



Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2007-4368
Application: Category C, Subcategory 3.10
Product: Primextra II Magnum
Registration Number: 25730
Active ingredients (a.i.): s-metolachlor at 400 g/L and atrazine at 320 g/L
PMRA Document Number: 1598798

Background

The tank mix of Primextra II Magnum (PCP 25730) at 1800 g a.i./ha + glyphosate at 900 g a.e./ha is registered for post-emergence application to glyphosate tolerant corn up to and including the crop 6-leaf stage. A number of glyphosate products are registered for use in this two-way tank mix: Roundup Original, Roundup Transorb, Glyfos, Credit Plus, Vantage, Vantage Plus, and Renegade. The tank mix of Primextra II Magnum at 2160-2880 g a.i./ha + glyphosate at 850-900 g a.e./ha + a surfactant (Agral 90 or Ag-Surf) is registered for surface preplant and pre-emergent applications in Eastern Canada only. The following glyphosate products are registered for use in the surface preplant and pre-emergent tank mix: Touchdown 480, Touchdown 600, Touchdown Total, Touchdown iQ, Roundup Original, Roundup Transorb, Roundup Dry, Glyfos, Credit, Vantage, Vantage Plus or Renegade. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

An application was submitted to amend the registration of Primextra II Magnum Herbicide to include the following tank mixture for post-emergence use on glyphosate tolerant field corn applied up to the 6-leaf stage:

- 1) Primextra II Magnum at 1800 g a.i./ha + Touchdown Total Herbicide (PCP 28072) at 900 g a.e./ha,
- 2) Primextra II Magnum at 1800 g a.i./ha + Touchdown iQ Liquid Herbicide (PCP 27192) at 900 g a.e./ha, and
- 3) Primextra II Magnum at 1800 g a.i./ha + Roundup Weathermax Herbicide (PCP 27487) at 900 g a.e./ha + Agral 90 or AgSurf.

Additionally, the application includes the following tank mixture for pre-plant surface or pre-emergent use on corn:

Primextra II Magnum at 2160-2880 g a.i./ha + Roundup Weathermax Herbicide (PCP 27487) at 850 - 900 g a.e./ha + Agral 90 or AgSurf.

Chemistry Assessment

A chemistry assessment was not required since there was no change to product chemistry.

Health Assessments

Health assessments were not required as the requested amendment fell within the registered use pattern for glyphosate.

Environmental Assessment

An environmental assessment was not required as the requested amendment fell within the registered use pattern for glyphosate.

Value Assessment

Data were previously reviewed under Application Number 2007-0156. It was concluded that the submitted data supported the amendment to include the tank mix of Primextra II Magnum Herbicide with a glyphosate herbicide (one of Roundup Original, Roundup Transorb, Glyfos, Credit Plus, Vantage, Vantage Plus or Renegade). However, all the glyphosate products that were added to the Primextra II Magnum Herbicide label were registered for post-emergent use alone in glyphosate tolerant corn.

At the time the subject application was submitted to PMRA, glyphosate tolerant corn was not included in the registration of Touchdown Total and Touchdown iQ, but was included in the registration of Roundup Weathermax.

Efficacy and crop tolerance data were submitted and reviewed under two related applications (Appl. Nos. 2007-4423 and 2007-4424). The registrations of Touchdown Total Herbicide and Touchdown iQ Liquid Herbicide were amended to include a tank mix with Primextra II Magnum Herbicide for application to glyphosate tolerant corn. These data were directly related to the subject application.

The data provided in Appl. Nos. 2007-4423 and 2007-4424 supported the amendment for post-emergence application to glyphosate tolerant corn. The following tank mixes were added to the Touchdown Total and Touchdown iQ labels:

- 1) Primextra II Magnum at 1800 g a.i./ha + Touchdown Total Herbicide (PCP 28072) at 900 g a.e./ha and
- 2) Primextra II Magnum at 1800 g a.i./ha + Touchdown iQ Liquid Herbicide (PCP 27192) at 900 g a.e./ha.

Since Roundup Weathermax is registered for use on glyphosate tolerant corn, it is acceptable to amend the Primextra II Magnum label to include Roundup Weathermax as a tank mix partner for post-emergent use in glyphosate tolerant corn.

At the same rates of active ingredient, it is expected that the performance, in terms of both efficacy and crop safety, of a tank mixture of Roundup Weathermax plus Primextra II Magnum would be similar to that of a tank mixture of Primextra II Magnum plus another glyphosate product listed on the Primextra II Magnum label, including Touchdown Total and Touchdown iQ. Note that a surfactant is required for the Roundup Weathermax + Primextra II Magnum tank mix.

Additionally, it is expected that the performance of the tank mixture of Primextra II Magnum + Roundup Weathermax + Agral 90 or Ag-Surf applied pre-plant surface or pre-emergence would be similar to that of the registered tank mix of Primextra II Magnum + other glyphosate products (Touchdown 480, Touchdown 600, Touchdown Total, Touchdown iQ, Roundup Original, Roundup Transorb, Roundup Dry, Glyfos, Credit, Vantage, Vantage Plus or Renegade) at the same application rate. Therefore, the proposed pre-plant surface or pre-emergence tank mix is supported.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Primextra II Magnum Herbicide to include the tank mixtures of:

- 1) Primextra II Magnum at 1800 g a.i./ha + Touchdown Total Herbicide (PCP 28072) at 900 g a.e./ha;
- 2) Primextra II Magnum at 1800 g a.i./ha + Touchdown iQ Liquid Herbicide (PCP 27192) at 900 g a.e./ha; and
- 3) Primextra II Magnum at 1800 g a.i./ha + Roundup Weathermax Herbicide (PCP 27487) at 900 g a.e./ha + Agral 90 or AgSurf for post-emergence use on glyphosate tolerant field corn applied up to and including the 6-leaf stage.

Additionally, information was sufficient to amend the registration of Primextra II Magnum to include the following tank mixture for pre-plant surface or pre-emergent use on corn:

Primextra II Magnum at 2160-2880 g a.i./ha + Roundup Weathermax Herbicide (PCP 27487) at 850 - 900 g a.e./ha + Agral 90 or AgSurf.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

None

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