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Proposed Maximum Residue Limit

PMRL2018-54

Fluazifop-butyl

(publié aussi en français)

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on various commodities to the product label of Venture L Herbicide, containing technical grade fluazifop-p-butyl, is acceptable. The specific uses approved in Canada are detailed on the label of Venture L Herbicide, *Pest Control Products Act* Registration Number 21209.

The evaluation of these fluazifop-p-butyl applications indicated that the end-use product has value, and the human health and environmental risks associated with the new uses are acceptable.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Residues of fluazifop-p-butyl, the resolved (*R*)-isomer, are covered by MRLs established for fluazifop-butyl, the unresolved isomeric mixture.

Consultation on the proposed MRLs for fluazifop-butyl is being conducted via this document (see Next Steps). A summary of the field trial data used to support the proposed MRLs can be found in Appendix I.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Canada's Notification Authority and Enquiry Point.

The proposed MRLs, to be added to the MRLs already established for fluazifop-butyl, are as follows:

Table 1 Proposed Maximum Residue Limits for Fluazifop-butyl

Common Name	Residue Definition	MRL (ppm) ¹	Food Commodity
Fluazifop-butyl	butyl 2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate (calculated as acid)	5.0	Leaf lettuce
		3.0	Head lettuce
		1.5	Green onions (crop subgroup 3-07B)
		0.5	Bulb onions (crop subgroup 3-07A, except dry bulb onions) ²

Common Name	Residue Definition	MRL (ppm) ¹	Food Commodity
		0.08	Caneberries (crop subgroup 13-07A)

¹ ppm = parts per million

² Dry bulb onions are excluded from this MRL action as a 0.5 ppm MRL is already established for the commodity.

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides section of the Canada.ca website.

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

International Situation and Trade Implications

Fluazifop-p-butyl is an active ingredient that is concurrently being registered in Canada and the United States for use on green onions, head and leaf lettuce, bulb onions (crop subgroup 3-07A) and caneberries (crop subgroup 13-07A). The MRLs proposed for fluazifop-butyl in Canada are the same as corresponding tolerances that have been established in the United States. The American tolerances for fluazifop-p-butyl are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide.

Currently, there are no Codex MRLs¹ listed for fluazifop-butyl in or on any commodity on the Codex Alimentarius Pesticide Index webpage.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for fluazifop-butyl up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs. Comments received will be addressed in a separate document linked to this PMRL. The established MRLs will be legally in effect as of the date that they are entered into the Maximum Residue Limit Database.

¹ The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Appendix I

Summary of Field Trial Data Used to Support the Proposed Maximum Residue Limits

Residue data for fluazifop-p-butyl in dry bulb onions, green onions, head and leaf lettuce and caneberries were submitted to support the domestic use of Venture L Herbicide on green onions, head and leaf lettuce, bulb onions (crop subgroup 3-07A) and caneberries (crop subgroup 13-07A).

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for fluazifop-butyl was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. Table A1 summarizes the residue data used to calculate the proposed MRLs for head and leaf lettuce, bulb onions (crop subgroup 3-07A, except dry bulb onions), green onions (crop subgroup 3-07B) and caneberries (crop subgroup 13-07A).

Table A1 Summary of Field Trial Data Used to Support MRLs

Commodity	Application Method/ Total Application Rate (g a.i./ha) ¹	Preharvest Interval (days)	Lowest Average Field Trial Residues (ppm)	Highest Average Field Trial Residues (ppm)
Green onions	Foliar applications/ 834–932	12–16	0.133	0.590
Bulb onions	Foliar applications/ 250–500	55–76	0.02	0.02
Caneberries	Banded applications/ 824–852	1	< 0.02	0.046
Head lettuce	Foliar applications/ 826–873	7–15	0.093	1.69
Leaf lettuce	Foliar applications/ 827–885	12–15	0.233	3.11

¹ g a.i./ha = grams of active ingredient per hectare

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of fluazifop-butyl. Residues of fluazifop-butyl in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.