

Evaluation Report for Category B Subcategory 3.4 Application

Application Number: 2008-0019
Application: 3.4 - New Application Method
Product: Scala SC Fungicide
Registration Number: 28011
Active ingredients (a.i.): pyrimethanil
PMRA Document Number : 1760025

Purpose of Application

The purpose of this submission is to amend the label of Scala SC Fungicide to include aerial application for the use on potatoes.

Chemistry Assessment

A chemistry assessment was not required for this application as there was no change in the formulation.

Health Assessments

An occupational risk assessment was performed for aerial application of Scala SC Fungicide to potatoes. No unacceptable risk is expected for handlers mixing, loading and applying or for workers re-entering treated fields for post-application activities when they follow the label directions and wear the personal protective equipment identified on the label.

A comparison of the proposed label and the currently registered label of Scala SC Fungicide has shown that the rate and timing of the aerial application to potatoes are the same as the registered ground application. As such, no increase in the magnitude of pyrimethanil residues in/on potatoes is expected. Accordingly, no increase in dietary exposure is anticipated.

Environmental Assessment

The application rate, number of applications, timing of application and tank mix partner for the aerial use of Scala SC Fungicide on potatoes are the same as those currently registered for the ground use of this product on potatoes. Therefore, the proposed use should not pose any additional environmental concern provided that adequate buffer zones are respected. For aerial applications, buffer zones up to 10 metres are required to protect sensitive aquatic habitats from spray drift. Additional instructions on the label indicate that the user must follow the most restrictive buffer zone of the tank mix partners and must apply the tank mix using the coarsest spray category indicated on the labels for those tank mix partners.

Value Assessment

Three field trials conducted in Ontario and Manitoba in 2007 were submitted to support an application to amend the label of Scala SC Fungicide to include aerial application to potatoes. In all three trials, simulated aerial applications were conducted by spraying plots with a reduced spray volume of 40-45 L/ha and comparing the resulting efficacy with that obtained by spraying plots with a standard spray volume (200 L/ha). In all trials, aerial simulation treatments of Scala SC Fungicide at 300 g a.i./ha in a tank mix with Bravo 500 Fungicide applied full season gave equivalent control of Early Blight in potatoes compared with standard ground applications. Therefore, the claim to include aerial application for early blight control in potatoes is supported.

Conclusion

Scala SC Fungicide is acceptable to be applied by aerial application on potatoes.

References

- 1531223 2007, Scala SC Fungicide - Efficacy Data in Support of Aerial Application in Potato, DACO: 10.1,10.2.3.3(D)

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