

Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2010-1296
Application: New Maximum Residue Limit (MRL) for Previously Assessed Active Ingredient.
Product: Prothioconazole Technical Fungicide
Registration Number: 28358
Active ingredients (a.i.): Prothioconazole
PMRA Document Number: 2180723

Purpose of Application

The purpose of this application was to establish an MRL for prothioconazole, a previously assessed active ingredient (Registration number 28358), on imported rice.

Chemistry Assessment

A chemistry assessment was not required.

Health Assessments

A toxicology and occupational assessment was not required for this application.

Previously reviewed crop field trial residue data for prothioconazole in rice were used to support the establishment of a maximum residue limit (MRL) for this active ingredient in/on imported rice. In addition, a previously reviewed processing study for treated rice was also used to determine the potential for concentration of residues of prothioconazole into processed commodities.

Maximum Residue Limit

Based on maximum residues observed in the data from field trials conducted at exaggerated rates compared to those on the registered US label, an MRL to cover residues of prothioconazole in/on imported rice will be established as shown in Table 1. Residues of prothioconazole in processed commodities not listed in Table 1 are covered under the MRL for the raw agricultural commodity (RAC).

Table 1 Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limits (MRLs)

| Commodity | Application Method/Total Application Rate (g a.i./ha) | Pre harvest Interval (days) | Residues (ppm) | | Experimental Processing Factor | Currently Established MRL | Recommended MRL (ppm) |
|-----------|---|-----------------------------|----------------|-----------|--------------------------------|---------------------------|-----------------------|
| | | | Min | Max | | | |
| Rice | 380-410 | 40-67 | <0.0 2 | 0.22 2 | None | None | 0.35 |

Environmental Assessment

An environmental assessment was not required.

Value Assessment

A value assessment was not required.

Conclusion

Following the review of all available data, an MRL of 0.35 ppm is recommended to cover residues of prothioconazole in/on imported rice. Residues of prothioconazole in this commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

| PMRA Document Number | Reference |
|----------------------|---|
| 738091 | 2004, JAU6476 480 SC - Magnitude of the Residue in/on Rice; DACO 7.4.1/7.4.2 |
| 738409 | 2004, JAU6476 480 SC - Magnitude of the Residue in/on Rice Grain and Rice Processed Commodities; DACO 7.4.5 |

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2014

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 the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.