

TEBUSTAR 432
Foliar Fungicide

SUSPENSION

FOR SUPPRESSION OF *FUSARIUM* HEAD BLIGHT (SCAB) AND CONTROL OF FOLIAR DISEASES ON WHEAT (SPRING, WINTER AND DURUM), BARLEY, OATS, SOYBEAN AND CERTAIN MINOR USE CROPS

COMMERCIAL

ACTIVE INGREDIENT: Tebuconazole 432 g/L

Contains 1,2-benzisothiazolin-3-one at 0.0193% as a preservative. <OR> Contains 2-Bromo-2-nitropropane-1,3-diol at 0.03% as a preservative.

REGISTRATION NO. 34372 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND PAMPHLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 4.73 LITRES to 200 LITRES (BULK)

Albaugh, LLC
1525 NE 36th Street
Ankeny, IA 50021
1-800-247-8013

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.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves and coveralls are not required during application within a closed cab and/or cockpit.

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.

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.

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.

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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF 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.

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. Contact with the eyes may cause irritation.

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 terrestrial plants. Observe 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 highwater 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”**.

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.

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. For decontamination procedures or any other assistance that may be necessary, you may contact Albaugh, LLC at 1-800-247-8013.

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.

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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 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 requirements.

Disposal of Unused, Unwanted Product:

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

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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 TebuStar 432. **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: TebuStar 432 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 TebuStar 432 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 TebuStar 432 should be thoroughly dispersed prior to the addition of other materials. TebuStar 432 is recommended to be used with the registered non-ionic surfactant, Agral 90 or Agsurf at 0.125% vol/vol.

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.

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: **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 rotor span.

Buffer zones:

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). In addition to the buffer zones specified in the table below, users must also observe buffer zones specified under

APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS.

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

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the 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 and Oats):			
CROP	DISEASES	DOSAGE OF TEBUSTAR 432	REMARKS
Wheat (spring, winter and durum)	For suppression* of <i>Fusarium</i> head blight (scab) (<i>Gibberella zeae</i> / <i>Fusarium graminearum</i>) For control of Septoria glume blotch (<i>Stagonospora nodorum</i>)	292 mL/ha	<p>* TebuStar 432 should only be applied when the risk of <i>Fusarium</i> head blight infection is high. Consult your local extension authority regarding the need for TebuStar 432 use. Head blight is extremely difficult to control. For that reason, only suppression of <i>Fusarium</i> head blight (scab) is claimed.</p> <ul style="list-style-type: none"> <i>Fusarium</i> head blight (scab) outbreaks occur when the weather is warm and wet at the flowering to soft dough stages. The application of TebuStar 432 for protection against <i>Fusarium</i> head blight (scab) should be considered when these weather conditions are forecasted for this stage of wheat development. Timing of application is critical: For optimum suppression of Fusarium Head Blight and control of Septoria glume blotch, apply TebuStar 432 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. Spray coverage is essential: Ensure thorough coverage of all wheat heads. Spray equipment must be set up to provide good coverage to wheat heads. TebuStar 432 may be applied by ground or air equipment. GROUND APPLICATION: Apply specified dosage in a minimum of 100 L of water per hectare. AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare. TebuStar 432 is recommended to be used with a registered non-ionic surfactant, Agral 90 or Agsurf at 0.125% vol/vol.
	Rusts (Leaf, Stem and Stripe) (<i>Puccinia triticina</i> , <i>P. graminis</i> , <i>P. striiformis</i>) Septoria (Leaf Blotch) (<i>Septoria tritici</i>)	220-292 mL/ha	<ul style="list-style-type: none"> Apply TebuStar 432 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. Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development. TebuStar 432 may be applied by ground or air equipment. GROUND APPLICATION: Apply specified dosage in a minimum

Cereals (Wheat, Barley and Oats):			
CROP	DISEASES	DOSAGE OF TEBUSTAR 432	REMARKS
	Tan Spot (<i>Pyrenophora tritici-repentis</i>)		of 100 L of water per hectare.
	Powdery Mildew (<i>Erysiphe graminis</i>)	292 mL/ha	<ul style="list-style-type: none"> • AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare. • TebuStar 432 is recommended to be used with a registered non-ionic surfactant, such as Agral 90 or Agsurf, at 0.125% vol/vol.
Barley	Net Blotch (<i>Pyrenophora teres</i>) 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>) Septoria Leaf Blotch (<i>Septoria passerinii</i>) Powdery Mildew (<i>Erysiphe graminis</i>)	220-292 mL/ha	<ul style="list-style-type: none"> • Apply TebuStar 432 at the very early stages of disease development. • Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development. • TebuStar 432 may be applied by ground or air equipment • GROUND APPLICATION: Apply specified dosage in a minimum of 100 L of water per hectare. • AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare. • TebuStar 432 is recommended to be used with a registered non-ionic surfactant, such as Agral 90 or Agsurf, at 0.125% vol/vol
Oats	Crown Rust (<i>Puccinia coronata</i>) Stem Rust (<i>Puccinia graminis</i>)	220 mL/ha	<ul style="list-style-type: none"> • Apply TebuStar 432 at the very early stages of disease development. • Where a rate range is specified, use of the higher rate should be considered when weather conditions are conducive to heavy disease development. • TebuStar 432 may be applied by ground or air equipment • GROUND APPLICATION: Apply specified dosage in a minimum of 100 L of water per hectare. • AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare. • TebuStar 432 is recommended to be used with a registered non-ionic surfactant, such as Agral 90 or Agsurf, at 0.125% vol/vol.
Restrictions: A maximum of one application of TebuStar 432 may be applied per crop season to wheat, barley and oats. 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 TebuStar 432. Straw cut after harvest may be fed or used for			

