



# Folicur 432 F

Group **3** Fungicide

# Folicur<sup>®</sup> 432 F

## Foliar Fungicide

---

### SUSPENSION

FOR SUPPRESSION OF *FUSARIUM* HEAD BLIGHT (SCAB) AND CONTROL OF FOLIAR DISEASES ON WHEAT (SPRING, WINTER AND DURUM)

### COMMERCIAL

GUARANTEE: Tebuconazole ..... 432 g/L

Contains 1,2-benzisothiazolin-3-one at 0.048% as a preservative.

REGISTRATION NO. **25940** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND PAMPHLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION: EYE IRRITANT**

**DANGER: SKIN IRRITANT**

NET CONTENTS: 4.73 LITRES to 200 LITRES (BULK)

**Product Information: 1-888-283-6847**

Bayer CropScience Inc.  
Suite 100, 3131 114<sup>th</sup> Avenue SE  
Calgary, Alberta, Canada T2Z 3X2

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. The user assumes the risk to persons or property that arises from any such use of this product.

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

Wear long sleeved shirt and long pants, shoes plus socks, coveralls, goggles or face shield, and chemical resistant gloves.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

## **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 HAZARDS**

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, i.e., this product should be used only in alternate years.

Toxic to birds, small wild animals, aquatic organisms, and non-target plants. DO NOT apply directly 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 neighbouring areas. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. 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 Bayer CropScience at the 24 Hour Emergency Phone Number: 1-800-334-7577, or contact CANUTEC at (613) 996-6666.

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

090220

© FOLICUR is a registered trademark of Bayer.  
All other products mentioned are trademarks of their respective companies.

# Folicur 432 F

# Folicur<sup>®</sup> 432 F

## Foliar Fungicide

---

### SUSPENSION

FOR SUPPRESSION OF *FUSARIUM* HEAD BLIGHT (SCAB) AND CONTROL OF FOLIAR DISEASES ON WHEAT (SPRING, WINTER AND DURUM)

### COMMERCIAL

GUARANTEE: Tebuconazole ..... 432 g/L

Contains 1,2-benzisothiazolin-3-one at 0.048% as a preservative.

REGISTRATION NO. **25940** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND PAMPHLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION: EYE IRRITANT**

**DANGER: SKIN IRRITANT**

NET CONTENTS: 4.73 LITRES to 200 LITRES (BULK)

**Product Information: 1-888-283-6847**

Bayer CropScience Inc.  
Suite 100, 3131 114<sup>th</sup> Avenue SE  
Calgary, Alberta, Canada T2Z 3X2

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. The user assumes the risk to persons or property that arises from any such use of this product.

### **DIRECTIONS FOR USE:**

**IMPORTANT:** Read this entire label before using FOLICUR 432 F Foliar Fungicide. **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:** FOLICUR 432 F Foliar Fungicide 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 FOLICUR 432 F Foliar Fungicide 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 FOLICUR 432 F Foliar Fungicide should be thoroughly dispersed prior to the addition of other materials. FOLICUR 432 F Foliar Fungicide 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 or when winds are gusty. **DO NOT** apply with spray droplets smaller than the ASAE medium classification.

**Aerial Application:** **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 ASAE medium classification.

When a tank mixture is used, consult the labels of the tank mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

<b>USE DIRECTIONS</b>			
<b>CROP</b>	<b>DISEASES</b>	<b>DOSAGE OF FOLICUR 432 F FOLIAR FUNGICIDE</b>	<b>REMARKS</b>
Wheat	<p>For suppression* of <i>Fusarium</i> head blight (scab)</p> <p>For control of Septoria glume blotch</p>	292 mL/ha	<ul style="list-style-type: none"> <li>• * Head blight is extremely difficult to control. For that reason only suppression of <i>Fusarium</i> head blight (scab) is claimed.</li> <li>• <i>Fusarium</i> head blight (scab) outbreaks occur when the weather is warm and wet at the flowering to soft dough stages.</li> <li>• The application of FOLICUR 432 F Foliar Fungicide 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 optimum suppression of Fusarium Head Blight and control of Septoria glume blotch, apply Folicur 432 F Foliar Fungicide 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> Ensure thorough coverage of all wheat heads.</li> <li>• Spray equipment must be set up to provide good coverage to wheat heads.</li> <li>• FOLICUR 432 F Foliar Fungicide 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>• FOLICUR 432 F Foliar Fungicide is recommended to be used with the registered non-ionic surfactant, Agral 90 or AgSurf at 0.125% vol/vol.</li> <li>• A maximum of one application of FOLICUR 432 F Foliar Fungicide may be applied per crop season.</li> <li>• Applications may not be made within 36 days of harvest.</li> <li>• Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with FOLICUR 432 F Foliar Fungicide.</li> <li>• Straw cut after harvest may be fed or used for bedding.</li> <li>• Do not enter treated fields for 12 hours after application.</li> </ul>
<p>FOLICUR 432 F Foliar Fungicide should only be applied when the risk of infection is high. Consult your local extension authority regarding the need for FOLICUR 432 F use.</p>			

