

Evaluation Report for Category B, Subcategory B.3.1,B.3.10,B.3.11,B.3.12,B.3.9 Application

Application Number: 2015-0978
Application: Changes to Product Labels, Application Rate Increase, Level of Control, Tank Mixes, New Pests and New Site or Host.
Product: Vantage Plus Max II Herbicide
Registration Number: 28840
Active ingredients (a.i.): Glyphosate
PMRA Document Number : 2634743

Purpose of Application

The purpose of this application was to amend the application rates of Vantage Plus Max II Herbicide, add new crops and add new tank mixes on the label.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

No new residue data for glyphosate were submitted to support the use of Vantage Plus Max II Herbicide on the glyphosate tolerant crops Optimum Gly canola, Truflex Roundup Ready canola, Roundup Ready 2 Yield soybeans and Roundup Ready 2 corn.

Previously reviewed residue data from field trials with glyphosate were reassessed in the framework of this petition. Additionally, the currently registered uses of glyphosate on these glyphosate tolerant crops were compared to the uses with the current application.

Based on this assessment, residues of glyphosate in/on Optimum Gly canola, Truflex Roundup Ready canola, Roundup Ready 2 Yield soybeans and Roundup Ready 2 corn, treated according to the approved use directions for Vantage Plus Max II Herbicide, will not increase and will be covered under the maximum residue limits (MRLs) currently established in Health Canada's MRL Database (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/index-eng.php>) for residues of glyphosate in/on rapeseeds (canola) at 20 ppm, in/on dry soybeans at 20 ppm and in/on field corn at 3 ppm.

Exposure from the use of Vantage Plus Max II Herbicide for the control of labelled weeds on Truflex Roundup Ready and Optimum Gly canola varieties, glyphosate tolerant soybean variety Roundup Ready2 Yield, and glyphosate tolerant corn, including Roundup Ready and equivalent varieties, fits within the registered use pattern for glyphosate. As such, exposure is not expected to increase over the currently registered use of glyphosate. No health risks of concern were

identified or are anticipated when workers follow the label directions and wear the personal protective equipment stated on the label.

Environmental Assessment

The existing spray buffer zones as well as other mitigation measures on the Vantage Plus Max II Herbicide label are acceptable.

Value Assessment

The inclusion of these glyphosate tolerant crops will allow the use of Vantage Plus Max II Herbicide at higher application rates to control a broader spectrum of weeds. It will provide growers a greater flexibility to employ Vantage Plus Max II Herbicide for weed management in these glyphosate tolerant crops.

Value information submitted included: crop tolerance data from two trials on TruFlex Roundup Ready canol;, 11 trials on Optimum Gly canola; three trials on Roundup Ready Corn 2; seven trials on Roundup Ready 2 Yield soybeans, and; efficacy information from the historic use of a similar product to Vantage Plus Max II Herbicide in the USA.

Crop tolerance information demonstrated that all these glyphosate tolerant crops can be expected to exhibit adequate margins of crop tolerance to Vantage Plus Max II Herbicide applied in accordance with the label instructions. Efficacy claims for these crops are supported based on use history information and precedent registrations of Vantage Plus Max II Herbicide.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Vantage Plus Max II Herbicide, and has found the information sufficient to amend the application rates of Vantage Plus Max II Herbicide, to add new crops and to add new tank mixes on the label.

References

PMRA Document Number	References
2511120	2015, 2012 RR2 Soybeans MB. HM21PGP1_243-12, DACO: 10.2.3.3.
2511121	2015, 2012 RR2 Canola MB. IP14MNT106, DACO: 10.2.3.3.
2511122	2015, 2013 RR2 Canola MB. 243-13, DACO: 10.2.3.3.
2511123	2015, 2012 RR2 Canola SK. IPCO 243-14 Canola, DACO: 10.2.3.3.
2511124	2015, 2012 RR2 Soybeans ON. SY12C2_243-12, DACO: 10.2.3.3.
2511125	2015, 2012 RR2 Soybeans ON. SY14C5, DACO: 10.2.3.3.
2511126	2015, 2012 RR2 Soybeans PQ 12-CT4447-FRA, DACO: 10.2.3.3.
2511128	2015, 2013 RR2 Soybeans PQ 13-CT4447-FRA, DACO: 10.2.3.3.
2511129	2015, 2014 RR2 Soybeans PQ 14-CT4447-FRA, DACO: 10.2.3.3.
2511130	2015, 2014 RR2 Soybeans PQ 14-CT4447-FRA, DACO: 10.2.3.3.

2511132 2015, 2013 RR2 Soybeans ON SY13C8, DACO: 10.2.3.3.
2511134 2015, Corn, Glyphosate Study Reports 2014, DACO: 10.3.2.

ISSN: 1911-8082

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