

Evaluation Report for Category B, Subcategory 3.6, 3.10, 3.12 Application

Application Number: 2009-2420
Application: B.3.6 (Product labels- pre-harvest)
B.3.10 (Product labels – tank mixes)
B.3.12 (Product labels – new site)
Product: Venture L Herbicide
Registration Number: 21209
Active ingredients (a.i.): Fluazifop-p-butyl (FZA)
PMRA Document Number English PDF: 1855459

Purpose of Application

The purpose of this application was to add dry edible beans, a new tank-mix partner Reflex Liquid Herbicide (Registration number 24779; fomesafen) to the label of Venture L Herbicide (Registration number 21209; fluazifop-p-butyl) for use on dry edible beans and soybeans, and to reduce the pre-harvest interval for potatoes from 90 to 45 days. The proposed label change in pre-harvest interval for potatoes from 90 to 45 days cannot be entertained at this time since the active fluazifop-p-butyl is currently under re-evaluation.

Chemistry Assessment

A chemistry assessment was not required on this application

Health Assessments

The new use of Venture L Herbicide on dry edible beans should not result in an increase in potential occupational or bystander exposure over the registered uses of fluazifop-p-butyl. No unacceptable risk is expected when workers follow label directions and wear the personal protective equipment identified on the label.

Residue data for fluazifop-p-butyl in dry edible beans were submitted to support the use expansion of this active on the Venture L Herbicide label.

The use of the tank mix partner Reflex Liquid Herbicide (Registration number 24779; fomesafen) falls within the registered use pattern for this product; therefore, there is no increase in dietary exposure to fomesafen resulting from this use.

Maximum Residue Limit(s)

Based on the maximum residues observed in dry bean seeds treated according to label directions, maximum residue limits (MRLs) to cover residues of fluazifop-butyl (calculated as acid) in/on dry beans will be established as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under established MRLs for the raw agricultural commodity (RAC).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)

Commodity	Application Method/ Total Application Rate	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Dry beans	Postemergent foliar application/ 250 g a.i./ha	70-105	<0.01	0.059	Not applicable	None	0.15 ppm

Following the review of all available data, an MRL of 0.15 ppm for dry beans is recommended to cover residues of fluazifop-butyl (calculated as acid). Residues in dry beans at the established MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The proposal to add the crop dry edible beans, including as a tank-mix with Reflex Liquid Herbicide (fomaseen), and to reduce the pre-harvest interval on potatoes does not pose additional risk to the environment. The label has adequate environmental precautionary statements and buffer zone statements to mitigate the environmental concerns. No environmental deficiencies were noted, therefore, no additional review was needed.

Value Assessment

Crop tolerance and yield data were submitted from up to two dedicated crop tolerance trials conducted at two sites in southwestern Ontario in 2007. The data demonstrate that Venture L Herbicide and the tank mix of Venture L Herbicide + Reflex Liquid Herbicide do not cause unacceptable injury to dry edible bean (of the species *Phaseolus vulgaris*). Based on all available information, the addition of dry edible bean (of the species *Phaseolus vulgaris*) to the Venture L Herbicide label as well as the addition of the tank mix of Venture L Herbicide + Reflex Liquid Herbicide for use on dry edible bean (of the species *Phaseolus vulgaris*) can be supported from a crop tolerance perspective.

Conclusion

The PMRA has completed an assessment of available information and can support the addition of a new tank-mix partner on the label of Venture L Herbicide for use on dry edible beans and soybeans.

References

PMRA

Document

Number	Reference
1778174	1999, Fluazifop p-butyl Metabolism in Goat, DACO: 6.2
1778175	1999, Fluazifop p-butyl Metabolism in the Hen, DACO: 6.2
1778181	2001, Fluazifop p-butyl Metabolism in Soya, DACO: 6.3
1778185	2009, Summary of Available Data to Support the Registration of VENTURE L Herbicide on Dry Edible Beans, DACO: 7.1
1778188	1998, Residue Analytical Method for Total Fluazifop in Analyzed Crops, DACO: 7.2.1
1778190	1992, Determination of Total Fluazifop in Crops by Gas Chromatography, DACO: 7.2.1
1778194	2008, Fluazifop EC- Residue Levels on Edible Beans from Trials Conducted in Canada during 2007, DACO: 7.4.1
1778195	2009, Fluazifop EC- Residue Levels on Edible Beans from Trials Conducted in Canada during 2008, DACO: 7.4.1
1778196	1999, Fluazifop p-butyl- Residue Levels in Dry Beans from Trials Carried out in Spain during 1998, DACO: 7.4.1
1778207	1995, Fluazifop p-butyl- Confined Crop Rotation, DACO: 7.4.3
1778215	2009. Non-safety adverse effects. Summary. Syngenta Crop Protection Canada, Inc. 5 pgs. DACO 10.3.1.
1778217	Non-safety adverse effects. Syngenta Crop Protection Canada, Inc. 9 pgs. DACO 10.3.2.

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