

EVALUATION REPORT

Boscalid

Application Number: 2006-7670
Application: B 5.0 (import MRLs for registered active ingredients)
Product: Boscalid Technical Fungicide
Registration Number: 27494
Active ingredients (a.i.): Boscalid (CHH)
PMRA Document Number : 1723420

Purpose of Application

The purpose of this submission is to establish MRLs on imported hops, pome fruit and strawberries treated with boscalid.

Chemistry Assessment

A chemistry assessment is not required for this application.

Health Assessments

A toxicology assessment is not required for applications to establish import MRLs for active ingredients which have been previously assessed.

To support the establishment of import MRLs on imported hops, pome fruit and strawberries treated with boscalid, residue data from field trials conducted in the major growing regions of the US were reviewed.

MRL Recommendations

Recommendations for MRLs for boscalid in/on imported hops, pome fruit and strawberries were based on guidance provided in PRO2005-04 ("Guidance for Setting Pesticide Maximum Residue Limits Based on Field Trial Data").

Based on the residue data (Table 1) and the MRL statistical methodology, MRLs of 35 ppm for imported hops, 3.0 ppm for imported pome fruit (crop group 11) and 4.5 ppm for imported strawberries treated with boscalid are recommended. Residues of boscalid in processed commodities will be covered by MRLs for the corresponding raw agricultural commodity(ies) (RACs).

Environmental Assessment

An environmental assessment is not required for this application.

Value Assessment

A value assessment is not required for this application.

Conclusion

Following a review of all the available data, the PMRA is recommending the following MRLs for boscalid: 35 ppm for imported hops, 3.0 ppm for imported pome fruit (crop group 11) and 4.5 ppm for imported strawberries.

TABLE 1. Summary of Residue Data													
Crop Group	Commodity	CDN Use ¹	MRLs ² (ppm)		Total Application Rate (lb a.i./A) [kg a.i./ha]	PHI (days)	Residue Levels (ppm)					Reference	
			CDN	US			Min	Max	HAFT	Mean [median]	Std. Dev.		
Hop Cones - The max USA rate is 1.482 kg a.i./ha/season and minimum PHI is 14 days.													
0	Hop Cones	no	35	35	1.34 - 1.4 (1.50 - 1.6)	14	10.70	31.10	—	20.75 [20.60]	11	2006-7670	
Strawberry - The max USA rate is 2.029 kg a.i./ha/season and the minimum PHI is 0 days. Strawberry - The max CDN rate is 1.96 kg a.i./ha/season and the minimum PHI is 0 days (LANCE WDG; Reg. 27495) or 2.041 kg a.i./ha/season and a minimum PHI of 1 days (Pristine WG; Reg 27985).													
0	Strawberry	yes	4.5	4.5	1.84-1.88 (2.06-2.11)	0	0.86	2.36	1.81	1.54 [1.59]	0.46	2006-7670	
0	Strawberry	yes	4.5	4.5	1.81-1.89 [2.03-2.12]	0-1	0.16	1.16	1.00	0.55 [0.55]	0.26	2001-1027, 2001-1036, 2001-1043	
Pome Fruit - The max USA rate is 1.305 kg a.i./ha/season and the minimum PHI is 0 days.													
11	Apple	no	3.0	3.0	1.76-1.85 (1.97-2.07) Concen.	0	0.31	1.80	—	0.83 [0.80]	0.39	2006-7670	
11	Apple	no	3.0	3.0	1.77-1.91 (1.98-2.14) Dilute	0	0.17	1.11	—	0.67 [0.65]	0.29		
11	Pear	no	3.0	3.0	1.79-1.82 (2.00-2.04) Concen.	0	0.37	2.31	—	1.01 [0.80]	0.63		
11	Pear	no	3.0	3.0	1.80-1.83 (2.02-2.05) Dilute	0	0.38	1.70	—	0.86 [0.80]	0.37		

¹ Yes indicates that there is a registered Canadian use.

² Proposed or existing maximum residue limit.

References

A: List of Studies/Information Submitted by Registrant

PMRA Document Number: 1335111

Reference: 2002, Magnitude of the Residue of BAS 500 02 F and BAS 510 UCF in Hops, Data Numbering Code: 7.4.1,7.4.2

PMRA Document Number: 1335112

Reference: 2002, The Magnitude of BAS500 F and BAS 510 F Residues in Pome Fruit, Data Numbering Code: 7.4.1

PMRA Document Number: 1335119

Reference: 2005, Magnitude of Pyraclostrobin (BAS 500 F) and Boscalid (BAS 510 F) Residues in Strawberries After Treatment With Pristine (BAS 516 04 F), Data Numbering Code: 7.4.1

B: Evaluation Reports Used by PMRA

PMRA Document Number: 1776151

Reference: PMRA Regulatory Note 2004-02: Boscalid/BAS 510

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