Proposed Maximum Residue Limit PMRL2020-28

Fluoxastrobin

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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 Evito 480SC Fungicide, containing technical grade fluoxastrobin, is acceptable. The specific uses approved in Canada are detailed on the label of Evito 480SC Fungicide, *Pest Control Products Act* Registration Number 30508.

The evaluation of this fluoxastrobin application 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.

Consultation on the proposed MRLs for fluoxastrobin 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 fluoxastrobin, are as follows.

Table 1 Proposed maximum residue limits for fluoxastrobin

Common name	Residue definition	MRL (ppm)[1]	Food commodity
Fluoxastrobin	(1*E*)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone *O*-methyloxime	0.7	Rapeseeds (crop subgroup 20A) (revised)
		0.2	Dried shelled pea and bean (except soybean) (crop subgroup 6C)

[1] ppm = parts per million

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

The MRLs proposed for fluoxastrobin in Canada are the same as corresponding American tolerances as listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Currently, there are no Codex MRLs[1] listed for fluoxastrobin 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 fluoxastrobin 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 from field trials conducted in Canada and the United States were submitted to support the registration of Evito 480SC Fungicide on crop subgroup 6C and crop subgroup 20A (revised). Fluoxastrobin was applied to dry beans, dry peas and canola at exaggerated rates, and harvested according to label directions. In addition, a processing study in treated canola was reviewed to determine the potential for concentration of residues of fluoxastrobin into processed commodities.

Maximum residue limits

The recommendation for maximum residue limits (MRLs) for fluoxastrobin 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 crop subgroup 6C (dried shelled pea and bean (except soybean)) and crop subgroup 20A (rapeseed) (revised).

Table A1 Summary of field trial and processing 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)	Experimental processing factor
Dry Beans	Foliar Broadcast/ 331–346	14–15	<0.01	0.085	Not required
Dry Peas	Foliar Broadcast/ 330–356	13–18	<0.01	0.141	Not required
Canola	Foliar Broadcast/ 327–351	20–22	0.013	0.538	Refined Oil: 0.04x

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

Based on the dietary burden and the livestock feeding studies, the currently established MRLs for fat, meat and meat by-products of cattle, goats, hogs, horses, poultry and sheep, eggs and milk are adequate to cover the total anticipated residues of fluoxastrobin (E and Z isomers) and the metabolite HEC 5725-phenoxy-hydroxypyrimidine (HEC 7154) in all animal matrices.

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of fluoxastrobin. Residues of fluoxastrobin 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.