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Proposed Maximum Residue Limit

PMRL2008-21

Chlorantraniliprole

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Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the [Pest Control Products Act \(PCPA\)](#), has granted conditional registration of technical grade chlorantraniliprole (Rynaxypyr Technical Insecticide) and the end-use products Altacor Insecticide and Coragen Insecticide for use in Canada to control various pests on leafy vegetables (Crop Groups 4 and 5), fruiting vegetables (Crop Group 8), pome fruits (Crop Group 11), stone fruits (Crop Group 12), small fruit vine climbing (Crop Subgroup 13-07F) and potatoes (see Appendix I for a list of crop group/subgroup commodities). The specific uses that were approved in Canada are detailed on the Altacor and Coragen labels (PCPA Registration Numbers 28981 and 28982, respectively).

The evaluation of these chlorantraniliprole applications indicated that the end-use products have merit and value and that the human health and environmental risks associated with the new uses are acceptable. Details regarding these registrations can be found in Evaluation Report [ERC2008-03](#), *Chlorantraniliprole*.

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 pose an unacceptable health risk. 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.

In addition, the PMRA is proposing to establish import MRLs for chlorantraniliprole on cucurbit vegetables (Crop Group 9) and undelinted cottonseed to permit the import and sale of food containing these residues. The PMRA has determined the quantity of residues that are likely to remain in or on the imported commodities when chlorantraniliprole is used according to the label directions in the exporting country and that such residues will not pose an unacceptable dietary health risk.

Currently, MRLs are legally established under the Food and Drug Regulations (FDR) after consultation through the *Canada Gazette*. Amendments to the *Food and Drugs Act (FDA)* via [Bill C-28](#), anticipated to come into force in 2008, will allow pesticide MRLs to be legally established under the PCPA without having to adopt MRLs by regulation under the FDA. This will result in a more efficient means of establishing, revising and revoking pesticide MRLs.

Consultation on the proposed MRLs for chlorantraniliprole is being conducted via this document (see Next Steps). This action is being taken in advance of Bill C-28 coming into force to allow the MRLs to be legally established as soon as possible after the FDA is amended.

The proposed MRLs for chlorantraniliprole in Canada in or on food are as follows.

Table 1 Proposed Maximum Residue Limits for Chlorantraniliprole

Common Chemical Name	Chemical Name of Substance	Proposed MRL (ppm)	Food Commodities
Chlorantraniliprole	3-bromo- <i>N</i> -[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1 <i>H</i> -pyrazole-5-carboxamide	13	Leafy vegetables (except <i>Brassica</i> vegetables) (Crop Group 4)
		11	Leafy <i>Brassica</i> greens (Crop Subgroup 5B)
		4.0	Head and stem <i>Brassica</i> (Crop Subgroup 5A)
		2.5	Raisins
		1.2	Small fruit vine climbing, except fuzzy kiwifruit (Crop Subgroup 13-07F)
		1.0	Stone fruits (Crop Group 12)
		0.7	Fruiting vegetables (Crop Group 8)
		0.3	Pome fruits (Crop Group 11), undelinted cottonseed*
		0.25	Cucurbit vegetables* (Crop Group 9)
		0.01	Fat, meat and meat byproducts of cattle, goats, horses and sheep; milk; potatoes

* Import MRLs

A complete list of all MRLs established in Canada can be found in [Table II, Division 15](#) of the FDR. Once the amendments to the FDA via Bill C-28 are in force, the list of legally established Canadian MRLs will be available on the PMRA's [MRL webpage](#), which will be updated to include the MRLs listed in this document.

International Situation and Trade Implications

The proposed Canadian MRLs are consistent with corresponding tolerances established in the United States (American tolerances listed in [40 CFR Part 180](#) by pesticide). Currently, Codex MRLs¹ have not been established for chlorantraniliprole on any commodities ([Codex MRLs](#) searchable by pesticide or commodity).

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for chlorantraniliprole up to 75 days from the date of publication of this document. Please forward your comments to Publications (see 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 for chlorantraniliprole and posting a corresponding Established Maximum Residue Limit (EMRL) document on the PMRA's website once the amendments to the FDA are in force.

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

Appendix I

Crop Groups: Numbers and Definitions

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
4	Leafy vegetables (except <i>Brassica</i> vegetables)	Amaranth Arugula Cardoon Celery Celtuce Chinese celery Corn salad Dandelion leaves Dock Edible leaved chrysanthemum Endives Fresh chervil leaves Fresh Florence fennel leaves and stalk Fresh parsley leaves Garden cress Garden purslane Garland chrysanthemum Head lettuce Leaf lettuce New Zealand spinach Orach leaves Radicchio Rhubarb Spinach Swiss chard Upland cress Vine spinach Winter purslane
5A	<i>Brassica</i> (cole) leafy vegetables Head and stem <i>Brassica</i>	Broccoli Brussels sprouts Cabbages Cauliflower Chinese broccoli Chinese mustard cabbages Kohlrabi Napa Chinese cabbages

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
5B	<i>Brassica</i> (cole) leafy vegetables Leafy <i>Brassica</i> greens	Bok choy Chinese cabbages Broccoli raab Collards Kale Mustard greens Mustard spinach Rape greens
8	Fruiting vegetables	Bell peppers Eggplants Groundcherries Non-bell peppers Pepinos Pepper hybrids Tomatillos Tomatoes
9	Cucurbit vegetables	Balsam apples Balsam pears Cantaloupes Chayote fruit Chinese cucumbers Chinese waxgourds Citron melons Cucumbers Edible gourds (other than those listed in this item) Muskmelons (other than those listed in this item) Pumpkins Summer squash Watermelons West Indian gherkins Winter squash
11	Pome fruits	Apples Crabapples Loquats Mayhaws Oriental pears Pears Quinces

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
12	Stone fruits	Apricots Nectarines Peaches Plumcots Plums Prune plums Sweet cherries Tart cherries
13-07F	Berry and small fruit Small fruit vine climbing, except fuzzy kiwifruit	Amur river grapes Gooseberries Grapes Hardy kiwifruit Maypop Schisandra berries Cultivars, varieties and/or hybrids of these