

## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2021-1115  
**Application:** New Maximum Residue Limits for previously assessed Technical Grade Active Ingredient  
**Product:** XEMIUM TECHNICAL FUNGICIDE  
**Registration Number:** 30561  
**Active ingredient (a.i.):** Fluxapyroxad  
**PMRA Document Number :** 3339779

### Purpose of Application

The purpose of the application was to establish a new maximum residue limit (MRL) for residues of fluxapyroxad in/on imported green coffee beans.

### Chemistry, Environmental and Value Assessments

Chemistry, environmental, and value assessments were not required for this application.

### Health Assessments

Toxicology and occupational exposure assessments were not required for this application.

New residue data, together with previously reviewed residue data for fluxapyroxad in green coffee beans, were reviewed collectively to support the establishment of a new MRL on imported green coffee beans. In addition, a processing study in treated green coffee beans was also assessed to determine the potential for concentration of residues of fluxapyroxad into processed commodities.

### Maximum Residue Limit

The recommendation for an MRL for fluxapyroxad was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of fluxapyroxad in/on green coffee beans and processed commodities is shown in Table 1.

TABLE 1. Summary of Field Trial and Processing Data Used to Support a Maximum Residue Limit (MRL)						
Commodity	Application	PHI	Residues (ppm)	Experimental	Currently	Recomme

	<b>Method/ Total Application Rate (g a.i./ha)</b>	<b>(days)</b>	<b>LAFT</b>	<b>HAFT</b>	<b>Processing Factor</b>	<b>Established MRL (ppm)</b>	<b>Proposed MRL (ppm)</b>
Green coffee beans	Foliar/225-300	45	0.01	0.13	Roasted and ground coffee: 0.50x Concentrated liquor: 0.11x Instant coffee: 0.33x	None	0.20

Following the review of all available data, the recommended MRL for fluxapyroxad in/on green coffee beans is 0.20 ppm. Residues in green coffee beans at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the establishment of an MRL on green coffee beans for fluxapyroxad.

### References

<b>PMRA Document Number</b>	<b>Reference</b>
3210648	2011, Residue Study of BAS 700F, Pyraclostrobin and Epoxiconazole in Coffee (Grains) after Treatment with BAS 702 00 F under Field Conditions in Brazil, DACO: 7.4.1,7.4.2
3228126	2011, Residue Study of Epoxiconazole and Fluxapyroxad in Coffee (Grains) after Treatment with BAS 701 00 F under Field Conditions in Brazil, DACO: 7.4.1
3210650	2014, Residue study of fluxapyroxad and pyraclostrobin in coffee (beans) after treatment with BAS 703 02 F under field conditions in Brazil, DACO: 7.4.1,7.4.2
3210651	2015, Study of residues of fluxapyroxad and pyraclostrobin in coffee (grains), after treatment with BAS 703 02 F, under field conditions in Brazil, DACO: 7.4.1,7.4.2
2541942	2013, Study of BAS 700F residues in coffee (grains) after treatment with BAS 702 00 F under field conditions in Brazil, DACO: 7.4.1
2541954	2013, Study of Fluxapyroxad residues in banana (whole fruit, peel and pulp) after treatment with BAS 700 04 F under field conditions in Costa Rica, Ecuador and Colombia, DACO: 7.4.1

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2022

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.