

2023-7293  
2024-01-05

**\*\*Container Label\*\***

Group	<b>3</b>	Fungicide
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# Defence 250

## Fungicide

### Emulsifiable Concentrate

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**FOR CONTROL OR SUPPRESSION OF LISTED DISEASES IN WHEAT, BARLEY, OATS, RYE, TRITICALE, CANARYSEED AND SOYBEAN**

#### **COMMERCIAL**

ACTIVE INGREDIENT: Tebuconazole..... 250 g/L

REGISTRATION NUMBER 35061 PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND ATTACHED PAMPHLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

NET CONTENTS: 4.04 L to 405 L

Albaugh LLC  
1525 NE 36th Street,  
Ankeny, Iowa, 50021  
United States  
1-800-247-8013

For medical or treatment information from exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr).

For 24-hour chemical spill, leak, fire, exposure, or accident response information, call CHEMTREC toll free at 1-800-424-9300.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** May irritate eyes. Avoid contact with eyes. Avoid breathing vapor or spray mist.

Wear coveralls over long pants, long-sleeved shirt, shoes plus socks and chemical-resistant gloves during mixing, loading, application, clean-up and repair activities. Coveralls and chemical-resistant gloves are not required during application within closed cabs or cockpits.

The field crew and the mixer/loaders must wear coveralls and chemical-resistant gloves 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.

Follow manufacturer's instructions for cleaning/maintaining the Personal Protective Clothing (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **User Safety Recommendations:**

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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

## **FIRST AID**

**In case of poisoning,** call physician or Poison Control Centre immediately. Have patient lie down and keep quiet.

**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 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:**

The compound does not cause any definite symptoms that would be diagnostic. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**To Physician:** No specific antidote. Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS**

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

Toxic to birds, small wild animals, aquatic organisms, and non-target plants. Observe spray buffer zones specified under DIRECTIONS FOR USE and APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS. As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff is hazardous to aquatic organisms in neighboring areas. 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. To reduce the run off refer to the recommendations under "APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS".

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Store away from food or feed.

**LEAK OR SPILL PROCEDURE:** Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

**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/territorial 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.

**Non-Returnable Container:**

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial/territorial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial/territorial requirements.

**Disposal of Unused, Unwanted Product:**

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

**\*\*Booklet Label\*\***

Group	<b>3</b>	Fungicide
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# Defence 250

## Fungicide Emulsifiable Concentrate

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For 24-hour chemical spill, leak, fire, exposure, or accident response information, call CHEMTREC toll free at 1-800-424-9300.

**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:**

**IMPORTANT:** Read this entire label before using Defence 250. **Ensure no bystanders are present during the application operation.** Only protected handlers may be in the area during application. Use mechanical flaggers only. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

**Spray Volume:** Defence 250 should be applied in a minimum of 100 litres of spray solution per hectare by ground sprayer or 47 litres of spray solution per hectare by aircraft spray equipment. Check equipment calibration frequently.

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

**Mixing:** Add the required amount of Defence 250 into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the Defence 250 should be thoroughly dispersed prior to the addition of other materials.

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.

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. 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.

**Tank Mixing:**

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.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Albaugh LLC at 1-800-247-8013 for information before applying any tank mix that is not specifically recommended on this label.

**Spray Buffer Zones:**

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). In addition to the spray buffer zones specified in the table below, users must also observe spray buffer zones specified under APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:
			Terrestrial Habitats
Field sprayer	Wheat (spring, winter and durum), Barley, Oats, Rye (spring and fall), Triticale (spring and winter), Canaryseed and Soybean		1
Aerial	Wheat (spring, winter and durum), Barley, Oats, Rye (spring and fall),	Fixed and rotary wing	15

	Triticale (spring and winter), Canaryseed and Soybean		
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The spray buffer zones required 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.

When tank mixes are permitted, 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.

