CLOTHING AND EQUIPMENT:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and boots during mixing, loading, application, clean-up and repair. In addition, wear goggles or a face shield during mixing, loading, clean-up and repair. Gloves are not required during application within a closed cab or cockpit.

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

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION**FIRST AID:**

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. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

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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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

SECTION 5: ENVIRONMENTAL PRECAUTIONS

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

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

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

Avoid application when heavy rain is forecast.

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

SECTION 6: STORAGE

Store this product away from food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not store below freezing. Keep away from direct sunlight. If stored for 1 year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs. Do not use or store in or around the home. Keep the product in the original container during storage.

SECTION 7: DISPOSAL

Recyclable Container Disposal: 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:

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Refillable Container: For disposal, this empty 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 use this container for any other purpose.

Disposal of Unused, Unwanted Product:

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DIRECTIONS FOR USE**Section 8: APPLICATION INFORMATION AND PRECAUTIONS****8.1 Additional Environmental Precautions:**

- 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.

8.2 Tank-Mixes:

<p>Corn (field corn, popcorn, sweet corn, seed corn), teosinte and soybean</p>	<p>Dried shelled pea and bean, wheat (winter, durum, spring), barley, oats, triticale, rye and millet</p>
<p>This product may be tank mixed with a fertilizer, a supplement or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.</p>	<p>This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.</p> <p>Do not tank mix with a fertilizer or a supplement.</p>
<p>In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca for information before applying any tank mix that is not specifically recommended on this label.</p> <p>Bayer CropScience Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank-mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank-mix is suitable for widespread application.</p> <p>To determine the physical compatibility of this product with other products, use a jar test.</p>	

8.3 Ground and Aerial Application:

GROUND 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 American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

1. Use well-maintained and calibrated conventional spray equipment, which provides adequate and uniform coverage.
2. Apply USF0411 in a minimum of 100 L water/ha.
3. Spray screens should be no finer than 50 mesh.
4. Ensure that the by-pass line discharges at the bottom of the tank to minimize foaming.
5. Maintain pressure at no less than 275 kPa to ensure good foliage penetration and coverage.
6. Provincial buffer zones that are greater than the buffer zones indicated in the DIRECTIONS FOR USE, Section 9.4, should be respected.
7. If spray mixture remains in the tank overnight, or for long periods during the day, agitate thoroughly prior to application.

AERIAL APPLICATION-GENERAL INFORMATION:

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

1. 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.
2. 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. If you have questions, call 1-888-283-6847 or obtain technical advice from the distributor or your provincial agricultural representative.
3. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking technology. GPS based marking is preferred.
4. Apply USF0411 in a minimum of 50 L of water/ha.
5. To ensure proper coverage and distribution and to minimize drift, check to see that swath width and droplet size are adequate, and that wind velocities are low.

AERIAL APPLICATION-USE PRECAUTIONS:

1. Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage.
2. 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.

AERIAL APPLICATION- OPERATOR PRECAUTIONS:

1. **Aerial applicators:** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during application. Gloves are not required during application within a closed cockpit. Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.
2. It is desirable that the pilot has communication capabilities at each treatment site at the time of application.
3. **The field crew and the mixer/loaders:** wear long-sleeved shirt, long pants, chemical-resistant gloves, goggles or a face shield, socks and boots during mixing, loading, clean-up and repair.
4. All personnel on the job site must wash hands and face thoroughly before eating and drinking.
5. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-888-283-6847 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following: Volume: Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

8.4 Spray Buffer zones:

Spot treatments using hand-held equipment do not require a spray buffer zone.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), 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		Spray Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat:
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Soybean, corn (field corn, popcorn, sweet corn, seed corn), teosinte, winter wheat		1	1	1	1	1
	Wheat (spring, durum), barley, oats, triticale, rye, millet		1	1	1	1	0
Aerial	Soybean, corn (field corn, popcorn, sweet corn, seed corn), teosinte	Fixed wing	10	1	1	1	15
		Rotary wing	5	1	1	1	10
	Winter wheat	Fixed wing	10	1	1	1	10
		Rotary wing	5	1	1	1	10
	Wheat (spring, durum), barley, oats, triticale, rye, millet	Fixed wing	10	1	1	1	0
		Rotary wing	5	1	1	1	0

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

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

8.45 Rotational Crops:

Treated areas may be replanted with any crop specified on this label and dry beans, dry peas, chickpeas, guar, lentils, peanuts, cucurbit vegetables, sugarbeets as soon as practical after the last application. For all other crops, do not plant back within 30 days of last application.

