

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2017-1954
Application: Revised MRL for previously assessed TGAI.
Product: Diquat Technical
Registration Number: 20218
Active ingredients (a.i.): Diquat
PMRA Document Number: 2874580

Purpose of Application

The purpose of this application was to revise the maximum residue limits (MRLs) of diquat for Crop Subgroup 6C (CSG6C).

Health Assessments

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

Residue data for diquat in dry beans, lentils, chickpeas and dry peas were submitted to support the maximum residue limit on the entire CSG6C.

Maximum Residue Limit(s)

The recommendation for the maximum residue limit (MRL) for diquat was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of diquat in/on CSG6C is 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 Data Used to Support Maximum Residue Limit (MRL)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAF T	HAF T			
Dry Peas	479-514	3-5	0.015	0.130	-	0.2	0.9 (CSG6C)
Chickpea	468-527	4-5	0.070	0.575	-	0.2	
Lentils	470-508	4-5	0.052	0.500	-	0.2	
Dry Beans	481-526	4-5	<0.01	0.350	-	0.2	

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

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

Chemistry, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the revision of the MRL for diquat for Crop Subgroup 6C as listed in Table 1.

References

PMRA

Document

Number	Reference
2754677	2013, Diquat Dibromide - Frozen Storage Stability of Diquat Cation in Spinach, Wheat Grain, Oilseed Rape Seed, Lentil, Orange, Potato and Wheat Straw - Final Report, DACO: 7.3
2754679	2017, Fludioxonil/Cyprodinil WG (A9219B) & Diquat SL (AI412H) - Magnitude of the Residues in or on Dry Pea (Representative Commodities for Crop Group 6C) Canada 2015 - Final Report, DACO: 7.4.1,7.4.2
2754680	2017, Diquat SL (A1412H) - Magnitude of the Residues in or on Chickpea, Lentil and Dry Bean Canada 2015 - Final Report, DACO: 7.4.1,7.4.2

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