<b>USE DIRECTIONS</b>			
<b>CROP</b>	<b>DISEASES</b>	<b>DOSAGE OF FOLICUR 432 F FOLIAR FUNGICIDE</b>	<b>REMARKS</b>
Wheat	Rusts (Leaf, Stem and Stripe)  Septoria (Leaf Blotch)  Tan Spot	220 - 292 mL/ha	<ul style="list-style-type: none"> <li>• Apply FOLICUR 432 F Foliar Fungicide 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>• FOLICUR 432 F Foliar Fungicide is recommended to be used with the registered non-ionic surfactant, Agral 90 or AgSurf at 0.125% vol/vol.</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>• A maximum of one application of FOLICUR 432 F Foliar Fungicide may be applied per crop season.</li> <li>• Applications may not be made within 36 days of harvest.</li> <li>• Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with FOLICUR 432 F Foliar Fungicide.</li> <li>• Straw cut after harvest may be fed or used for bedding.</li> <li>• Do not enter treated fields for 12 hours after application.</li> <li>• FOLICUR 432 F Foliar Fungicide 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>
	Powdery Mildew	292 mL/ha	
<p>FOLICUR 432 F Foliar Fungicide should only be applied when the risk of infection is high. Consult your local extension authority regarding the need for FOLICUR 432 F Foliar Fungicide use.</p>			

**Tank Mix Combinations with Herbicides:**

<p>FOLICUR 432 F FOLIAR FUNGICIDE 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 FOLICUR 432 F FOLIAR FUNGICIDE and the tank mix partner label. Always read and follow the label for FOLICUR 432 F FOLIAR FUNGICIDE and that of the tank mix partner(s) regarding the directions for use, restrictions and precautions. Do not tank mix FOLICUR 432 F FOLIAR FUNGICIDE with pesticides, fertilizers or any other chemical additives unless recommended on this label.</p>			
CROP	DISEASES and WEEDS	TANKMIXES	REMARKS
Wheat	Leaf Diseases on the Folicur 432 F Foliar Fungicide label and weeds on the respective herbicide labels	Folicur 432 F Foliar Fungicide at 220 mL/ha + Buctril M at 1L/ha	Apply Folicur 432 F Foliar Fungicide 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.
		Folicur 432 F Foliar Fungicide at 220 mL/ha + Puma <sup>120</sup> Super at 385 or 770 mL/ha + Buctril M at 1L/ha	For use in the prairie provinces and Peace River region of British Columbia only.  Apply Folicur 432 F Foliar Fungicide and herbicides at labeled rates for the respective leaf diseases and weeds in wheat.
		Folicur 432 F Foliar Fungicide at 220 mL/ha + Puma <sup>120</sup> 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 3 <sup>rd</sup> tiller stage.  DO NOT apply Folicur 432 F Foliar Fungicide mixed with Puma <sup>120</sup> Super 2-3 days prior to of following cold temperatures (3°C or lower) as crop injury may occur.

**Tank Mix Combinations with Insecticides:**

Folicur 432 F Foliar Fungicide can be tank-mixed with Lorsban 4E Insecticide for control of Orange wheat blossom midge (*Sitodiplosis mosellana*) in wheat at labelled rates. Read carefully and follow use directions and use precautions on both the Folicur 432 F Foliar Fungicide and Lorsban 4E Insecticide label. When tank mixing Folicur 432 F Foliar Fungicide and Lorsban 4E Insecticide, always add Folicur 432 F Foliar Fungicide to the tank first, then add Lorsban 4E Insecticide. Do not add any surfactants, such as Agral 90 or Agsurf.

**RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, please note that Folicur 432 F Foliar Fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Folicur 432 F Foliar Fungicide 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 Folicur 432 F Foliar Fungicide or other Group 3 fungicides with different groups that control the same pathogens.

Do not apply more than one application of Folicur 432 F Foliar Fungicide per year. Avoid using consecutive applications of other fungicides in the same group in a season.

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

Monitor treated fungal populations for resistance development. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.

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

For further information and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at [www.bayercropscience.ca](http://www.bayercropscience.ca).

## **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, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g., soils that are compacted or fine textured). Avoid application of this product when heavy rain is forecast.

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.

## **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 75% 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.

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

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

### **Operator Precautions**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear 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 1-888-238-6847 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 47 litres per hectare.

### **ROTATIONAL CROPS**

Do not replant treated areas for 120 days after last application of FOLICUR 432 F Foliar Fungicide.

### **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

Wear long sleeved shirt and long pants, shoes plus socks, coveralls, goggles or face shield, and chemical resistant gloves.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

### **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 HAZARDS**

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, i.e., this product should be used only in alternate years.

Toxic to birds, small wild animals, aquatic organisms, and non-target plants. **DO NOT** apply directly 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 neighbouring areas. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. 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 Bayer CropScience at the 24 Hour Emergency Phone Number: 1-800-334-7577, or contact CANUTEC at (613) 996-6666.

