

PMRA Approved 2020-1059

2020-06-12

GROUP 3 FUNGICIDE

FULLBACK® 125 SC Fungicide

Suspension Concentrate

For Use on Apples, Grapes, Strawberries and Dry Soybeans
COMMERCIAL

ACTIVE INGREDIENT: flutriafol, 125.08 g/L
Contains 1,2-Benzisothiazolin-3-one at 0.02% as a preservative.

POTENTIAL SKIN SENSITIZER

**KEEP OUT OF REACH OF CHILDREN AND PREVENT ACCESS BY
UNAUTHORIZED PERSONNEL**

READ THE LABEL BEFORE USING

REGISTRATION NO.: **31679**
PEST CONTROL PRODUCTS ACT

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS)

FMC of Canada Limited
6755 Mississauga Road, Suite 204
Mississauga, ON L5N 7Y2
1-833-362-7722

NET CONTENTS: 1 L to Bulk

Label

PRECAUTIONS

- KEEP OUT OF REACH OF CHILDREN AND PREVENT ACCESS BY UNAUTHORIZED PERSONNEL.
- Potential skin sensitizer.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A).
- Remove and wash contaminated clothing before reuse.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- **DO NOT** apply by air
- **DO NOT** apply in greenhouses.
- 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

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 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 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. For medical emergencies call 1-800-331-3148.

TOXICOLOGICAL INFORMATION

No specific antidote. Treat symptomatically.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, and shoes plus socks.

Mixers and loaders must wear: long-sleeved shirt and long pants, chemical resistant gloves, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

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

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

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

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.

RESTRICTED ENTRY INTERVAL: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

FOR GRAPES: DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 15 days to perform cane turning/girdling and for 7 days for tying/training and leaf pulling.

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

STORAGE:

Store unused product in original container in a cool, dry area.

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

Shelf life of Fullback 125 SC is 3 years.

DISPOSAL:

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
5. 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.

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.

FMC and ®**FULLBACK** are registered trademarks of FMC Corporation or an affiliate

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Booklet

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USE DIRECTIONS

GENERAL DIRECTIONS

Crop Rotation:

Crops	Plantback Interval (Days)
Labeled crops	Any time
Unlabeled crops	365
Field corn, popcorn	150
Sweet corn	200

Rainfastness: Disease control will be reduced if rainfall occurs within 2 hours of application.

Compatibility Jar Test: Using a 1-litre jar, add the proportionate amounts of the products to approximately one quarter of water with agitation. Add wettable powders and water dispersible granular products first, next liquid flowables, then emulsifiable concentrates, and last liquid soluble products. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Use tank-mix combinations on a small number of plants before treating larger areas.

CROP USE DIRECTIONS

Use Directions for Apples

Diseases	FULLBACK ¹		Use Recommendations	Spray Intervals
	Use Rate [mL/ha]	Use Rate Per 100 L of Water Dilute ² (mL) [mL/100L]		
Scab (<i>Venturia inaequalis</i>) (Green tip- cover sprays) FULLBACK tank mixed with a protectant fungicide ³ (Dithane DG 75 Fungicide, Maestro 80 DF Fungicide or Supra Captan 80 WDG)	[950]	[25]	Initiate applications at green tip or when environmental conditions are favorable for primary scab development. Applications should continue through the duration of primary scab.	7-10 days through petal fall 10-14 days after petal fall
Powdery Mildew (<i>Podosphaera leucotricha</i>) Quince Rust (Gymnosporangium-clavipes) Cedar Apple Rust (Gymnosporangium juniperi-virginianae)	[585 to 877]	[15.6 to 23.4]	Initiate applications at green tip and continue through cover sprays.	10-14 days
<p>Restriction: Do not apply more than 2048 mL per hectare per season. No single application may exceed 950 mL/ha.</p> <p>Preharvest Interval: Do not apply within 14 days of harvest.</p>				

Use Directions for Grapes

Diseases	FULLBACK	Application Directions	Minimum Retreatment Interval
	Use Rate [mL/ha]		
Powdery Mildew (<i>Erysiphe necator</i> syn. <i>Uncinula necator</i>) Black Rot (<i>Guignardia bidwellii</i>)	[585 – 731]	Apply FULLBACK as a foliar spray beginning at 15 to 25-cm shoots. Use the higher rate and/or shorter intervals when disease pressure is high. Apply FULLBACK in sufficient water for thorough coverage of vines and fruit.	14 – 21 days for Powdery Mildew 14 days for Black Rot
<p>Restriction: FULLBACK should be applied in sufficient water to insure uniform coverage for good disease control. Do not apply more than 2048 mL per hectare per season. No single application may exceed 731 mL/ha.</p> <p>Preharvest Interval: Do not apply within 14 days of harvest.</p>			

