Evaluation Report for Category B, Subcategory 3.1, 3.2 Application

Application Number: 2015-0703
Application: New or Changes to Product Labels-Application Rate Increase or Decrease
New or Changes to Product Labels-Application Timing
Product: Touchdown Total Herbicide
Registration Number:28072
Active ingredients (a.i.): Glyphosate
PMRA Document Number : 2522643

Purpose of Application

The purpose of this application was to expand the use pattern of this end-use product to include the second generation glyphosate-tolerant canola for control of labeled weeds with new application rates.

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Health Assessments

The use of Touchdown Total Herbicide on second generation glyphosate tolerant canola is not expected to result in potential occupational or bystander exposure over the registered use of glyphosate. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Residue data from field trials conducted in Canada and the United States were submitted to support the domestic use of Touchdown Total Herbicide on second generation glyphosate-tolerant canola. Glyphosate (present as potassium salt) was applied to DP-Ø73496-4 canola (also known as Optimum Gly Canola) at a pre-emergent rate of 1.7-1.8 kg a.e./ha followed by one or two post-emergent application(s) at the combined rate of 1.8-1.9 kg a.e./ha, and harvested according to label directions. In addition, a processing study in treated DP-Ø73496-4 canola was reviewed to determine the potential for concentration of residues of glyphosate into processed commodities. No increase in dietary exposure to glyphosate is expected. The resulting residues will be covered by the established MRL of 20 ppm for glyphosate and the metabolites *N*-acetylglyphosate, *N*-acetyl AMPA and AMPA, on rapeseeds (canola) and will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

Value Assessment

Touchdown Total Herbicide is currently registered for post-emergence

application at 0.6-1.35 L/ha on glyphosate tolerant canola from the 0-6 leaf stage. Inclusion of the second generation glyphosate tolerant canola (also referred to as Optimum Gly canola) will allow the application of Touchdown Total Herbicide during an extended period of time, i.e., from emergence to the 1st flower stage, with a higher application rate at up to 1800 g a.e./ha for control of a broader spectrum of weeds.

Value information submitted demonstrated that the second generation glyphosate tolerant canola can be expected to have an adequate margin of crop safety to Touchdown Total Herbicide when applied in accordance with the label instructions. The value information included data from 26 field trials conducted in Alberta, Manitoba, Saskatchewan, North Dakota, and Washington State in 2010 and 2013.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product Touchdown Total Herbicide, and has found the information sufficient to expand the use pattern of this end-use product to include the second generation glyphosate-tolerant canola.

References

PMRA#	Reference
2507897	2014, Biological assessment dossier for crop response in canola containing event DP Ø73496-4 (Optimum Gly) glyphosate-tolerant trait – Canada. DACO: 10.1, 10.3.1, and 10.3.2(A).
2507901	2015, Magnitude and decline of glyphosate related residues in seed of genetically modified dp-ø73496-4 canola following applications of touchdown total® herbicide - united states and canada locations, season 2013, DACO: 7.4.1,7.4.2
2507902	2015, Magnitude and decline of glyphosate related residues in seed of genetically modified dp-ø73496-4 canola following applications of touchdown total® herbicide - united states and canada locations, season 2013, DACO: 7.4.1,7.4.2
2507903	2015, Magnitude and decline of glyphosate related residues in seed of genetically modified dp-ø73496-4 canola following applications of touchdown total® herbicide - united states and canada locations, season 2013, DACO: 7.4.1,7.4.2
2507899	2013, Magnitude and decline of glyphosate related residues in forage and seed of genetically modified canola event dp- ø73496-4 and magnitude of glyphosate related residues in canola event dp- ø73496-4 seed process fractions following applications of touchdown total® herbicide - locations in the united states and canada, season 2009, DACO: 7.4.5
2507900	2013, Magnitude and decline of glyphosate related residues in forage and seed of genetically modified canola event dp- ø73496-4 and magnitude of glyphosate related residues in canola event dp- 73496-4 seed process fractions following applications of touchdown total® herbicide - locations in the united states and canada, season 2009, DACO: 7.4.5

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