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Proposed Maximum Residue Limit

PMRL2021-06

# Novaluron

*(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 parsnip and celeriac to the product label of RIMON 10 EC Novaluron Insecticide, containing technical grade novaluron, is acceptable. The specific uses approved in Canada are detailed on the label of RIMON 10 EC Novaluron Insecticide, *Pest Control Products Act* Registration Number 28515.

The evaluation of this novaluron 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 novaluron 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 novaluron, are as follows.

**Table 1 Proposed maximum residue limits for novaluron**

Common name	Residue definition	MRL (ppm) <sup>1</sup>	Food commodity
Novaluron	<i>N</i> -[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide	0.15	Celeriac roots and parsnip roots

<sup>1</sup> 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 listed in the [Electronic Code of Federal Regulations](#), 40 CFR Part 180 for novaluron that correspond to the MRLs proposed for novaluron in Canada. Currently, there are no Codex MRLs<sup>1</sup> listed for novaluron in or on celeriac roots or parsnip roots on the Codex Alimentarius [Pesticide Index](#) webpage.

## **Next steps**

The PMRA invites the public to submit written comments on the proposed MRLs for novaluron 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](#).

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<sup>1</sup> 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 novaluron in radish were submitted to support the domestic use of RIMON 10 EC Novaluron Insecticide on parsnip and celeriac. In addition, previously reviewed residue data from field trials conducted on carrots were re-assessed in the framework of this petition.

### Maximum residue limits

The recommendation for maximum residue limits (MRLs) for novaluron was based upon the 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 celeriac roots and parsnip roots.

**Table A1 Summary of field trial data used to support the MRLs**

Commodity	Application method/ Total application rate (g a.i./ha) <sup>1</sup>	Preharvest interval (days)	Lowest average field trial residues (ppm)	Highest average field trial residues (ppm)
Carrot roots	Foliar/ 268–276	3	<0.05	<0.05
Radish roots	Foliar/ 261–286	2–7	<0.05	0.065

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

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