



Health  
Canada Santé  
Canada

*Your health and  
safety... our priority.*

*Votre santé et votre  
sécurité... notre priorité.*

Proposed Maximum Residue Limit

PMRL2020-09

# Bixafen

*(publié aussi en français)*

**3 June 2020**

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications  
Pest Management Regulatory Agency  
Health Canada  
2720 Riverside Drive  
A.L. 6607 D  
Ottawa, Ontario K1A 0K9

Internet: [canada.ca/pesticides](https://canada.ca/pesticides)  
[hc.pmra.publications-arla.sc@canada.ca](mailto:hc.pmra.publications-arla.sc@canada.ca)  
Facsimile: 613-736-3758  
Information Service:  
1-800-267-6315 or 613-736-3799  
[hc.pmra.info-arla.sc@canada.ca](mailto:hc.pmra.info-arla.sc@canada.ca)

Canada 

ISSN: 1925-0835 (print)  
1925-0843 (online)

Catalogue number: H113-24/2020-9E (print version)  
H113-24/2020-9E-PDF (PDF version)

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2020

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.

Under the authority of the [Pest Control Products Act](#), Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade bixafen and the end-use product F9651-2 Fungicide for use in Canada on wheat, barley, oats and soybeans.

The evaluation of these bixafen applications indicated that the end-use product has value, and the human health and environmental risks associated with their proposed uses are acceptable. Details regarding these applications can be found in [Proposed Registration Decision PRD2019-04, Bixafen and F9651-2 Fungicide](#), posted to the Canada.ca website on 21 May 2019.

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 specified 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 specify MRLs for bixafen on additional cereal grain commodities, root and tuber vegetables and peanuts to permit the import and sale of food containing such residues. The PMRA has determined the quantity of residues that are likely to remain in or on the imported commodities when bixafen is used according to label directions in the exporting country, and that such residues will not be a concern to human health. Details regarding the proposed MRLs on imported commodities can also be found in PRD2019-04.

Consultation on the proposed MRLs for bixafen was conducted via PRD2019-04. Information regarding the proposed MRLs can be found in Sections 3.5 and 7.1. Supporting field trial residue data are also provided in the PRD. The PMRA invites the public to submit written comments on the proposed MRLs for bixafen in accordance with the guidance found in PRD2019-04.

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

The proposed MRLs for bixafen are as follows.

**Table 1 Proposed Maximum Residue Limits for Bixafen**

Common Name	Residue Definition	MRL (ppm) <sup>1</sup>	Food Commodity
Bixafen	<i>N</i> -(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide	3.0	Sorghum
		0.4	Cereal grains, except rice and sorghum (crop group 15)
		0.3	Root vegetables (crop subgroup 1A)

Common Name	Residue Definition	MRL (ppm) <sup>1</sup>	Food Commodity
		0.04	Dry soybeans
		0.01	Tuberous and corm vegetables (crop subgroup 1C), peanuts
	<i>N</i> -(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide, including the metabolite <i>N</i> -(3',4'-dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1 <i>H</i> -pyrazole-4-carboxamide (expressed as parent equivalents)	0.2	Fat, meat and meat byproducts of cattle, goats, horses and sheep
		0.05	Milk
		0.01	Eggs; fat, meat and meat byproducts of hogs and poultry

<sup>1</sup> 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

Table 2 compares the MRLs proposed for bixafen in Canada with corresponding American tolerances and Codex MRLs.<sup>1</sup> American tolerances are listed in the [Electronic Code of Federal Regulations](#), 40 CFR Part 180, by pesticide. A listing of established Codex MRLs is available on the Codex Alimentarius [Pesticide Index](#) webpage, by pesticide or commodity.

---

<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.

**Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs (where different)**

<b>Food Commodity</b>	<b>Canadian MRL (ppm)</b>	<b>American Tolerance (ppm)</b>	<b>Codex MRL (ppm)</b>
Milk	0.05	0.04	0.2
Eggs; fat, meat and meat byproducts of hogs and poultry	0.01	Not established	0.05 (Eggs) 0.05 (Poultry fats, poultry edible offal of) 0.02 (Poultry meat)
Fat, meat and meat byproducts of cattle, goat, horse and sheep	0.2	0.08 (Meat and fat of cattle, goats, sheep, horses)  0.4 (Meat byproducts of cattle, goats, sheep, horses)	4 (Edible offal (mammalian)) 2 (Mammalian fats except milk fats)  2 (Meat (from mammals other than marine mammals))
Rye, triticale, wheat	0.4	0.4	0.05 (Rye, triticale, wheat)  0.15 (Wheat bran, unprocessed)

### Next Steps

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