

Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2013-1756
Application: Tank-mixes
Product: Luna Tranquility Fungicide
Registration Number: 30510
Active ingredients (a.i.): Fluopyram, pyrimethanil
PMRA Document Number: 2319753

Background

Luna Tranquility Fungicide was first registered in Canada on June 4, 2012. This suspension concentrate contains 125 g fluopyram and 375 g pyrimethanil per litre. It is registered for control of powdery mildew, botrytis bunch rot and gray mould on wine grapes as well as powdery mildew and scab on apples.

Purpose of Application

The purpose of this application is to add one tank-mix partner, Dithane DG Rainshield NT Fungicide (75% mancozeb; Reg. No. 20553), to the Luna Tranquility Fungicide label for resistance management of apple scab (*Venturia inaequalis*). Dithane DG Rainshield NT is proposed for use at the reduced rate of 3.0 kg/ha.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern of Luna Tranquility remains the same.

Value Assessment

The purpose of the proposed tank-mix is to minimize the risk of resistance development in *V. inaequalis* populations and thus maintain the efficacy of single-site chemistries in Luna Tranquility Fungicide. Both tank-mix partners are registered for apple scab control and have compatible application timings with respect to crop and pest staging. Use history from agricultural bulletins confirms that mancozeb-containing fungicides are commonly used as tank-mix partners in apple scab resistance management at a reduced rate of 3.0 kg/ha.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register a tank-mix of Luna Tranquility Fungicide and Dithane DG Rainshield NT at 3.0 kg/ha.

References

- 2285197 2013, Luna Tranquility Fungicide in tankmix with reduced rate EBDC fungicides for resistance management in *Venturia inaequalis* in apple.

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