SECTION 9: CROP, DISEASE, RATE AND TIMING
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CROP	DISEASE CONTROLLED OR SUPPRESSED	RATE (mL/ha)	REMARKS
Soybean	<p>Control of: Asian soybean rust (<i>Phakopsora pachyrhizi</i>)</p> <p>Frogeye leaf spot (<i>Cercospora sojina</i>)</p> <p>Brown spot (<i>Septoria glycines</i>)</p> <p>Phomopsis stem blight (<i>Phomopsis longicolla</i>)</p> <p>Suppression of: Charcoal rot (<i>Macrophomina phaseolina</i>) White mold (<i>Sclerotinia sclerotiorum</i>)</p>	586	<p>Begin fungicide applications preventatively or at the first signs of disease from early flowering (R1) to complete pod fill (R5).</p> <p>When disease pressure is high or when agronomic or weather conditions are conducive to disease development, make a second application 10 to 14 days later.</p> <p>USF0411 may be applied by ground or aerial spray equipment. Refer to Section 8.3 for additional information.</p>

Note: A non-ionic surfactant at 0.125% v/v may be used with USF0411. Do not apply more than 2 applications of USF0411 per crop year. To limit the potential for development of disease resistance to these fungicide classes do not make more than 2 applications of USF0411 or any Group 11 or Group 7 containing fungicide before rotating with a fungicide from a different Group.

Do not apply within 20 days of harvest. Do not graze or feed treated soybean forage or hay to livestock.

CROP	DISEASE CONTROLLED OR SUPPRESSED	RATE (mL/ha)	REMARKS
Corn (field corn, popcorn, sweet corn and seed corn) Teosinte	Control of: Common rust <i>(Puccinia sorghi)</i> Southern corn rust <i>(Puccinia polysora)</i> Eye spot <i>(Aureobasidium zeae, syn. Kabatiella zeae)</i> Northern corn leaf blight <i>(Setosphaeria turcica, syn. Exserohilum turcicum)</i> Grey leaf spot <i>(Cercospora zeae-maydis)</i> Suppression of: Tar spot <i>(Phyllachora maydis)</i>	586	Apply USF0411 when disease first appears and re-apply after 7-14 days if favourable conditions for disease development persist. USF0411 may be applied by ground or aerial spray equipment. Refer to Section 8.3 for additional information.
<p>Note: DO NOT apply USF0411 with an adjuvant in corn. Do not apply more than 2 applications of USF0411 per crop year. To limit the potential for development of disease resistance to these fungicide classes do not make more than 2 applications of USF0411 or any Group 11 or Group 7 containing fungicide before rotating with a fungicide from a different Group.</p> <p>CORN (field corn and popcorn, including corn grown for seed), teosinte: Do not apply within 14 days of harvest for forage, grain and stover.</p> <p>SWEET CORN (including sweet corn grown for seed): Do not apply within 14 days of harvest for ears, forage and fodder.</p>			