Cereals (Wheat, Barley and Oats):			
CROP	DISEASES	DOSAGE OF TEBUSTAR 432	REMARKS
bedding.			

SEQUENTIAL APPLICATIONS IN WHEAT AND BARLEY:

TebuStar 432 may be applied in sequence with Prosaro 250EC Fungicide. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Recommended Applications:

Application Timing/Crop Stage/Product/Product Rates for single application		Minimum Interval between Applications and Maximum Seasonal Application Rates	
Vegetative stage	Heading/Anthesis	Minimum Interval between applications	Maximum seasonal tebuconazole rate (g a.i./ha)
TebuStar 432 220-292 mL/ha	Prosaro 250 EC 800 mL/ha	7 days	226

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.

Tank Mix Combinations with Herbicides:

TebuStar 432 can be tank-mixed with the herbicides noted below, for control of early season leaf diseases and weeds on the respective labels. Weeds and crop must be at the correct growth stage as specified in both the TebuStar 432 and the tank mix partner label. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions. Do not tank mix TebuStar 432 with pesticides, fertilizers or any other chemical additives unless recommended on this label.

CROP	DISEASES and WEEDS	TANKMIXES	REMARKS
Wheat	Leaf Diseases on the TebuStar 432 label and weeds on the respective herbicide labels	TebuStar 432 at 220 mL/ha + Buctril M at 1L/ha	Apply TebuStar 432 and herbicide at labeled rates for the respective leaf diseases and weeds in wheat. Apply once when plants are at the 4-leaf stage up to the early flag leaf stage.
		TebuStar 432 at 220 mL/ha + Puma 120 Super at 385 or 770 mL/ha + Buctril M at 1L/ha	For use in the prairie provinces and Interior of British Columbia only. Apply TebuStar 432 and herbicides at labeled rates for the respective leaf diseases and weeds in wheat.
		TebuStar 432 at 220 mL/ha + Puma 120 Super at 385 or 770 mL/ha + Refine Extra at 20 g/ha	Apply once when plants are at the 4-leaf stage up to the 3rd tiller stage. DO NOT apply TebuStar 432 mixed with Puma 120 Super 2-3 days prior to or following cold temperatures (3°C or lower) as crop injury may occur.
Barley	Leaf Diseases on the TebuStar 432 label and weeds on the respective herbicide labels	TebuStar 432 at 220 mL/ha + Puma 120 Super at 385 or 770 mL/ha + Refine Extra at 20 g/ha	For use in the prairie provinces and Interior of British Columbia only. Apply TebuStar 432 and herbicides at labeled rates for the respective leaf diseases and weeds in barley. Apply once when plants are at the 4-leaf stage to the 5-leaf, 2nd tiller stage.

			DO NOT apply TebuStar 432 mixed with Puma 120 Super 2-3 days prior to or following cold temperatures (3°C or lower) as crop injury may occur.
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Tank Mix Combinations with Insecticides:

TebuStar 432 can be tank-mixed with Lorsban 4E Insecticide for control of Orange wheat blossom midge (*Sitodiplosis mosellana*) in wheat at labelled rates. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions. When tank mixing TebuStar 432 and Lorsban 4E Insecticide, always add TebuStar 432 to the tank first, then add Lorsban 4E Insecticide. Do not add any surfactants, such as Agral 90 or Agsurf.

Soybean:

CROP	DISEASES	DOSAGE OF TEBUSTAR 432	REMARKS
Soybean	Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Frogeye Leaf Spot (<i>Cercospora sojina</i>)	220-292 mL/ha	<ul style="list-style-type: none"> Apply TebuStar 432 when first symptoms of disease can be found or when the risk of infection is imminent. Use the higher rate when disease pressure is severe. Always use a registered non-ionic surfactant, such as Agral 90 or Agsurf, at 0.125% Vol/Vol. TebuStar 432 may be applied by ground or air equipment GROUND APPLICATION: Apply specified dosage in a minimum of 100 L of water per hectare. AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare.

