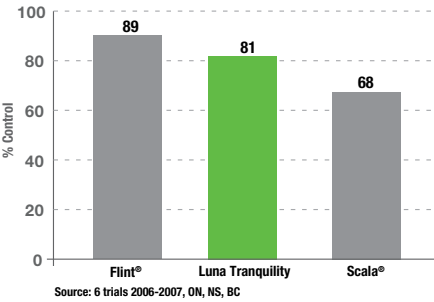
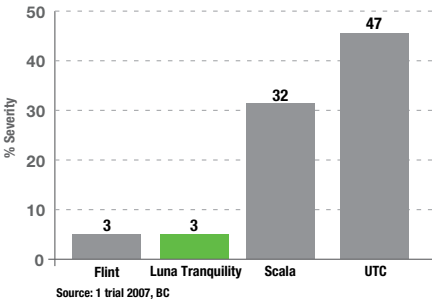


| DISEASE CONTROL | RATE | APPLICATION TIMING | MAXIMUM APPLICATIONS | PRE-HARVEST INTERVAL (DAYS) |
|--|-------------------------|---|--|--|
| Small Berries: Crop Sub Group 13-07A: Caneberries, Crop Sub Group 13-07B: Bushberries (except highbush cranberry), Crop Sub Group 13-07G: Low growing berry subgroup (except bearberry and cranberry) | | | | |
| Powdery mildew (<i>Sphaerotheca spp.</i>) | 1200 mL/ha (486 mL/ac.) | Begin applications preventatively. Continue as needed, on a 7-14 day interval. When disease pressure is severe use shorter intervals. | Do not exceed 4 L of Luna Tranquility per hectare per season. Do not make more than 2 sequential applications of Luna Tranquility or any Group 7 or Group 9 containing fungicide. | 1 (strawberry) 7 (gooseberries) For other crops Luna Tranquility may be applied the day of harvest |
| Botrytis grey mould (<i>Botrytis cinerea</i>) | | Begin fungicide applications preventatively. Make first application at early flowering and repeat applications as required at 7-10 day intervals. In order to maximize latent disease control post harvest, apply the last application on the final PHI day. Apply maximum of 2 applications per season for <i>Botrytis</i> . | It is recommended to only use Luna Tranquility to control powdery mildew when the timing of application coincides with the timing of Botrytis grey mould. | |
| Tomato | | | | |
| Early blight (<i>Alternaria solani</i>) Septoria leaf spot (<i>Septoria lycopersici</i>) | 800 mL/ha (324 mL/ac.) | Begin fungicide applications preventatively. Continue as needed, on a 7-12 day interval. | Do not exceed 4 L of Luna Tranquility per hectare per season. Do not make more than 2 sequential applications of Luna Tranquility or any Group 7 or Group 9 containing fungicide. | 1 |

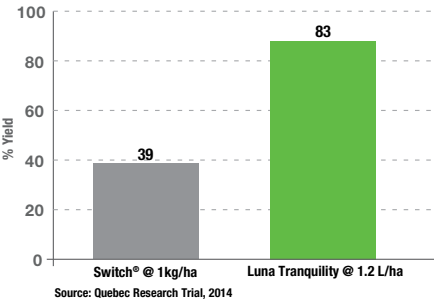
CONTROL OF APPLE SCAB ON LEAVES AND SHOOTS



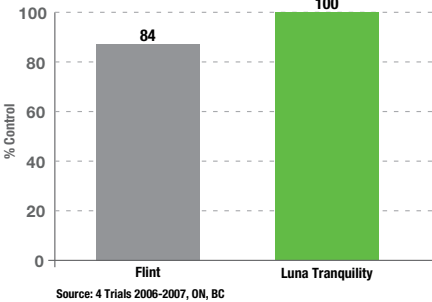
SEVERITY OF POWDERY MILDEW ON APPLE LEAVES



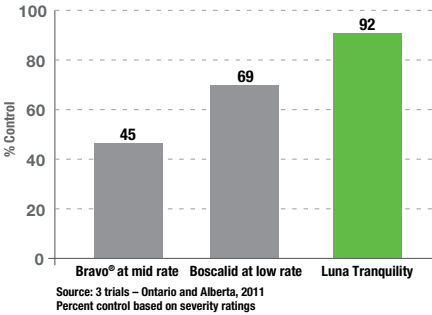
CONTROL OF BOTRYTIS AFTER 72 HOURS OF STORAGE – PERCENT YIELD



CONTROL OF POWDERY MILDEW IN GRAPES



EARLY BLIGHT CONTROL



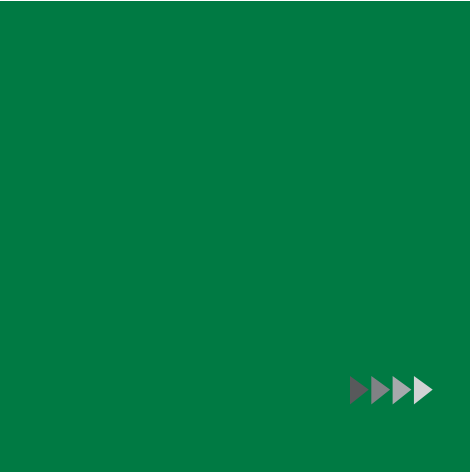
croppscience.bayer.ca or 1 888-283-6847 or contact your Bayer Representative.

