



Bestect
[bəs-təkt]

Usage: "I just *bestected* my crop from disease with an application of Luna Tranquility."

REDEFINING DISEASE PREVENTION

Overview

Fungicides

- Aliette
- Flint
- Folicur EW
- Delaro
- Luna Tranquility
- Proline
- Proline west
- Propulse
- Prosaro
- Prosaro west
- Reason
- Scala
- Serenade MAX
- Serenade SOIL
- Serenade CPB

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Luna Tranquility

Overview

Application Tips

Overview

- Group 7 (Fluopyram) and Group 9 (Pyrimethanil) fungicide
- Provides protection against potato leaf spot complex with reduced sensitivity to Group 11 and older generation Group 7 fungicides
- Is the only potato fungicide registered with white mold and black dot activity
- A broad spectrum fungicide with preventative, systemic, and post-infection (for apple scab) properties
- Is best suited for use in a preventative treatment program
- Post-infection properties are effective for up to 72 hours after apple scab infection
- An all-in-one formulation with two active ingredients – Groups 7 & 9

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Region: Ontario

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- New and unique class of Group 7 fungicide – different from any other previous SDHI
- Shows higher application timing flexibility and a unique spectrum of activity

Application Tips

- Registered for aerial application in potatoes
- Thorough coverage is essential for maximum protection in grapes and apples
- For wine grapes, do not enter or allow worker entry within 24 hours after application to carry out training, tying, pruning, thinning or leaf pulling activities
- For all other worker activities, do not enter or allow worker entry into treated areas within 12 hours after application

Maximum Applications

Apples

- Do not apply more than 4 applications and do not exceed 3.2 L of Luna Tranquility per hectare per season
- The maximum number of applications of a Group 7 fungicide should be limited to 1 per season when the total number of sprays in a program is 1-2, and 2 per season when the total number of sprays is 3-5
- A third application can be made when a total of 6-11 sprays are made in a program. Where 12 or more sprays are applied a fourth application is allowed.

Grapes

- Do not apply more than 3 applications to control powdery mildew if fewer than 12 fungicide applications are made in a season
- Where 12 or more fungicide applications are made in total, a maximum of 4 applications of Group 9 fungicides can be applied per season
- Do not exceed 4 L of Luna Tranquility per hectare per season

Potatoes

- Do not apply more than 3.2 L/ha per season

Disease Control	Rate	Application Timing	Pre-Harvest Interval (days)
Apples			
Powdery			

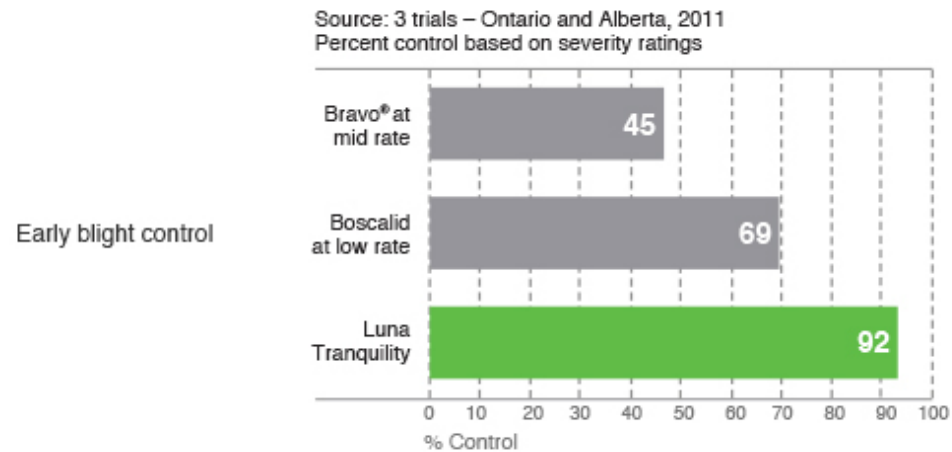
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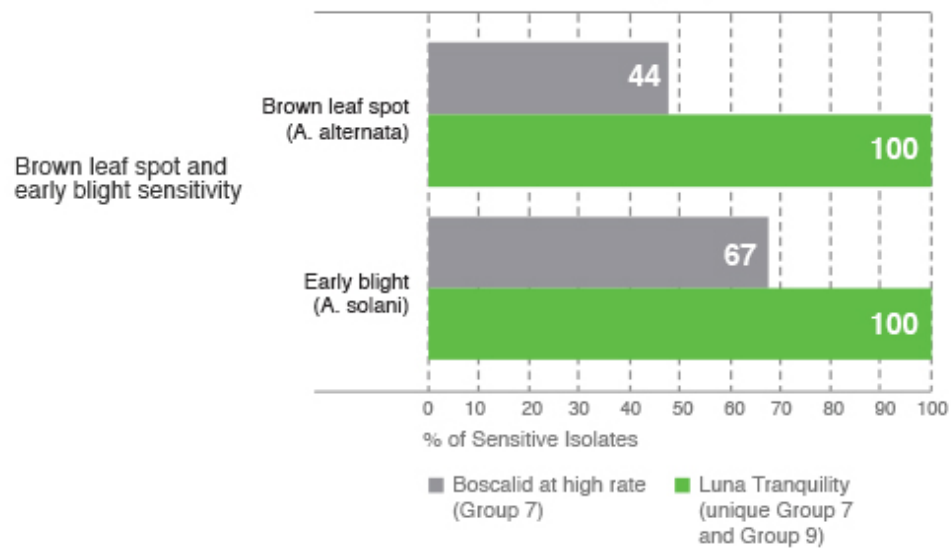


mildew (<i>Podosphaera leucotricha</i>)	600 mL/ha (243 mL/ac.)	Begin application preventatively and continue applications as needed on a 7-14 day interval	14
Scab, leaf (<i>Venturia inaequalis</i>)	800 mL/ha (324 mL/ac.)	Begin applications at green tip and continue as needed on a 7-14 day interval	
Wine Grapes			
Powdery mildew (<i>Uncinula necator</i>)	600 mL/ha (243 mL/ac.)	Begin applications preventatively and continue as needed on a 7-14 day interval	7
Botrytis bunch rot/Gray mold (<i>Botrytis cinerea</i>)	1,200 mL/ha (486 mL/ac.)	Begin applications at early bloom if needed then follow with applications from berry touch to bunch closure An application can also be made from fruit ripening through to harvest during frequent wet conditions (conducive to infection) or when symptoms of infection are evident	