Restrictions: A maximum of one application of TebuStar 432 may be applied per crop season. Applications may not be made within 20 days of harvest.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Albaugh, LLC at 1-800-247-8013 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

MINOR USES			
NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Albaugh, LLC under the User Requested Minor Use Label Expansion program. Albaugh, LLC has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.			
ASPARAGUS			
CROP	DISEASES	DOSAGE OF TebuStar 432	REMARKS
Asparagus	Rust (<i>Puccinia asparagi</i>)	292 mL/ha	<ul style="list-style-type: none"> • Apply at the earliest sign of rust pustules or when weather conditions are conducive for rust development. • Post-harvest treatment: Apply TebuStar 432 as a foliar spray to the developing ferns after harvest of spears is completed or • Newly planted, non-harvested asparagus fields: Apply TebuStar 432 as a foliar spray as soon as ferns are 30 cm high. • Apply TebuStar 432 in alternation with another effective fungicide with a different mode of action. • Repeat applications on a 14-day interval as necessary to maintain control of rust. Do not apply to harvestable spears. • Apply specified rate in a minimum of 200L water/ha. • For optimum disease control, always use a registered non-ionic surfactant, such as Agral 90 or Agsurf, at 0.125% Vol/Vol. • Do not apply more than 1.17L of TebuStar 432 per hectare per crop season. A maximum of 4 applications of TebuStar 432 may be applied per crop season. • Pre-harvest Interval: 8 months. • Apply by ground only.
SRIC POPLAR AND WILLOW and their planting stock			
USE DIRECTIONS			
CROP	DISEASES	DOSAGE OF TEBUSTAR 432	REMARKS
Short Rotation Intensive Culture		292 mL/ha	<ul style="list-style-type: none"> • A maximum of two (2) applications of TebuStar 432 may be applied per season.

<p>(SRIC) poplar (<i>Populus</i> spp.) and SRIC willow (<i>Salix</i> spp.) and their planting stock grown in production facilities (stoolbeds, bareroot beds, seedling beds).</p>	<p>Leaf rust (<i>Melampsora</i> spp.)</p>	<p>Timing of applications:</p> <p>1st application: First year trees or shoots: apply when trees or shoots are 5-10 cm tall and have at least 3-4 expanded leaves; timing depends on the poplar or willow clone and climatic zone. The first application could be as early as late April to late May (B.C. Coast) and as late as mid June to early July (Prairie Region). Second year or older trees or shoots: Two (to three) weeks after new foliage has emerged. The first application could be as early as mid to late April (B.C. coast) and as late as mid to late June (Prairie Region), depending on the poplar or willow clone and climatic zone.</p> <p>2nd application: apply when the first signs of <i>Melampsora</i> spp. leaf rust appear following the 1st application; this could be as early as mid July and as late as mid August in all regions. Trees could be from 1 m to 2 m tall when trees are in their 1st growing season. This second application is made to avoid secondary infections. Use higher water volumes to ensure adequate coverage of foliage.</p> <ul style="list-style-type: none"> • GROUND APPLICATION (field sprayer and airblast equipment): Apply specified dosage in a minimum of 100 L of water per hectare. Use higher water volumes to ensure adequate coverage especially for the second application. • AERIAL APPLICATION: Apply specified dosage in a minimum of 47 L of water per hectare. • Check equipment calibration frequently. <p>TebuStar 432 is recommended to be used with the registered non-ionic surfactant, Agral 90 or Agsurfap 0.125% vol/vol.</p> <ul style="list-style-type: none"> • Do not re-enter treated area for 12 hours following application.
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Buffer zones for use in Short rotation intensive culture poplar and willow:

Spot treatments using hand-held equipment DO NOT require a buffer zone.

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).

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitat of Depths:		Terrestrial Habitat	
		Less than 1 m	Greater than 1 m		
Field sprayer	Short rotation intensive culture poplar and willow	1	1	1	
Airblast	Short rotation intensive culture poplar and willow	Early growth stage	15	1	4
		Late growth stage	5	1	2
Aerial	Short rotation intensive culture poplar and willow	Fixed-wing	55	1	45
		Rotary-wing	30	1	35

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.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, TebuStar 432 contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to TebuStar 432 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:

Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.

Where possible, rotate the use of TebuStar 432 or other Group 3 fungicides with different groups 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. Avoid using consecutive applications of TebuStar 432 or other fungicides in the same group in a season.

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 Albaugh, LLC if reduced sensitivity

of the pathogen to TebuStar 432 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 pathogens.

For further information and to report suspected resistance, contact Albaugh, LLC at 1-800-247-8013 or at www.AlbaughLLC.com.

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 buffer zone of 30 meters **may not** be modified by the 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 over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing and loading. 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.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves and coveralls are not required during application within a closed cab and/or cockpit.

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.

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.

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.

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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF 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.

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. Contact with the eyes may cause irritation.

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 terrestrial plants. Observe 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 highwater 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 runoff refer to the recommendations under "**APPLICATION IN FIELDS ADJACENT TO AQUATIC AREAS**".

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.

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 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 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 requirements.

Disposal of Unused, Unwanted Product:

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