Use Directions for Strawberries

Diseases	FULLBACK	Application Directions	Minimum Retreatment Interval
	Use Rate [mL/ha]		
Powdery Mildew (<i>Sphaerotheca aphanis</i> syn. <i>S. macularis</i>)	[512-1024]	Apply FULLBACK as a foliar spray when conditions are favorable for disease development. Use the higher rate and/or shorter spray intervals under severe sustained disease pressure. Apply FULLBACK in sufficient water volume to provide uniform coverage. Non-ionic surfactant at 0.25% v/v may be added to the spray solution	7-10 days for Powdery Mildew
<p>Restriction: FULLBACK should be applied in sufficient water to insure uniform coverage for good disease control. Do not apply more than 2048 mL per hectare per season. .</p> <p>Preharvest Interval: Do not apply within 8 days of harvest.</p>			

Use Directions for Dry Soybeans

Diseases	FULLBACK ¹	Use Recommendations	Spray Intervals
	Use Rate [mL/ha]		
Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>)	[512 – 1024]	<p>Apply FULLBACK fungicide as a broadcast foliar spray when conditions are favorable for development of soybean rust. Repeat after first application if environmental conditions are favorable for continued disease development.</p> <p>Apply in a minimum of 100 L of spray solution per hectare by ground sprayer</p> <p>FULLBACK fungicide may be tank mixed with Headline EC Fungicide at the label rates for resistance management. If compatibility is in question, use the compatibility jar test before mixing the entire tank.</p> <p>Restrictions: Do not apply more than 2048 mL per hectare per season. Do not apply more than 3 applications of FULLBACK per growing season. No single application may exceed 1024 mL/ha; only one application at 1024 mL/ha may be made to any one field during a single growing season. Do not feed forage or hay to animals or permit animals to graze.</p> <p>Preharvest Interval: Do not apply within 21 days of harvest.</p> <p>Apply only to soybeans harvested for dry seed.</p>	21 – 35 days

Use Directions for Dry Soybeans (continued)

<p>Frogeye Leaf Spot (<i>Cercospora sojina</i>)</p> <p>Cercospora Blight and Leaf Spot (<i>Cercospora kikuchii</i>)</p> <p>Brown Spot (<i>Septoria glycines</i>)</p>	<p>[512 – 1024]</p>	<p>Apply FULLBACK fungicide as a broadcast foliar spray to soybean plants in R3 growth stage (early pod fill) or when environmental conditions are favorable for disease development. Apply second application if conditions are conducive for heavy disease development.</p> <p>Use the higher rate and shorter spray interval under severe sustained disease pressure.</p> <p>Apply in a minimum of 100 L of spray solution per hectare by ground sprayer.</p> <p>Restrictions: Do not apply more than 2048 mL per hectare per season. Do not apply more than 3 applications of FULLBACK per growing season. No single application may exceed 1024 mL/ha; only one application at 1024 mL/ha may be made to any one field during a single growing season. Do not feed forage or hay to animals or permit animals to graze.</p> <p>Preharvest Interval: Do not apply within 21 days of harvest.</p> <p>Apply only to soybeans harvested for dry seed.</p>	<p>14 – 21 days</p>
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¹ FULLBACK is a systemic fungicide and does not redistribute with rainfall. Application equipment should be adjusted to apply a uniform spray to the entire tree canopy.

² Based on dilute sprays with a 3742 liters per hectare basis. Dilute sprays are applied until the point of runoff. Volume (liters) of dilute sprays will vary depending on tree size, density of canopy and stage of growth of the trees and the tree spacing in the orchard. Regardless of the spray volume applied, always apply the recommended rate of FULLBACK per acre.

³ FULLBACK 125 SC fungicide must be tank-mixed with a protectant fungicide, such as Dithane DG 75 Fungicide, Maestro 80 DF Fungicide or Supra Captan 80 WDG, at labeled rates for apple scab. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all cautions and limitations on the label of all products used in mixtures.

Rainfastness: Disease control will be reduced if rainfall occurs within 2 hours of application.

Resistance Management

For resistance management, **Fullback 125 SC Fungicide** contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to **Fullback 125 SC 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/bactericide resistance:

- Where possible, rotate the use of **Fullback 125 SC Fungicide** or other Group 3 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides from a different group that is effective on the target pathogen when such use is permitted.
- 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/bacterial populations for resistance development. Notify FMC of Canada Limited if reduced sensitivity of the pathogen to **Fullback 125 SC Fungicide** 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 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 pathogens.

For further information and to report suspected resistance, contact FMC of Canada Limited at 1-833-362-7722 or at <https://ag.fmc.com/ca/en>.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests

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

DO NOT apply by air

Buffer zones:

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.

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

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

Buffer zones for aquatic and terrestrial habitat

Method of application	Crop		Buffer Zones (meters) required for the protection of:		
			Aquatic habitat of depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Strawberries, soybeans		1	0	1
Airblast	Apples, grapes	Early growth stage	2	0	2
		Late growth stage	1	0	1

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

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