

Bumper 418 EC®

FUNGICIDE

Bumper 418 EC is a broad spectrum systemic fungicide for control of a wide range of diseases on certain crops. Bumper 418 EC fungicide will protect the crop from yield and quality losses due to disease. Bumper 418 EC is a key element of a strong plant health program designed to maximize yield and quality on every acre.

ACTIVE INGREDIENT: Propiconazole 418 g/L.

CROPS: Canary Seed, Canola, Corn (including Field, Seed and Sweet), Dry Edible Beans (including Kidney, Navy and White bean), Oats, Soybeans (grown for seed), Spring Barley, Spring Wheat (including Hard Red, Durum, Canada Prairie, Soft White), Winter Wheat.

RATES/TIMING: Apply Bumper 418 EC at the very early stages of disease. In cereals this could occur anytime during tillering to pre-heading. Typically, an application from the beginning of stem elongation up to flag leaf emergence may be required. See label for other crops.

WATER VOLUME:

GROUND APPLICATION

Minimum 200 L of water per hectare or 18 gals/acre at 200-300 kPa.

AERIAL APPLICATION

40 - 50 L of water per hectare or 4 - 5 gal/acre at 100-200 kPa.

TANK MIXES:

HERBICIDES - WHEAT & BARLEY:

Bumper 418 EC can be tank-mixed with the following herbicides. Do not use more than one tank-mix partner.

2,4-D Amine

Pardner®

MCPA Amine

Horizon® 240EC

Buctril®M

NOTE: Ground application only for Buctril M, Pardner, and Horizon.

NOTE: Only apply herbicide and fungicide together if proper weed application timing and proper disease application timing are achieved together. See herbicide labels for complete instructions and proper timings.

INSECTICIDES - CANOLA & CORN:

Matador®

Ripcord®

Fertilizer:

Mixing and Spraying Instructions: If desired, small amounts of nitrogen may be applied with Bumper 418 EC. The appropriate amount can be dissolved in water and added to the spray tank before adding Bumper 418 EC. The rate of actual nitrogen must not exceed 10 kg/ha. Excessive nitrogen concentrations may injure the crop. NOTE: DO NOT add nitrogen when tank-mixing Bumper 418 EC with a herbicide.



QUICK SHEET

CAUTION: See label for aerial application restrictions and guidelines. Do not graze animals on treated green crops for 3 days after Bumper 418 EC application. Do not feed straw from crops treated with herbicide tank-mixes to livestock.

RAINFALL: If rainfall occurs within one hour of application, reapplication is necessary.

PREHARVEST INTERVAL: Dry Edible Beans - 28 days, Canary Seed - 28 days, Canola - 60 days, Cereals - 45 days, Corn - 14 days, Soybean - 50 days.

RE-ENTRY: Do not re-enter the treated area within 24 hours of application. The spray solution should be dried on the plant material.

PACKAGE SIZE: 2 x 4.8 L.

ADDITIONAL: Bumper 418 EC should be applied as a preventative disease control measure. Established diseases are more difficult to control and may have already reduced crop vigour.

SURFACTANT: Not applicable.

RE-CROPPING: Not applicable.

STORAGE: Heated storage, do not allow to freeze.

GROUP: 3 - Triazole.

RESISTANCE MANAGEMENT:

RECOMMENDATIONS: For resistance management, Bumper 418 EC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Bumper 418 EC 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 Bumper 418 EC or other Group 3 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and consecutive sprays of Bumper 418 EC or 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 sign of 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.



| DISEASES CONTROLLED | |
|---|---|
| Canary Seed | Septoria leaf mottle |
| Canola | Blackleg |
| Corn (Field, Seed & Sweet) | Eye spot, Grey leaf spot, Helminthosporium leaf spot, Northern corn leaf blight, Rusts, Southern corn leaf blight |
| Dry Edible Beans (including Kidney, Navy and White beans) | Rust |
| Soybeans (grown for seed) | Aerial web blight, Frogeye leaf spot |
| Spring Barley | Leaf rust, Net blotch, Powdery mildew, Scald, Septoria leaf spot, Spot blotch, Stem rust |
| Spring Wheat (including Hard Red, Durum, Canada Prairie, Soft White) and Winter Wheat | Leaf and stem rust, Powdery mildew, Septoria glume blotch, Septoria leaf spot, Stripe rust, Tan spot. |
| Oats | Septoria leaf blotch; Crown rust. |

| CROP/DISEASE | RATE/HA | EARLY APPLICATION | LATER APPLICATION |
|---|------------------------|--|---|
| Canary Seed Oats Spring Barley Wheat | 300 mL | At the first sign of disease, usually at the beginning of stem elongation (G.S. 29-37). One application in Canary seed at emergence of flag leaf. | Before head is half emerged. (G.S. 49-55) |
| Canola | 300 mL | Rosette stage between 2nd true leaf and bolting. | |
| Corn Rust All other diseases controlled | 300 mL 150 - 300 mL | Early stages of disease when rust pustules first appear. | |
| Dry Edible Beans | 300 mL | Early stage of disease. | 14-21 days after 1st application. Maximum of 2 applications per season. |
| Soybeans (grown for seed) | 300 - 455 mL | When disease first appears. | Under severe disease pressure apply 2nd application 14 days after 1st. |

