



Luna[®] EXPERIENCE

FACT SHEET

Luna[®] Experience in pistachios.

Luna Experience fungicide offers exceptional in-field control of a range of diseases in many horticultural crops. Specific to pistachios, Luna Experience is now registered as a new option for controlling infections of botrytis blight and suppression of botryosphaeria panicle and shoot blight through critical growth stages of pistachio crops, including flowering & nut development. Its unique chemistry is designed to deliver long-lasting protection that will provide an added level of security for pistachio growers.

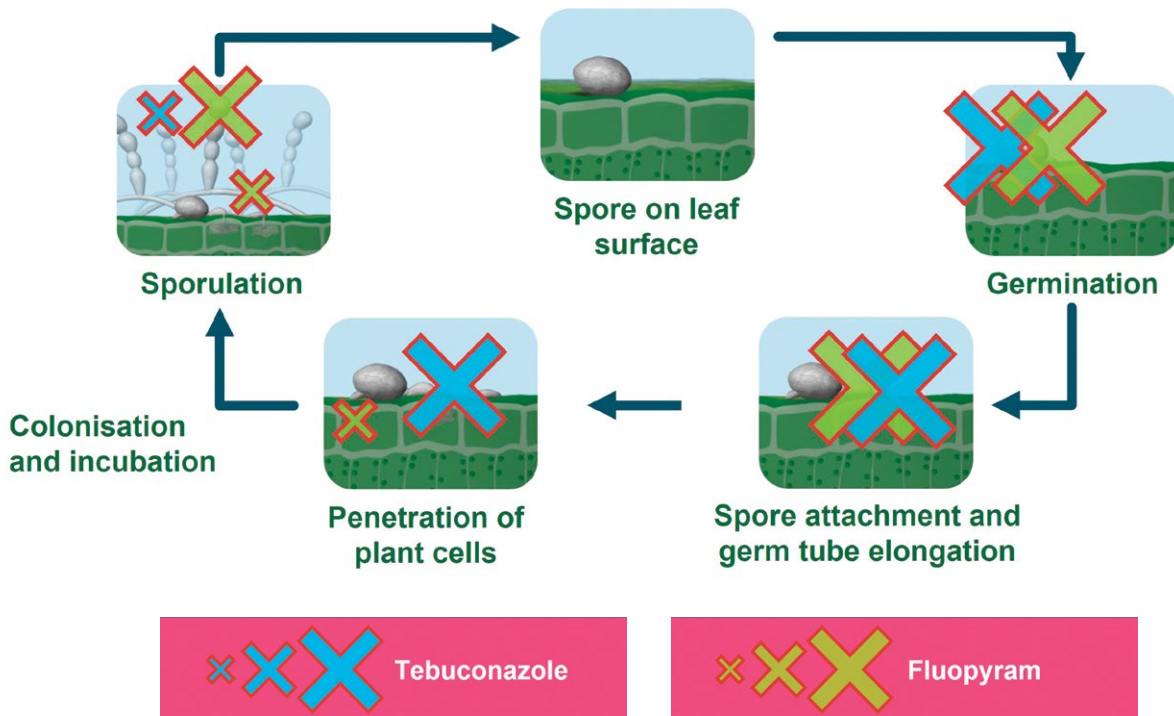
HOW IT WORKS

Luna Experience is a unique combination of the active ingredient fluopyram, a novel fungicide within the 'SDHI' family (Group 7), and tebuconazole (Group 3). The combined formulation targets key diseases of pistachios such as botrytis blight, botryosphaeria panicle and shoot blight, providing growers with an alternative option in their disease management programs. Fluopyram reduces a fungi's ability to germinate, colonise and sporulate on the plants' surface. Physically it protects the plant parts by adhering to the leaf surface and slowly penetrating into the leaf over time. As a systemic

fungicide, both active ingredients are redistributed around the plant from the base of the stem to leaf tips. This results in uniform distribution throughout the leaf and a high level of disease control. Luna Experience also has a translaminar effect, which allows the movement of product from the top side of leaves to the underside, thereby protecting the plant's untreated surfaces.



FLUOPYRAM AND TEBUCONAZOLE COMPLEMENTARY ACTIVITY ON FUNGAL LIFE CYCLE*



*Not specific to any pathogen

Luna Experience at a glance

Crop: Pistachios

Target disease: botrytis blight, botryosphaeria panicle and shoot blight

Use rate: 50 mL/100 L

Active ingredients: Fluopyram (Fungicide Group 7) and tebuconazole (Fungicide Group 3)

Application timing: Apply as part of a preventative disease spray program. Begin applications at flower bloom, prior to disease development. Intervals between applications should be approximately 20-22 days (botrytis blight) and 21-28 days (botryosphaeria panicle and shoot blight), but modified for locality and disease conditions. Use the shorter interval when applied during conditions favourable to disease development. Luna Experience should be diluted with sufficient water to ensure thorough coverage of the entire tree canopy and all fruiting parts of each tree.

