

## Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

**Application Number:** 2010-0749  
**Application:** New product chemistry: identity of formulants, proportion of formulants  
**Product:** RootShield WP Biological Fungicide  
**Registration Number:** 29890  
**Active ingredient (a.i.):** *Trichoderma harzianum* strain KRL-AG2  
**PMRA Document Number :** 1971608

### Purpose of Application

The purpose of this application was to register a new end-use product for the suppression of root diseases in greenhouse crops and outdoor nursery plants based on the precedent product RootShield HC Biological Fungicide Wettable Powder (Registration Number 27115). The precedent product is currently registered for these uses.

### Chemistry Assessment

RootShield WP Biological Fungicide is a wettable powder formulation containing the active ingredient *Trichoderma harzianum* strain KRL-AG2 at 1.15% by weight. The chemistry database for RootShield WP Biological Fungicide is complete.

### Health Assessments

Previously reviewed data for the registration of the precedent product showed that the mammalian toxicity/pathogenicity of the active ingredient *Trichoderma harzianum* strain KRL-AG2 poses little risk to human health and safety when used as directed. The proposed formulants in RootShield WP Biological Fungicide are not expected to pose a risk to worker's health when used according to the product label.

### Environmental Assessment

The formulants in RootShield WP Biological Fungicide are not expected to pose an environmental risk when used at the proposed concentrations and application rates.

## **Value Assessment**

A scientific rationale and bridging efficacy data from three greenhouse trials conducted in the United States (three locations) in 2006 and 2007 were submitted. Review of these data indicates that the new product RootShield WP Biological Fungicide showed statistically comparable efficacy to the precedent product with regard to disease rating, marketability, plant height, root/shoot weights, etc., when applied at the same or similar rates. RootShield WP Biological Fungicide is thus considered agronomically equivalent to the precedent product. The registration of RootShield WP Biological Fungicide is supported from a value perspective.

## **Conclusion**

The PMRA conducted an evaluation of the subject application and determined there was sufficient information to support registration of RootShield WP Biological Fungicide as proposed.

## **References**

PMRA Document Number: 1913697

Reference: 2007, Efficacy of P2 formulations, Data Numbering Code: 10.2

PMRA Document Number: 1913698

Reference: 2007, Multiple P2 formulations, Data Numbering Code: 10.2

PMRA Document Number: 1913699

Reference: 2006, Efficacy studies, Data Numbering Code: 10.2 ISSN: 1911-8082

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