

Evaluation Report for Category B, Subcategory 3.10, 3.12 Application

Application Number: 2017-7584
Application: Changes to Product Labels-Tank Mixes and New Site or Host
Product: AC 299,263 120 AS Herbicide Solution
Registration Number: 26705
Active ingredient (a.i.): Imazamox
PMRA Document Number: 2968905

Purpose of Application

The purpose of this application was to amend the product label for AC 299,263 120 AS Herbicide Solution to add Clearfield Plus wheat, adjuvants and a tank-mix partner.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology review was not required for this application.

Label amendments for AC 299,263 120 AS Herbicide Solution, including the addition of Clearfield Plus wheat, alternate adjuvants, new tank-mix partner and increase in the container size, are not expected to increase the occupational exposure compared to the registered use pattern for imazamox, adjuvants and the new tank-mix. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No residue data for imazamox in wheat were submitted to support the addition of Clearfield Plus wheat to the label of AC 299,263 120 AS Herbicide Solution. Previously reviewed residue data from field trials conducted in/on Clearfield wheat were reassessed in the framework of this application. In addition, an acceptable rationale was submitted explaining why the metabolism of imazamox in Clearfield Plus wheat would be similar both qualitatively and quantitatively to Clearfield wheat.

A maximum residue limit (MRL) of 0.05 ppm is currently established for residues of imazamox in/on wheat (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/index-eng.php>).

As such, the residue data on file, the maximum residue limit of 0.05 ppm currently established for residues of imazamox in/on wheat, and the dietary exposure assessment for this active ingredient, are adequate to support the changes to the label of AC 299,263 120AS Herbicide Solution.

Residues of imazamox in/on treated wheat commodities as a result of this action will not increase and will not pose any health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of AC 299,263 120 AS Herbicide Solution is not expected to increase environmental exposure or risk, as compared to the previously registered application methods.

Value Assessment

Inclusion of Clearfield Plus Wheat as a Host Crop

Expansion of the registration of AC 299,263 120 AS Herbicide to include Clearfield Plus wheat as a host crop will provide Canadian growers with a tool to control both grasses and broadleaf weeds in this crop with a reduced potential of crop injury under certain stressful environmental conditions and overlap applications.

Crop tolerance data from small-scale field trials demonstrated that Clearfield Plus wheat varieties can be expected to have an adequate margin of crop tolerance to AC 299,263 120 AS Herbicide applied alone or in tank mixtures in accordance with the label instructions.

Addition of MSO Concentrate and Merge Adjuvant as Adjuvant Alternatives

The addition of MSO Concentrate with Leci-Tech and Merge Adjuvant as alternate adjuvant options will provide Canadian growers with greater flexibility to choose an available adjuvant for use with AC 299,263 120 AS Herbicide on Clearfield Plus wheat.

Value information submitted for review consisted of efficacy and crop tolerance data from small-scale field trials. It was demonstrated in these trials that the efficacy and crop tolerance of AC 299,263 120 AS Herbicide applied alone or in tank mixes with listed herbicides plus the labelled non-ionic surfactant were comparable to those of the same treatments plus MSO Concentrate with Leci-Tech or Merge Adjuvant at their respective label rates.

In addition, the inclusion of Starane II Herbicide as a tank mix partner is supported since it was previously determined to be agronomically similar to one of the labelled tank mix partners.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to amend the product label for AC 299,263 120 AS Herbicide Solution.

References

PMRA Document Number	References
2859890	2018, Nature of Imazamox Residues in Clearfield Plus Wheat, DACO: 6.3
2830534	2017, Application for the addition of Merge and MSO Concentrate as adjuvant options to the AC 299,263 120 AS Herbicide label for use in Clearfield Plus (imidazolinone tolerant) wheat varieties, DACO: 10.1, 10.2.3, 10.2.3.1, 10.2.3.3, 10.3.1, 10.3.2(A), 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, and 10.5.4.
2830535	2017, Field trial reports - AC 299,263 120 AS Herbicide + adjuvants, DACO: 10.2.3.3(B) and 10.3.2(A).

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