USF0411 Tank-Mix with PROLINE 480 SC Foliar Fungicide in Corn (field corn, popcorn, sweet corn, seed corn)	
<p>Provides control of all diseases controlled by USF0411 alone</p> <p>plus:</p> <p>For suppression of fusarium and gibberella ear rots (<i>Fusarium</i> spp. and <i>Gibberella</i> spp.)</p> <p>For suppression of stalk rots (<i>Fusarium</i> spp., <i>Gibberella</i> spp. and <i>Colletotrichum</i> spp.) which may cause stalk lodging</p>	<p>Apply USF0411 at 586 mL/ha in tank-mix with Proline 480 SC Foliar Fungicide at 202 mL/ha.</p> <p>DO NOT apply this tank-mix with an adjuvant.</p> <p>Do not apply more than 1 application of USF0411 per crop year, when tank-mixed with Proline 480 SC Foliar Fungicide.</p>
<p>Timing of application is critical: For optimum suppression of fusarium and gibberella ear rots, apply the tank-mix of USF0411 plus Proline 480 SC Foliar Fungicide from the development stage of corn between the tip of stigmata visible (silking, BBCH 63) to the stigmata drying (silk browning, BBCH 67). The tank-mix of USF0411 plus Proline 480 SC Foliar Fungicide will reduce both disease symptoms and levels of mycotoxin in the grain.</p> <p>Fusarium and gibberella ear rots outbreaks in corn occur when the weather is warm and wet during silking. It is also driven by hybrid selection and field history of severe fusarium outbreaks. The application of this tank-mix for protection against fusarium and gibberella ear rots should be considered when these conditions are forecasted for a specific corn field. Applications of this tank-mix timed for suppression of fusarium and gibberella ear rots may also reduce lodging caused by stalk rot pathogens.</p>	

CROP	DISEASE CONTROLLED	RATE (mL/ha)	REMARKS
Wheat (winter)	Septoria leaf blotch (<i>Septoria tritici</i>) Powdery mildew (<i>Erysiphe graminis</i>) Tan spot (<i>Pyrenophora tritici-repentis</i>) Leaf rust (<i>Puccinia triticina</i>) Stem rust (<i>Puccinia graminis</i>) Stripe rust (<i>Puccinia striiformis</i>)	468 - 586	USF0411 should be applied as a preventative disease control measure or at the very early stages of disease development. This could occur anytime during tillering or stem elongation. Typically, one application from the tillering up to flag leaf emergence is required. A second application may be made if needed. DO NOT apply within 14 days of the first treatment. USF0411 must be applied prior to head emergence. Timing of Application: <u>Single application:</u> 4-leaf stage up to flag leaf (GS 14-47). <u>Two applications:</u> First application: 4-leaf stage to flag leaf stage. Second application: not within 14 days of the first application and prior to head emergence. USF0411 may be applied by ground or aerial spray equipment. Refer to Section 8.3 for additional information.
<p>Note: A non-ionic surfactant at 0.125% v/v may be used with USF0411. Do not apply more than 2 applications of USF0411 per crop year to winter wheat. Do not apply USF0411 within 45 days of harvest.</p> <p>Grazing Restrictions:</p> <p>a) If 2 applications of USF0411 per season are applied, do not allow livestock to graze within the treated area and do not harvest the treated crop for forage or hay.</p> <p>b) If 1 application of USF0411 per season is applied, do not allow livestock to graze within the treated area within 30 days after application, and do not harvest the treated crop for forage within 30 days after application and 45 days for grain, straw and for hay.</p> <p>TANK MIXTURES WITH HERBICIDES IN WINTER WHEAT: USF0411 applied at an application rate of 468 mL/ha may be tank-mixed with Buctril M or Infinity herbicides for use on winter wheat only, and during the 2 to 4-leaf stage in the fall or from the time growth commences to emergence of the flag leaf in the spring. Follow staging restrictions on the Buctril M or Infinity herbicide labels. DO NOT tank-mix USF0411 with graminicide herbicides.</p>			

