

Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2010-1497
Application: Changes to product label – new pests, site or host
Product: Astound Fungicide
Registration Number: 29648
Active ingredients (a.i.): Cyprodinil (CYP) and Fludioxonil (FLD)
PMRA Document Number : 1973569

Purpose of Application

The purpose of this application is to convert the registration of Astound Fungicide (Registration number 29648), containing the active ingredients cyprodinil and fludioxonil, from conditional to full. The product was registered on condition that trials be provided to demonstrate that Astound Fungicide is effective in controlling sclerotinia stem rot caused by *Sclerotinia sclerotiorum* on canola via aerial application.

Value Assessment

Three trials were submitted to support the claim of control of sclerotinia stem rot on canola using aerial application of Astound Fungicide. Sclerotinia stem rot pressure was moderate to high across the three trials provided. Astound Fungicide applied once at 484 g a.i./ha (775 g product/ha, comparable to the lowest rate on the label) resulted in significantly lower levels of disease incidence (75-89% disease reduction) when compared to the untreated control. There was no significant difference in the degree of control whether applied in 200 L water or 30 L water in any of the trials. Similarly, yield was consistently higher in the Astound Fungicide treated plots compared to untreated plots and no significant difference was noted whether applied in low or high water volumes. Although a lower volume of water (30L/ha instead of 45L/ha) was used in the trials it is sufficient to simulate aerial application.

Chemistry, Health and Environmental Assessment

Assessments of chemistry, health and environment were not required for this application.

Conclusion

The PMRA has completed an assessment of available information for Astound Fungicide and has found the information sufficient to support the full registration of Astound Fungicide.

References

- 1892454 2010, Efficacy Summary, Aerial application efficacy data on canola.
DACO 10.2.3.3
- 1892456 2009, Efficacy data for aerial application on canola, Trial ID CAMBOF6622009.
- 1892457 2009, Efficacy data for aerial application on canola, Trial ID CAMBOF6632009.
- 1892458 2009, Efficacy data for aerial application on canola, Trial ID CAMBOF6642009.

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