fact sheet

BAYER

PROPULSE®

A FUNGICIDE FOR POTATOES, BUSHBERRIES AND LOW-GROWING BERRIES

did you know?

PROPULSE® FUNGICIDE DELIVERS SUPERIOR DISEASE PROTECTION FOR POTATO, BUSHBERRY AND LOW-GROWING BERRY FARMERS.

FEATURES AND BENEFITS

- Exceptional control of Alternaria complex (early blight and brown leaf spot) and white mould in potatoes
- One labelled rate
- Application flexibility; apply up to a maximum of two applications per year
- Excellent resistant management tool and a great rotational fit with Scala® fungicide in potatoes
- With two modes of action, Propulse combines fluopyram (Group 7) with the proven defense of prothioconazole (Group 3), offering exceptional yields and unparalleled disease protection
- Superior protection against septoria leaf spot and leaf rust in bushberries
- Great control of fruit rots in low-growing berries

APPLICATION TIPS

- Thorough coverage is essential for maximum protection. Use sufficient water volume and spray pressure to provide thorough and uniform coverage for optimum disease control.
- DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of three days to perform hand-line irrigation in bushberries. For all other post application activities, DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.
- Methods of application are ground and aerial application in potatoes; ground application and airblast for bushberries, and ground application only for low-growing berries
- Apply in a minimum spray volume of 100 L water/ha
- To limit the potential for development of disease resistance to these fungicide classes do not make more than two sequential applications of Propulse or any Group 7 or Group 3 containing fungicide before rotating with a fungicide from a different Group

MODE OF ACTION

- Group 7 (fluopyram) and Group 3 (prothioconazole) fungicides

FORMULATION AND PACKAGING

- Easy-to-use liquid formulation
- Suspension concentrate
- Available in 6.1 L jugs

DISEASE CONTROL	RATE	APPLICATION TIMING	MAXIMUM APPLICATIONS	PHI (DAYS)
Potatoes				
Control of early blight (*Alternaria solani*)	750 mL/ha (304 mL/ac.)	Begin fungicide applications preventively. After the initial application, one additional application may be made 10-14 days afterwards if conditions remain favourable for continued or increased disease development. When disease pressure is severe, use the shorter intervals. Ensure that the area to be treated is covered uniformly. Good spray coverage and canopy penetration are important for best results. The application may be made by ground or aerial spray equipment.	Do not apply more than 2 applications of Propulse per hectare per season. To limit the potential for development of disease resistance to this fungicide, do not make more than 2 sequential applications of Propulse or any Group 7 or Group 3 containing fungicide before rotating with a fungicide from a different Group.	Do not apply within 14 days of harvest.
Control of brown leaf spot (*Alternaria alternata*)				
Control of white mould (*Sclerotinia sclerotiorum*)				
Suppression of black dot (*Colletotrichum coccodes*)				

DISEASE CONTROL	RATE	APPLICATION TIMING	MAXIMUM APPLICATIONS	PHI (DAYS)
Bushberries (Crop subgroup 13-07B) Aronia berry; blueberry, highbush; blueberry; lowbush; buffalo currant; Chilean guava; currant, black; currant, red; elderberry; European barberry; gooseberry; highbush cranberry; honeysuckle, edible; huckleberry; jostaberry; juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these**.**				
Suppression of Septoria leaf spot (*Septoria* spp.)	750 mL/ha (304 mL/ac.)	Apply Propulse fungicide at the first sign of disease. After the initial application, one additional application may be made 10-14 days afterwards if conditions remain favourable for continued or increased disease development.	Apply up to 2 applications of Propulse fungicide per year. Repeat applications as needed using the recommended spray interval if conditions remain favourable for continued or increasing disease development. A maximum of 2,000 mL/ha of Propulse may be applied per crop year.	Do not apply within 7 days of harvest.
Suppression of leaf rust (*Thekopsora minima*) and Valdensinia leaf spot (*Valdensinia heterodoxa*) – blueberry only	1,000 mL/ha (405 mL/ac.)			
Control of Monilinia blight (*Monilinia vaccinii-corymbosi*)	750 mL/ha (304 mL/ac.)	Begin applications when 40 percent of the blossom buds have the bud scales separated. A second application of Propulse fungicide or another approved fungicide should be applied 7 to 10 days later.		

DISEASE CONTROL	RATE	APPLICATION TIMING	MAXIMUM APPLICATIONS	PHI (DAYS)
Low-growing berries, except strawberries (Crop subgroup 13-07H) bearberry; bilberry; lowbush blueberry; cloudberry; cranberry; lingonberry, muntries, partridgeberry; cultivars, varieties, and/or hybrids of these.				
Fruit rot: *Coleophoma empetri*, *Glomerella cingulata*, *Phyllosticta vaccinii*, *Physalospora vaccinii*, *Allantophomopsis lycopodina*, *Allantophomopsis cytisporea*, *Fusicoccum putrefaciens*, *Penicillium* spp., *Phomopsis vaccinii*, *Colletotrichum acutatum*, *Colletotrichum coccodes*	875 mL/ha (354 mL/ac.)	Begin applications at early bloom for fruit rot. Make a second application of Propulse or another approved fungicide 7-14 days later. Apply specified dosage in the following methods: 1. Foliar spray application 2. Soil application: Chemigation into the root zone through low-pressure drip, trickle, microsprinkler or equivalent equipment.	Apply up to 2 applications of Propulse per year regardless of method of application (soil or foliar). Repeat applications as needed using a 7-14 day spray interval if conditions remain favourable for continued or increasing disease development. A maximum of 1,750 mL/ha of Propulse may be applied per crop year.	Do not apply within 45 days of harvest of bearberry; bilberry; cloudberry; cranberry; muntries; partridgeberry. Do not apply within 7 days of harvest of blueberry and lingonberry.

PROPULSE®

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

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