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fact sheet



LUNA TRANQUILITY® –
A UNIQUE SPECTRUM
OF ACTIVITY FOR
UNPRECEDENTED
DISEASE CONTROL



did you know?

LUNA TRANQUILITY PROVIDES UNPARALLELED DISEASE PROTECTION FOR APPLES, GRAPES, POTATOES, TOMATOES, BULB VEGETABLES AND SMALL BERRIES.

FEATURES AND BENEFITS

- A broad spectrum fungicide with preventative, systemic, and post-infection (for apple scab) properties
- Provides latent disease protection post-harvest
- Is best suited for use in a preventative treatment program
- An all-in-one formulation with two active ingredients – Groups 7 & 9
- 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

- Thorough coverage is essential for maximum protection
- For pome fruits and bulb vegetables do not enter or allow worker entry within 24 hours after application to carry out hand thinning activities
- For grapes, do not enter, or allow worker entry, within 24 hours after application to carry out cane turning, girdling, training, tying, pruning, thinning and leaf pulling activities
- For all other worker activities, do not enter or allow worker entry into treated areas within 12 hours after application
- 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

MODE OF ACTION

- Group 7 (Fluopyram) and Group 9 (Pyrimethanil) fungicides

FORMULATION AND PACKAGING

- 500 g/L suspension concentrate
- Available in 2 L and 4.86 L jugs

| DISEASE CONTROL | RATE | APPLICATION TIMING | MAXIMUM APPLICATIONS | PRE-HARVEST INTERVAL (DAYS) |
|--|-------------------------|---|--|-----------------------------|
| Bulb Vegetables: Chive (fresh leaves), Chinese chive (fresh leaves), Daylily (bulb), Elegans hosta, Fritillaria (bulb and leaves), Garlic bulb, Garlic bulb (great headed and Serpent), Kurrat, Lady’s leek, Leek, Lily (bulb), Onion (Beltsville bunching, Bulb, Chinese bulb, Fresh, Green, Macrostem, Pearl, Potato bulb, Tree tops, and Welsh tops), Shallot (bulbs and fresh leaves), Wild leek. | | | | |
| Botrytis leaf blight, Purple blotch, Stemphylium leaf blight (<i>suppression</i>) | 1200 mL/ha (486 mL/ac.) | Begin fungicide applications preventatively. Continue as needed, on a 7-12 day interval. | Do not apply more than 2 sequential applications and do not exceed 3.6 L of Luna Tranquility per hectare per season. Apply maximum of 2 applications per season for <i>Botrytis</i> . | 7 |
| 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. | Do not apply more than 3 applications to control powdery mildew if fewer than 12 fungicide applications are made in a season. | 7 |
| Botrytis bunch rot / Grey mould (<i>Botrytis cinerea</i>) | 1200 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. | 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. Apply maximum of 2 applications per season for <i>Botrytis</i> . | |

| DISEASE CONTROL | RATE | APPLICATION TIMING | MAXIMUM APPLICATIONS | PRE-HARVEST INTERVAL (DAYS) |
|---|---------------------------|---|---|-----------------------------|
| Pome Fruit: Apple, Azarole, Crabapple, Mayhaw, Medlar, Pear, Pear (Asian), Quince, Quince (Chinese and Japanese), Tejocote, and cultivars, varieties, and/or hybrids of these. | | | | |
| Powdery mildew <i>(Podosphaera leucotricha)</i> | 600 mL/ha (243 mL/ac.) | Begin applications preventatively. Continue applications as needed on a 7-14 day interval. | Do not apply more than 4 applications and do not exceed 3.2 L of Luna Tranquility per hectare per season. | 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 | 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. | |
| Potatoes | | | | |
| Early blight <i>(Alternaria solani)</i> Brown leaf spot <i>(Alternaria alternata)</i> | 600 mL/ha (243 mL/ac.) | Begin fungicide applications preventatively. Continue as needed on a 7-14 day interval. When disease pressure is severe, use the shorter intervals. | Do not apply more than 3.2 L of Luna Tranquility per hectare per season. | 7 |
| White mould <i>(Sclerotinia sclerotiorum)</i> Black dot (suppression) <i>(Colletotrichum coccodes)</i> | 800 mL/ha (324 mL/ac.) | | Do not make more than 2 sequential applications of Luna Tranquility or any Group 7 or Group 9 containing fungicide. | |