

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2010-5759
Application: New maximum residue limit (MRL) for previously assessed technical grade active ingredient
Product: Imazapyr Technical Herbicide
Registration Number: 23712
Active ingredients (a.i.): Imazapyr
PMRA Document Number : 2609876

Purpose of Application

The purpose of this application is to establish a maximum residue limit (MRL) for imazapyr in/on imported soybeans.

Imazapyr has been previously assessed by the PMRA and is currently registered for use in Canada to control a variety of broadleaf or grassy weeds, as well as select perennial shrubs and trees, on non-crop, non-graze areas; and to control a variety of broadleaf or grassy weeds as in/on canola and lentils.

Chemistry, Environmental and Value Assessments

Chemistry, environmental and value assessments were not required for this application.

Health Assessments

Residue data from field trials in Brazil for imazapyr in/on imazapyr-tolerant soybeans (Cultivance) were submitted to support the maximum residue limit in/on imported soybeans. In addition, processing studies in treated imazapyr resistant soybeans were reviewed to determine the potential for the concentration of residues of imazapyr in processed commodities.

The recommendation for MRLs for imazapyr in/on soybeans was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of imazapyr in/on soybeans and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit(s) (MRLs)						
Commodity	Application Method/	PHI (days)	Residues (ppm)	Experiment al	Currently Establishe	Recommende d MRL

	Total Application Rate (g a.i./ha))	LAF T	HAF T	Processing Factor	d MRL (ppm)	(ppm)
Cultivance soybean seed	Broadcast foliar/52.5	60	<0.05	2.8	Crude oil [0.035x]	None	4.0
		80	0.01	1.03			

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Conclusions

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of imazapyr in/on soybean. Residues in soybean commodities at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA Document Number	Reference
2071885	2010, Amendment 01 - Final report 1273-07 - Study of residues of Imazapyr and Imazapic in soybean cultivance (grains) after treatment with BAS 714 01 H under field conditions in Brazil for import tolerance, DACO: 7.4.1, 7.4.2
2071886	2010, Study of Residues of Imazapyr and Imazapic in Soybean Cultivance (grains) after treatment with BAS 714 01 H under field conditions in Brazil for Import Tolerance, DACO: 7.4.1, 7.4.2
2071887	2008, Study of Residues of Imazapyr and Imazapic in Soybean Cultivance (grains) after treatment with BAS 714 01 H, under field conditions in Brazil, DACO: 7.4.1, 7.4.2
2071889	2008, Study of Imazapyr in Soybean Cultivance (grains) after treatment with BAS 693 02H, under field conditions in Brazil., DACO: 7.4.1, 7.4.2
2071890	2008, Study of Imazapyr in Soybean Cultivance (grains) after treatment with BAS 693 02H, under field conditions in Brazil., DACO: 7.4.1, 7.4.2
2563309	2012, Residue study of Imazapyr and Imazapic in GMO soybean grains and aspirated grain fraction (AGF) after treatment with BAS 714 01 H under field conditions in Brazil, DACO: 7.4.1
2071891	2009, Study of residues of imazapyr and imazapic in soybean cultivance (grains) and processed fractions (meal, oil and flaked soybean) after treatment with BAS 714 01 H, under field conditions in Brazil, DACO: 7.4.5

1985805	2009, Study of residues of Imazapyr in soybean cultivance (grain) and processed fractions (meal, oil, and flaked soybean) after treatment with BAS 693 02 H, under field conditions in Brazil, DACO: 7.2.1, 7.3, 7.4.1, 7.4.2, 7.4.5
2504413	2011, Study of Residues of Imazapyr and Imazapic in Cultivance Soybean (Grains) after Treatment with BAS 714 01 H under Field Conditions in Brazil, DACO: 7.4.1
1985807	2004, Validation Study of SOP-PA.0249 for Determination of Residues of Imazapyr (BAS 693 H) in Soybean (Grain), DACO: 7.2.2, 7.2.3

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