Maximum sprays: Apply a maximum of 2 applications to any pistachio block in a 12-month period. DO NOT apply more than 1.25 L/ha of Luna Experience per application.

Withholding period: No withholding period required.

Rainfastness: Luna Experience should be applied at least 4 hours prior to rainfall or overhead irrigation.

Re-entry: After spray has dried.

Compatibility: Compatible with most commonly used insecticides and fungicides. For further details, please contact your reseller or local Bayer Crop Science representative.

Formulation: Suspension concentrate containing 200 g/L fluopyram and 200 g/L tebuconazole

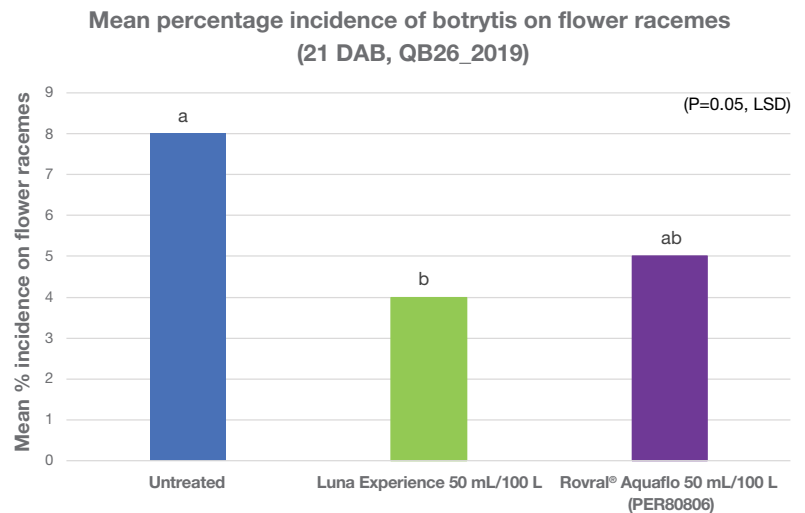
Supportive Trial Results

(Horticulture Innovation Australia Project ST17000*)

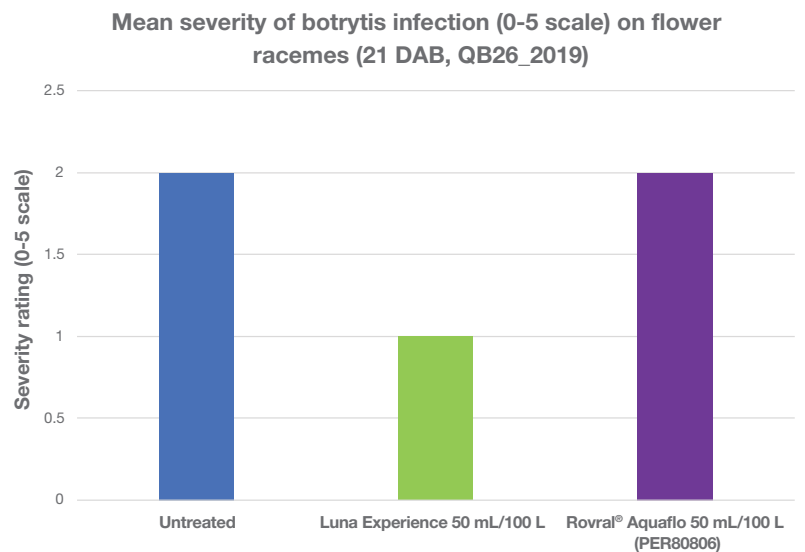


In trial conditions which provided low-moderate botrytis blight pressure, Luna Experience provided a comparable level of disease incidence control to the field standard, when applied in 2 sprays commencing at full flowering.

Location: Dareton, NSW / Variety: Sirora / App A – 13/10/2017
– full flowering / App B – 02/11/17



Luna Experience also numerically reduced the botrytis blight disease severity[^] on flower racemes, when compared to the untreated control & field standard treatments, although no statistical differences could be established between treatments.



[^]Severity of infection on each raceme was rated on the following scale:

1 = <20% flower/nut surface affected by disease; 2 = 21-40% flower/nut surface affected by disease; 3 = 41-60% flower/nut surface affected by disease; 4 = 61-80% flower/nut surface affected by disease; 5 = 81-100% flower/nut surface affected by disease

*This project, "Generation of data for pesticide applications in horticulture crops 2018 (ST17000)", has been funded by Hort Innovation, using industry levies and contributions from the Australian Government. Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australian horticulture.





Bayer recommends that Luna Experience is always used according to the most recent registered label.
Bayer CropScience Pty Ltd ABN 87 000 226 022. Level 4, 109 Burwood Rd, Hawthorn VIC 3122. Technical enquiries: 1800 804 479
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