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

© FOLICUR is a registered trademark of Bayer.  
All other products mentioned are trademarks of their respective companies.

090220



Bayer CropScience

Group **3** Fungicide

# Folicur 432 F

# Folicur<sup>®</sup> 432 F

## Foliar Fungicide

### FOR EMERGENCY USE ONLY

For Sale and Use in British Columbia for the control of Melampsora Leaf Rust and Septoria Leaf Spot and Canker in Hybrid Poplar Planting Stock and Short-Rotation-Intensive-Culture Hybrid Poplar until September 15, 2009.

#### COMMERCIAL

GUARANTEE: Tebuconazole ..... 432 g/L

Contains 1,2-benzisothiazolin-3-one at 0.048% as a preservative.

REGISTRATION NUMBER 25940 PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND PAMPHLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION: EYE IRRITANT**

**DANGER: SKIN IRRITANT**

NET CONTENTS: 4.73 LITRES to 200 LITRES (BULK)

Bayer CropScience Inc.  
Suite 100, 3131 114<sup>th</sup> Avenue SE  
Calgary, Alberta, Canada T2Z 3X2

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. The user assumes the risk to persons or property that arises from any such use of this product.

### **DIRECTIONS FOR USE:**

**IMPORTANT:** Read this entire label before using FOLICUR 432 F Foliar Fungicide. **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:** FOLICUR 432 F Foliar Fungicide should be applied in a minimum of 100 litres of spray solution per hectare by ground spray equipment. Check equipment calibration frequently.

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

**Mixing:** Add the required amount of FOLICUR 432 F Foliar Fungicide 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 FOLICUR 432 F Foliar Fungicide should be thoroughly dispersed prior to the addition of other materials. FOLICUR 432 F Foliar Fungicide 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) 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.

### **Buffer zones:**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: handheld or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

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	Poplar		30	30	1
Airblast	Poplar	Early growth stage	30	30	2
		Late growth stage	30	30	1

### USE DIRECTIONS

CROP	DISEASES	DOSAGE OF FOLICUR 432 F FOLIAR FUNGICIDE	REMARKS
Hybrid poplar planting stock and short-rotation-intensive-culture (SRIC) hybrid poplar	Septoria leaf spot and canker ( <i>Septoria musiva</i> )  leaf rust ( <i>Melampsora medusa</i> )	292 mL/ha	<ul style="list-style-type: none"> <li>Apply from mid-April to mid-May, depending on the poplar clone and its approximate date of foliage initiation. A second application can be made approximately one month following the first one to avoid secondary infections on other leaves and on the sprouting shoots (mid-May to mid-June, depending on the clone).</li> <li><b>GROUND APPLICATION ONLY:</b> Apply specified dosage in a minimum of 100 L of water per hectare.</li> <li>FOLICUR 432 F Foliar Fungicide is recommended to be used with the registered non-ionic surfactant, Agral 90 or AgSurf at 0.125% vol/vol.</li> <li>Do not apply more than two applications of FOLICUR 432 F Foliar Fungicide per season.</li> <li>Do not re-enter treated area for 12 hrs. following application.</li> </ul>

## **RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, please note that Folicur 432 F Foliar Fungicide contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Folicur 432 F Foliar Fungicide 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 Folicur 432 F Foliar Fungicide or other Group 3 fungicides with different groups that control the same pathogens.

Do not apply more than two applications of Folicur 432 F Foliar Fungicide per year. Avoid using consecutive applications of other fungicides in the same group in a season.

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

Monitor treated fungal populations for resistance development. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.

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

For further information and to report suspected resistance, contact a Bayer CropScience representative at 1-888-283-6847 or at [www.bayercropscience.ca](http://www.bayercropscience.ca).

## **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, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g., soils that are compacted or fine textured). Avoid application of this product when heavy rain is forecast.

This product should be used only in alternate years.

Do not apply 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.

## SPRAY DRIFT MANAGEMENT FOR 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. **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.
2. **WIND:** Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 16 km/hour.
3. **TEMPERATURE INVERSIONS:** Do not apply 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.
4. **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.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

Wear long sleeved shirt and long pants, shoes plus socks, coveralls, goggles or face shield, and chemical resistant gloves.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

### **FIRST AID**

**In case of poisoning**, call doctor 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 IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF 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. Contact with the eyes may cause irritation.

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

### **ENVIRONMENTAL HAZARDS**

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, i.e., this product should be used only in alternate years.

Toxic to birds, small wild animals, aquatic organisms, and non-target plants. DO NOT apply directly 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 neighbouring areas. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. 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 Bayer CropScience at the 24 Hour Emergency Phone Number: 1-800-334-7577, or contact CANUTEC at (613) 996-6666.

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

090306

© FOLICUR is a registered trademark of Bayer.  
All other products mentioned are trademarks of their respective companies.

\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.