CROP	DISEASE CONTROLLED	RATE (mL/ha)	REMARKS
Wheat (spring, durum)	Septoria leaf blotch (<i>Septoria tritici</i>) Powdery mildew (<i>Erysiphe graminis</i>) Tan spot (<i>Pyrenophora tritici-repentis</i>) Leaf rust (<i>Puccinia triticina</i>) Stem rust (<i>Puccinia graminis</i>) Stripe rust (<i>Puccinia striiformis</i>)	586	USF0411 should be applied as a preventative disease control measure or at the very early stages of disease development. Typically this application will occur from tillering up to flag leaf emergence. USF0411 may be applied by ground or aerial spray equipment. Refer to Section 8.3 for additional information.
Barley	Net blotch (<i>Pyrenophora teres</i>) Scald (<i>Rhynchosporium secalis</i>) Leaf rust (<i>Puccinia hordei</i>) Stem rust (<i>Puccinia graminis</i>) Stripe rust (<i>Puccinia striiformis</i>) Powdery mildew (<i>Erysiphe graminis</i>)		
Oats	Crown rust (<i>Puccinia coronata</i>) Septoria leaf blotch (<i>Septoria avenae</i>) Stem rust (<i>Puccinia graminis</i>)		
Triticale	Stem rust (<i>Puccinia graminis</i>)		
Rye	Scald (<i>Rhynchosporium secalis</i>)		
Millet	Rust (<i>Puccinia substriata</i>)		
<p>Note: Do not apply more than 1 application of USF0411 per crop year. If disease pressure warrants successive fungicide applications, a different fungicide product registered for the foliar diseases present may be applied at the heading/flowering stage (refer to Section 12: Resistance Management before making a follow-up application). Do not apply USF0411 within 45 days of harvest. Do not allow livestock to graze within the treated area within 30 days after application, and do not harvest the treated crop for forage within 30 days after application and 45 days for grain, straw and for hay.</p>			

SECTION 10: PRE-HARVEST INTERVAL(PHI), PRE-GRAZING/FEEDING INTERVAL (PGI) AND RE-ENTRY INTERVAL (REI)
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Crop	PHI (days)	PGI (days)	REI*
Soybean	20	n/a	12 hours
Field corn, popcorn, teosinte	14 (grain)	14 (forage, stover)	12 hours (incl. mechanical detasseling of corn)
Sweet corn	14 (ears)	14 (forage, fodder)	12 hours; (14 days for manual detasseling of corn)
Spring and durum wheat, barley, oats, triticale, rye, millet	45	30 (grazing/forage) 45 (hay, straw, grain)	12 hours
Winter wheat	45	1 application: 30 (grazing/forage) 45 (hay, straw, grain) 2 applications: Do not allow livestock to graze within the treated area and do not harvest the treated crop for forage or hay.	12 hours

* **DO NOT** enter or allow worker entry into treated areas during the re-entry interval (REI) as indicated.

SECTION 11: MIXING INSTRUCTIONS
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USF0411 must be applied with properly calibrated, clean equipment. Prior to adding USF0411 to the spray tank, ensure that the spray tank is thoroughly clean.

USF0411 applied alone:

- Add one-half of the required amount of water to the spray or mixing tank and start agitation.
- Add the required quantity of USF0411 to the water and complete filling with water to the required total volume.
- Maintain agitation throughout mixing and spraying.

- **Soybean and Winter wheat: USF0411 should be thoroughly dispersed prior to the addition of a non-ionic surfactant.** USF0411 is recommended to be used with a registered non-ionic surfactant, such as Agral 90 or AgSurf, at 0.125% vol/vol.

SECTION 12: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that USF0411 contains a Group 3, Group 11 and Group 7 fungicide. Any fungal population may contain individuals naturally resistant to USF0411 and other Group 3, Group 11 and 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 USF0411 or other Group 3, Group 11 and Group 7 fungicides with products from different fungicide groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides from a different group that is effective on the target pathogen when such use is permitted.
- Do not apply more than the indicated maximum number of applications per crop year specified for each crop in the DIRECTIONS FOR USE, Section 8 table.
- 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 resistance development. Notify Bayer if reduced sensitivity of the pathogen to USF0411 is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and disease problems in your area.
- For further information and to report suspected resistance, contact a Bayer representative at 1-888-283-6847 or at www.cropscience.bayer.ca.

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