



New Pest Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2017-4289
Application: New Pest
Product: Timorex Gold
Registration Number: 30910
Active ingredients (a.i.): Tee tree oil
PMRA Document Number (English PDF): 2851274

Background

Timorex Gold was first registered May 23, 2013. It is registered for foliar application every 7-14 days at 1-15 L/ha (0.223 - 3.35 kg ai/ha) in 200-1500 L water/ha, with rate ranges and spray volumes depending on disease-crop combination, for the control of powdery mildew in greenhouse tomato, greenhouse pepper and field pepper and grape, the suppression of powdery mildew in strawberry, the suppression of downy mildew in grape and greenhouse cucumber, and the suppression of late blight in potato and greenhouse tomato, and the control of grey mold in strawberry, raspberry, blueberry (lowbush and highbush) and greenhouse tomato. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

New disease claims were requested under this application for Timorex Gold applied foliarly every 7-14 days, including:

- a claim control of botrytis, caused by *Botrytis cinerea*, in crops within crop subgroup 13-07F (Small Fruit Vine Climbing Subgroup) at 1.5-2.0 L/ha; and,
- a claim of suppression of early blight in crops within crop subgroup 8-09A at 1.5-1.88 L/ha.

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessments

Health and environmental assessments were not required as there was no overall change to the use pattern, including host crops, application methods, timings and rates.

Value Assessment

Value information was submitted in the form of performance data generated in small-scale greenhouse and field trials and was adequate to support a subset of requested disease claims. Data demonstrated that control of botrytis bunch rot in grape can be expected when Timorex

Gold is applied preventatively or at early disease onset at rates of 1.5 to 2.0 L/ha every 7-14 days, with more consistent control at the upper end of the rate range. Field and greenhouse data collectively supported a claim of suppression of early blight of field tomato for Timorex Gold applied at 1.5-1.88 L/ha every 7-14 days.

The availability of Timorex Gold to control bunch rot caused by *Botrytis cinerea* in grape and suppress early blight caused by *Alternaria solani* in field tomato will provide an additional option for both conventional and organic growers to combat these diseases. Tea tree oil may help to mitigate the development of resistance of plant disease pathogens to conventional fungicides registered for the control or suppression of these diseases in that it belongs to a different mode of action group (FRAC group 46) and since there is no known resistance.

Conclusion

The PMRA has completed an assessment of the subject application and has concluded that the submitted value information is adequate to support a claim of control of bunch rot caused by *Botrytis cinerea* in grape at 1.5-2.0 L/ha as well as a claim of suppression of early blight caused by *Alternaria solani* in field tomato at 1.5-1.88 L/ha when foliarly applied preventatively or during early onset of disease every 7-14 days.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2796143	2017, APPENDIX 2 Trial Reports_Timorex Gold, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.2,10.2.3.3,10.3,10.3.1,10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4
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