

## Evaluation Report for Category B, Subcategory 2.3, 2.4, 3.9, 3.11 Application

**Application Number:** 2008-5371  
**Application:** B.2.3, 2.4 product chemistry - formulants  
B.3.9, 3.11 product label – level of control/new pests  
**Product:** Sarritor Biological Lawn Weed Killer  
**Registration Number:** 28546  
**Active ingredients (a.i.):** *Sclerotinia minor* IMI 3144141/bioherbicide  
**PMRA Document Number:** 1795365

### Purpose of Application

The purpose of the application was to amend the registration of Sarritor Biological Lawn Weed Killer to include two new formulants and to amend the level of control for dandelions and to add new pests to the product label.

### Chemistry Assessment

The addition of two new soy formulants ensures that the formation of starch balls is minimized thus increasing the flowability of the end-use product. No changes are made to the technical grade active ingredient product (Sarritor Technical Herbicide, Reg. No. 28544) used to formulate the end-use product.

The new formulation is not expected to result in a change in the characterization of the microbial pest control agent, nor to the level of microbial contaminants of the end-use product formulation. The guarantee remains the same according to the submitted Statement of Product specifications, and the physical properties such pH, bulk density and the water activity of the product remain the same, thus no new storage stability data were required.

### Health Assessment

The PMRA considers the new formulants to be of minimal concern and soy has received tolerance exemptions in the U.S. from the Environmental Protection Agency (EPA) when used as either an inert or an active ingredient in a pesticide formulation. Soy is, however, considered an allergen and appropriate label statements are required on the primary panel of the label. No other formulants of toxicological concern were identified in the Sarritor Biological Lawn Weed Killer Formulation.

## **Environmental Assessment**

The environmental data base for Sarritor Biological Lawn Weed Killer is complete and no deficiencies were noted.

## **Value Assessment**

Data included 6 field trials conducted in Quebec and Ontario, scientific rationales, and 5 published scientific papers were provided to support the label amendment of Sarritor Biological Lawn Weed Killer. The control of dandelion, white clover, broadleaf plantain, thistle, and other several broadleaf weeds with the treatment of Sarritor Biological Lawn Weed Killer was assessed in the information provided. Based on the available evidence, top growth suppression claims for dandelion, white clover, and broadleaf plantain were supported.

## **Conclusion**

Following the assessment of all available information, the PMRA is able to support the amended formulation and the top growth suppression claims for dandelion, white clover, and broadleaf plantain for Sarritor Biological Lawn Weed Killer (Reg. No. 28546).

## References

### Studies/Information Provided by Applicant/Registrant

- 1674656 M.H. Abu-Dieyeh and A.K. Watson, 2006, Effect of turfgrass mowing height on biocontrol of dandelion with *Sclerotinia minor*. Biocontrol Science and Technology, 16(5):509-524, DACO: 10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B)
- 1674658 M.H. Abu-Dieyeh and A.K. Watson, 2005, Impact of mowing and weed control on broadleaf weed population dynamics in turf. Journal of Plant Interactions, 1(4):239-252, DACO: 10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B)
- 1674659 M.H. Abu-Dieyeh and A.K. Watson, 2007, Population dynamics of broadleaf weeds in turfgrass as influenced by chemical and biological control methods. Weed Science, 55:371-380, DACO: 10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B)
- 1674660 M.H. Abu-Dieyeh and A.K. Watson, 2007, Efficacy of *Sclerotinia minor* for dandelion control: effect of dandelion accession, age and grass competition. European Weed Research Society Weed Research, 47:63-72, DACO: 10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B)
- 1674661 M.H. Abu-Dieyeh and A.K. Watson, 2007, Grass overseeding and a fungus combine to control *Taraxacum officinale*. Journal of Applied Ecology, 44:115-24, DACO:10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B)
- 1674662 Addition of broadleaf weed species to the label. DACO: 10.2.3.3.
- 1674663 Dandelion control – acceptable efficacy claims. DACO: 10.2.3.3.
- 1674655 2008, Rationale for formulation change, DACO: 3.2,3.2.1,3.2.2 CBI
- 1721597 2009, Sub. No. 2008-5370 English Label, DACO: M1.1
- 1721598 2009, Formulation Change Explanation, DACO: M2.0,M2.10,M2.11,M2.12,M2.7,M2.8,M2.9
- 1721599 2005, Previously Submitted Data for Sub.No.2005-3577, DACO: M1.2,M1.3,M2.1,M2.10,M2.2,M2.3, M2.4,M2.5,M2.6,M2.7,M2.8,M2.9, M4.1,M4.2.1,M4.2.2,M4.2.3,M4.3.1,M4.4,M4.5.1,M4.5.2,M4.6, M9.2,M9.2.1,M9.3,M9.4.1,M9.5.1,M9.5.2,M9.6,M9.8.1,M9.8.2
- 1721608 2009, Sub. No. 2008-5371 English Label, DACO: M1.1

ISSN: 1911-8082

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