**Cereals (Wheat, Barley, Oats, Rye, Triticale and Canaryseed):**

CROP	DISEASES	DOSAGE OF DEFENCE 250	REMARKS
<p><b>Wheat</b> (spring, winter and durum)</p>	<p><b>For suppression of:</b></p> <p><i>Fusarium</i> head blight (scab) (<i>Gibberella zeae</i> / <i>Fusarium graminearum</i>)</p> <p><b>For control of:</b></p> <p>Septoria glume blotch (<i>Stagonospora nodorum</i>)</p>	500 mL/ha	<ul style="list-style-type: none"> <li>• <i>Fusarium</i> head blight (scab) risk is greater when the weather is warm and wet at the flowering to soft dough stages.</li> <li>• The application of Defence 250 for protection against <i>Fusarium</i> head blight (scab) should be considered when these weather conditions are forecasted for this stage of wheat development.</li> <li>• <b>Timing of application is critical:</b> For suppression of <i>Fusarium</i> Head Blight and control of Septoria glume blotch, apply Defence 250 within the time period from when at least 75% of the wheat heads on the main stem are fully emerged to when 50% of the heads on the main stem are in flower.</li> <li>• <b>Spray coverage is essential:</b> Spray equipment must be set up to ensure thorough coverage of all wheat heads.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
	<p><b>For control of:</b></p> <p>Rusts (Leaf, Stem and Stripe) (<i>Puccinia triticina</i>, <i>P. graminis</i>, <i>P. striiformis</i>)</p> <p>Septoria Leaf Blotch (<i>Septoria tritici</i>)</p> <p>Tan Spot (<i>Pyrenophora tritici-repentis</i>)</p>	375-500 mL/ha	<ul style="list-style-type: none"> <li>• Apply Defence 250 to leaf foliage at the first sign or very early stage of disease, especially if weather conditions are conducive to disease development, up to the end of the flowering stage.</li> <li>• Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
	<p><b>For control of:</b></p> <p>Powdery Mildew (<i>Erysiphe graminis</i>)</p>	500 mL/ha	
<p><b>Barley</b></p>	<p><b>For control of:</b></p> <p>Net Blotch (<i>Pyrenophora teres</i>)</p>	375-500 mL/ha	<ul style="list-style-type: none"> <li>• Apply Defence 250 at the very early stages of disease development.</li> <li>• Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> </ul>

CROP	DISEASES	DOSAGE OF DEFENCE 250	REMARKS
	Spot Blotch ( <i>Cochliobolus sativus</i> )  Scald ( <i>Rhynchosporium secalis</i> )  Rusts (Leaf, Stem and Stripe) ( <i>Puccinia hordei</i> , <i>P. graminis</i> , <i>P. striiformis</i> )  Speckled Leaf Blotch ( <i>Septoria passerinii</i> )  Powdery Mildew ( <i>Erysiphe graminis</i> )		<ul style="list-style-type: none"> <li>Defence 250 may be applied by ground or air equipment.</li> <li><b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li><b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
<u>Oats</u>	<b>For control of:</b>  Crown Rust ( <i>Puccinia coronata</i> )  Stem Rust ( <i>Puccinia graminis</i> )  <b>For control of:</b>  Speckled leaf blotch and black stem ( <i>Phaeosphaeria avenaria</i> )	375 mL/ha    375-500 mL/ha	<ul style="list-style-type: none"> <li>Apply Defence 250 at the very early stages of disease development.</li> <li>Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> <li>Defence 250 may be applied by ground or air equipment.</li> <li><b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li><b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
<u>Rye</u> (spring and fall)	<b>For suppression of:</b>  <i>Fusarium</i> head blight (scab) ( <i>Gibberella zeae</i> / <i>Fusarium graminearum</i> )  <b>For control of:</b>  Septoria glume blotch ( <i>Stagonospora nodorum</i> )  <b>For control of:</b>	500 mL/ha         375-500 mL/ha	<ul style="list-style-type: none"> <li><b>Timing of application is critical:</b> For suppression of Fusarium Head Blight and control of Septoria glume blotch, apply Defence 250 within the time period from when at least 75% of the heads on the main stem are fully emerged to when 50% of the heads on the main stem are in flower.</li> <li><b>Spray coverage is essential:</b> Spray equipment must be set up to ensure thorough coverage.</li> <li>Defence 250 may be applied by ground or air equipment.</li> <li><b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li><b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> <li>Apply Defence 250 to leaf foliage at the first sign or very early stage of disease, especially if</li> </ul>

