

Evaluation Report for Category B, Subcategory 4.1 Application

Application Number: 2009-4722
Application: Conversion to full registration without consultation
Product: Biobarrier Root Control System (Domestic)
Registration Number: 28780
Active ingredient (a.i.): Trifluralin
PMRA Document Number : 1986447

Background

The end-use product, Biobarrier Root Control System (Domestic), was granted conditional registration in 2007 and was subject to the terms and conditions outlined under Application Number 2007-4098.

Purpose of Application

The purpose of this application was to convert Biobarrier Root Control System (Domestic) to full registration.

Chemistry Assessment

The storage stability data provided were assessed to be acceptable.

Health Assessments

No unacceptable risk is expected when domestic users follow label directions and wear personal protective equipment as recommended on the label.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Three long-term field studies were submitted. Field studies that ranged in length from 15 months to 7 years confirmed the ability of Biobarrier Root Control System (Domestic) to re-direct tree roots away from the barrier without adversely affecting desirable plants. Even after 7 years, roots had not penetrated the barrier but rather were re-directed over, under or around the product. The studies also confirmed that Biobarrier Root Control System (Domestic) inhibits root growth beyond which is provided by the a non-woven polypropylene fabric.

Conclusion

The PMRA conducted an evaluation of the subject application and determined that full registration can be supported.

References

PMRA Document Number: 1825896

Reference: 1997, Evaluation of Biobarrier for tree root inhibition 1996-1997, Data Numbering Code: 10.2.3.3(b), 10.3.2

PMRA Document Number: 1825897

Reference: Smiley ET, 2005, Root growth near vertical root barriers, J. Arboriculture 31(3): 150-152, Data Numbering Code: 10.2.3.3(b)

PMRA Document Number: 1825898

Reference: 2008, Root growth near vertical root barriers after seven years, Data Numbering Code: 10.2.3.3(b), 10.3.2

PMRA Document Number: 1825901

Reference: 2007, Storage losses of trifluralin after 27-months at 20-23°C, Data Numbering Code: 3.5.10

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