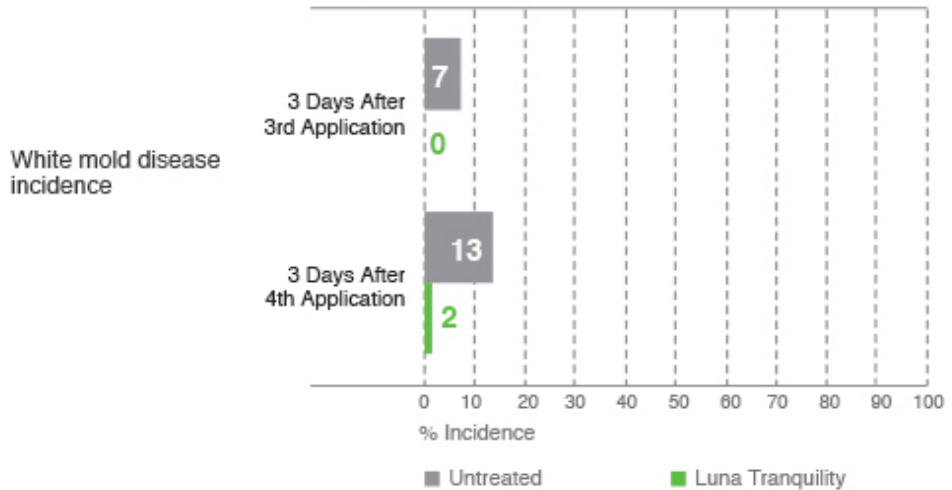


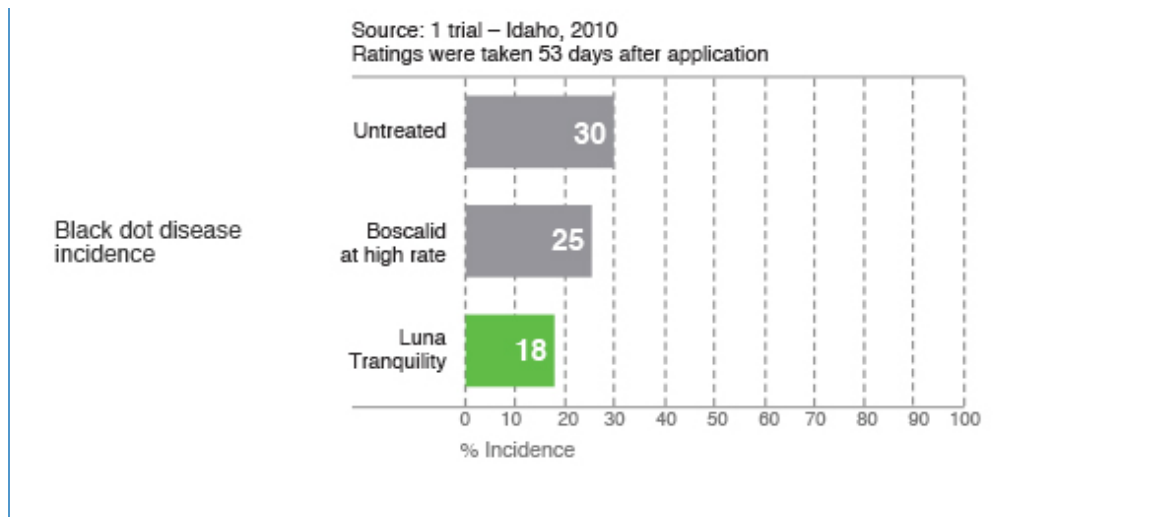
Bayer CropScience Canada - Luna Tranquility

Source: Lab Results – North Dakota, 2011
 44% (4 out of 9) of *A. alternata* isolates and 67% (4 out of 6) of *A. solani* isolates were sensitive to boscalid, while 100% of all isolates were sensitive to Luna Tranquility



Source: 3 trials – Wisconsin, 2010
 Ratings were taken 3 days after the 3rd application and again 3 days after the 4th application





▼ Active Ingredients

Fluopyram
Pyrimethanil

▼ Resistance Management

- To limit the potential for development of disease resistance to these fungicide classes, do not make more than two sequential applications of Luna Tranquility or any Group 7 or Group 9 fungicide before rotating with a fungicide from a different group
- Determine pesticide use on an Integrated Pest Management program that includes scouting, record keeping and considers cultural, biological and other chemical control practices

▼ Crops

Apples
Grapes
Potatoes

▼ Pests Controlled

Apple scab
Botrytis bunch rot
Powdery mildew
Early blight
Brown leaf spot
White mold

▼ Pests Suppressed

Black dot

▼ Labels and MSDS

Luna Tranquility Label

Luna Tranquility MSDS

▼ Province of Registration

Alberta
British Columbia
Manitoba
New Brunswick
Newfoundland
Northwest Territories
Nova Scotia
Nunavut
Ontario
Prince Edward Island
Quebec
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