CROP	DISEASES	DOSAGE OF DEFENCE 250	REMARKS
	Rusts (Leaf, Stem and Stripe) <i>(Puccinia triticina, P. graminis, P. striiformis)</i>  Septoria (Leaf Blotch) <i>(Septoria tritici)</i>  Scald <i>(Rhynchosporium secalis)</i>  Spot Blotch <i>(Cochliobolus sativus)</i>		weather conditions are conducive to disease development, up to the end of the flowering stage. <ul style="list-style-type: none"> <li>• Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
	<b>For control of:</b>  Powdery Mildew <i>(Erysiphe graminis)</i>	500 mL/ha	
<b>Triticale</b> (spring and winter)	<b>For suppression of:</b>  <i>Fusarium</i> head blight (scab) <i>(Gibberella zeae / Fusarium graminearum)</i>  <b>For control of:</b>  Septoria glume blotch <i>(Stagonospora nodorum)</i>  Spot blotch <i>(Cochliobolus sativus)</i>	500 mL/ha	<ul style="list-style-type: none"> <li>• <b>Timing of application is critical:</b> For suppression of Fusarium Head Blight and control of Septoria glume blotch, apply Defence 250 within the time period from when at least 75% of the heads on the main stem are fully emerged to when 50% of the heads on the main stem are in flower.</li> <li>• <b>Spray coverage is essential:</b> Spray equipment must be set up to ensure thorough coverage.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
	<b>For control of:</b>  Rusts (Leaf, Stem and Stripe) <i>(Puccinia triticina, P. graminis, P. striiformis)</i>  Septoria (Leaf Blotch) <i>(Septoria tritici)</i>	375-500 mL/ha	<ul style="list-style-type: none"> <li>• Apply Defence 250 to leaf foliage at the first sign or very early stage of disease, especially if weather conditions are conducive to disease development, up to the end of the flowering stage.</li> <li>• Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> </ul>

CROP	DISEASES	DOSAGE OF DEFENCE 250	REMARKS
	Tan Spot ( <i>Pyrenophora tritici-repentis</i> ) <b>For control of:</b>  Powdery Mildew ( <i>Erysiphe graminis</i> )	500 mL/ha	<ul style="list-style-type: none"> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
<b>Canaryseed</b>	<b>For suppression of:</b>  Fusarium head blight (scab) ( <i>Gibberella zeae</i> / <i>Fusarium graminearum</i> )	500 mL/ha	<ul style="list-style-type: none"> <li>• <b>Timing of application is critical:</b> For suppression of Fusarium Head, apply Defence 250 within the time period from when at least 75% of the heads on the main stem are fully emerged.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
	<b>For control of:</b>  Leaf mottle ( <i>Septoria triseti</i> )	375-500 mL/ha	<ul style="list-style-type: none"> <li>• Apply Defence 250 to leaf foliage at the first sign or very early stage of disease, especially if weather conditions are conducive to disease development, up to the end of the flowering stage.</li> <li>• Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
Restrictions: A maximum of one application of Defence 250 may be applied per crop season to wheat, barley, oats, rye, triticale and canaryseed. Applications may not be made within 36 days of harvest. Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with Defence 250. Straw cut after harvest may be fed or used for bedding.			

#### Resistance Management Advisory for Cereal Crops:

Repeated application of standalone DMI Fungicides should not be used on the same crop in one season against risky pathogens such as cereal powdery mildew in areas of high disease pressure for that particular pathogen. Mixture products, tank-mixtures or alternation with fungicides having a different mode of action have been shown to protect against the development of resistant forms of disease.

**Soybean:**

CROP	DISEASES	DOSAGE OF DEFENCE 250	REMARKS
Soybean	<b>For control of:</b> Asian Soybean Rust <i>(Phakopsora pachyrhizi)</i> Frogeye Leaf Spot <i>(Cercospora sojina)</i> Suppression of Powdery Mildew <i>(Microsphaera diffusa)</i>	375 - 500 mL/ha	<ul style="list-style-type: none"> <li>• Apply Defence 250 when first symptoms of disease can be found or when the risk of infection is imminent.</li> <li>• Use the higher rate when disease pressure is severe.</li> <li>• Defence 250 may be applied by ground or air equipment.</li> <li>• <b>GROUND APPLICATION:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>• <b>AERIAL APPLICATION:</b> Apply specified dosage in a minimum of 47 L of water per hectare.</li> </ul>
Restrictions: A maximum of one application of Defence 250 may be applied per crop season. Applications may not be made within 20 days of harvest.			

