



Evaluation Report for Category C Streamlined Application

Application Number: 2008-1282
Application: Streamlined Category C
Product: Axial 100EC Herbicide
Registration Number: 28642
Active ingredients (a.i.): pinoxaden
PMRA Document Number: 1634978

Background

Axial 100EC Herbicide is registered for use in the Prairie Provinces and the Peace River region, Okanagan and Creston Flats regions of British Columbia on spring wheat and barley. It may be applied post emergent at a rate of 60g a.i./ha. Tilt 250E Fungicide, containing the active ingredient propiconazole, is registered for use nationally in wheat, barley, corn, canola, oat, canaryseed, and legume vegetables including soybean, and in the Prairie provinces for timothy hay as a foliar fungicide for use at 62.5 g a.i./ha or 125 g a.i./ha. For specific details of uses, application rates, methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Axial 100EC Herbicide (Reg. No. 28642) containing the technical active ingredient pinoxaden (100g/L) to include a tank mix with Tilt 250E Fungicide (Reg. No. 19346)+ Adigor adjuvant (Reg. No. 28151) for the control of weeds appearing on the Axial 100EC Herbicide label in addition to suppression or control of diseases in spring wheat and barley as per the Tilt 250E Fungicide label.

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, including host crops, application rates and timings, of the component products remained unchanged.

Value Assessment

Data were submitted from a total of 14 field trials conducted in 2007 from Manitoba, Saskatchewan and Alberta. Efficacy and crop safety of the tank mixture of Axial 100EC Herbicide + Tilt 250E Fungicide + Adigor adjuvant were directly compared to that of the registered stand alone treatment of Axial 100EC Herbicide + Adigor adjuvant.

The performance of the tank mixture of Axial 100EC Herbicide + Tilt 250E Fungicide + Adigor adjuvant was similar to that of the registered alone treatment of Axial 100EC Herbicide + Adigor adjuvant for control of weed species listed on the Axial 100EC Herbicide label. Performance was also similar in terms of crop safety, assessed as percent visual crop injury and yield (as a percent of the untreated control). Note a separate VSAD review was conducted (Application # 2008-1280, PMRA # 1587438) to evaluate the efficacy of Tilt 250E Fungicide.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of the Axial 100EC Herbicide label to include a tank mix with Tilt 250E Fungicide + Adigor adjuvant for the control of weeds appearing on the Axial 100EC Herbicide label.

References

- PMRA # 1578804 Value Summary 2008. Syngenta Crop Protection Canada Inc. DACO's: 10.1, 10.2.3.1. pp. 15.
- PMRA # 1578807 Fungicide Efficacy: Small scale trials 2008. Syngenta Crop Protection Canada Inc. DACO: 10.3.1, 10.3.2 pp. 34
- PMRA # 1578808 Herbicide Efficacy: Small scale trials 2008. Syngenta Crop Protection Canada Inc. DACO: 10.3.1, 10.3.2 pp. 34

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