



## Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2015-2492  
**Application:** New maximum residue limit for previously assessed technical grade active ingredient  
**Product:** Xemium Technical Fungicide  
**Registration Number:** 30561  
**Active ingredients (a.i.):** Fluxapyroxad  
**PMRA Document Number:** 2662892

### Purpose of Application

The purpose of this application was to establish an MRL for the currently registered active ingredient fluxapyroxad that would allow the importation of treated citrus fruits, banana, mango, and papaya into Canada.

### Chemistry, Environmental and Value Assessments

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

### Health Assessments

A toxicology assessment was not required for this application.

Residue data for fluxapyroxad in citrus fruits (Crop Group 10R), banana, mango, and papaya were submitted to support the maximum residue limits on these imported crops. In addition, processing studies in treated oranges were reviewed to determine the potential for concentration of residues of fluxapyroxad into processed commodities.

The recommendation for maximum residue limits (MRLs) for fluxapyroxad was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of fluxapyroxad in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

**TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)**

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Fluxapyroxad Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAF T	HAF T			
Oranges	Foliar Application / 483-505	0	0.149	0.558	Residues do not concentrate in food commodities, except for peel (1.9x) and oil (59x)	-	1.0 (Citrus Fruits, CG 10R) 40 (Citrus Oil)
Lemons	Foliar Application / 488-502	0	0.123	0.380			
Grapefruit	Foliar Application / 489-504	0	0.092	0.203			
Bananas	Foliar Application / 600	0	0.04	1.60	Not Required	-	3.0
Mangos	Foliar Application / 267	7	0.14	0.39	Not Required	-	0.7
Papayas	Foliar Application / 200	7	0.02	0.24	Not Required	-	0.6

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

### Conclusion

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

## References

PMRA #	Reference
2541948	2014, Magnitude of the residues of Fluxapyroxad in citrus fruits following foliar applications of BAS 700 01 F, DACO: 7.4.1
2541944	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
2541950	2013, Study of Fluxapyroxad residues in banana (fruits) after treatment with BAS 700 04 F under field conditions in Brazil, DACO: 7.4.1,7.4.2
2541946	2012, Residue Study of Pyraclostrobin and Fluxapyroxad in Mango (fruits) after Treatment with BAS 703 02 F under Field Conditions in Brazil (Including Addendum No. 1 and Addendum No. 2), DACO: 7.4.1
2541940	2013, Study of Pyraclostrobin and Fluxapyroxad residues in papaya (fruits) after treatment with BAS 703 02 F under field conditions in Brazil, DACO: 7.4.1
2541952	2014, Magnitude of Fluxapyroxad residues in orange processed fractions following applications of BAS 703 02 F to oranges, DACO: 7.4.1,7.4.5

ISSN: 1911-8082

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