**RESISTANCE MANAGEMENT:**

For resistance management, please note that Defence 250 contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Defence 250 and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

**To delay fungicide resistance:**

- Where possible, rotate the use of Defence 250 or other Group 3 fungicides with different groups of fungicides that control the same pathogens.
- Do not apply more than the indicated maximum number of applications specified for each crop in the DIRECTIONS FOR USE.
- 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 Albaugh LLC if reduced sensitivity of the pathogen to Defence 250 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 an Albaugh LLC representative at 1-800-247-8013.

**APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS:**

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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.

This product should be used only in alternate years.

Do not apply by ground or air within 30 metres of aquatic areas listed above.

Do not cultivate within 3 metres of an aquatic area to allow growth of a vegetative filter strip.

The aquatic spray buffer zone of 30 meters **may not** be modified by the Spray Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

## **SPRAY DRIFT MANAGEMENT FOR AERIAL AND GROUND APPLICATIONS**

For the protection of non-target habitats, overspray or drift to any body of water or other environmentally sensitive habitats must be avoided. Do not apply under conditions where drift to an unprotected person(s), occupied dwelling, or to food, forage, or other plantings can occur.

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

1. **SPRAY BOOM:** For aerial applications, the **spray boom** should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 65% of the wing span or rotor diameter.
2. **DROPLET SIZE:** An important factor influencing drift is the droplet size. Small droplets (<150 to 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest **droplet spectrum** that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.
3. **SPRAY HEIGHT:** For aerial applications, spray should be released at the lowest height consistent with efficacy and flight safety. Applications more than 3 metres above the crop canopy should be avoided.
4. **WIND:** Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 16 km/hour at flying height at the site of application. Use extreme caution when any body of water or other environmentally sensitive habitat is on downwind side of aircraft.
5. **TEMPERATURE INVERSIONS:** Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.
6. **HUMIDITY AND TEMPERATURE:** Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperature.

## **AERIAL APPLICATION LABEL INSTRUCTIONS**

### **Directions For use**

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, or equivalent electronic positioning systems (GPS). The use of a spotter plane is recommended. Use mechanical flaggers only.

### **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.

### **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 coveralls, chemical resistant gloves, and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

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

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-247-8013 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 47 litres per hectare.

### **ROTATIONAL CROPS**

Treated areas may be replanted immediately following harvest with any crop listed on this label. For crops not listed on this label, do not plant back within 120 days of last application.

### **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** May irritate eyes. Avoid contact with eyes. Avoid breathing vapor or spray mist.

Wear coveralls over long pants, long-sleeved shirt, shoes plus socks and chemical-resistant gloves during mixing, loading, application, clean-up and repair activities. Coveralls and chemical-resistant gloves are not required during application within closed cabs or cockpits.

The field crew and the mixer/loaders must wear coveralls and chemical-resistant gloves 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.

Follow manufacturer's instructions for cleaning/maintaining the Personal Protective Clothing (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **User Safety Recommendations:**

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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

#### **FIRST AID**

**In case of poisoning**, call physician or Poison Control Centre immediately. Have patient lie down and keep quiet.

**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 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:**

The compound does not cause any definite symptoms that would be diagnostic. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. **To Physician:** No specific antidote. Treat symptomatically.

#### **ENVIRONMENTAL PRECAUTIONS**

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

Toxic to birds, small wild animals, aquatic organisms, and non-target plants. Observe spray buffer zones specified under DIRECTIONS FOR USE and APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS. As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff is hazardous to aquatic organisms in neighboring areas. 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. To reduce the run off refer to the recommendations under "APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS".

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Store this product away from food or feed.

**LEAK OR SPILL PROCEDURE:** Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type

compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

**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/territorial 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.

**Non-Returnable Container:**

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial/territorial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial/territorial requirements.

**Disposal of Unused, Unwanted Product:**

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