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Proposed Maximum Residue Limit

PMRL2020-12

MCPA

(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 annual canarygrass to the product labels of Curtail M Herbicide and XRM-5171 Herbicide, containing technical grade MCPA and clopyralid, is acceptable. The specific uses approved in Canada are detailed on the labels of Curtail M Herbicide and XRM-5171 Herbicide, *Pest Control Products Act* Registration Numbers 30914 and 22764, respectively.

The evaluation of these MCPA applications indicated that the end-use products have 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 MCPA is being conducted via this document (see Next Steps). MRL consultation for the other active ingredient, clopyralid, present in Curtail M Herbicide and XRM-5171 Herbicide, is being conducted under a separate action. 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 MCPA, are as follows.

Table 1 Proposed Maximum Residue Limits for MCPA

| Common Name | Residue Definition | MRL (ppm) ¹ | Food Commodities |
|-------------|---------------------------------------|------------------------|--------------------------|
| MCPA | (4-chloro-2-methylphenoxy)acetic acid | 0.04 | Annual canarygrass bran |
| | | 0.03 | Annual canarygrass seeds |

¹ ppm = parts per million

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

Currently, there are no American tolerances for MCPA on the petitioned commodities listed in the [Electronic Code of Federal Regulations](#), 40 CFR, part 180, by pesticide, nor are there Codex MRLs¹ listed for MCPA in or on the petitioned commodities on the Codex Alimentarius [Pesticide Index](#) webpage.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for MCPA 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

Previously reviewed residue data from field trials conducted in/on wheat and barley were reassessed in the framework of this petition. In addition, processing studies in treated wheat were also reassessed to determine the potential for concentration of residues of MCPA into processed commodities.

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for MCPA was based upon the field trial data on file, and the guidance provided in the [OECD MRL Calculator](#). Table A1 summarizes the residue data used to calculate the proposed MRLs for annual canarygrass.

Table A1 Summary of Field Trial and Processing Data Used to Support the 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 |
|--------------|---|----------------------------|---|--|--|
| Wheat grain | Broadcast foliar/ 1600–2200 | 43–98 | <0.01 | 0.025 | Wheat bran: 1.5× No concentration in other processed fractions |
| Barley grain | Broadcast foliar/ 800–900 | 56–79 | <0.01 | <0.01 | Barley bran: 1.5× ² |

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

² Processing factor extended from wheat

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