

## Evaluation Report for Category B, Subcategory 2.1, 2.3 and 2.4 Application

**Application Number:** 2014-1013  
**Application:** New end-use product chemistry – Guarantee, identify and proportion of formulants  
**Product:** Scotts EcoSense Slug-B-Gon Slug and Snail Bait II  
**Registration Number:** 31816  
**Active ingredients (a.i.):** Iron (present as ferric phosphate)  
**PMRA Document Number :** 2494872

### Purpose of Application

The purpose of this application was to register a new domestic class end-use product, Scotts EcoSense Slug-B-Gon Slug and Snail Bait II, containing 0.2978% iron present as ferric phosphate. This end-use product is a granular bait used to kill slugs and snails and reduce feeding damage on plants in gardens. This product contains a new source of iron (present as ferric phosphate), Scotts Ferric Phosphate Technical, which was reviewed under application number 2014-0997.

### Chemistry Assessment

Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is formulated as pellets containing iron (present as ferric phosphate) at a nominal concentration of 0.2978%. This end-use product has a bulk density of 0.7321 g/mL and pH of 3.84. The chemistry requirements for Scotts EcoSense Slug-B-Gon Slug and Snail Bait II have been fulfilled.

### Health Assessments

Since the new source of technical grade active ingredient is chemically equivalent to a registered source of technical grade active ingredient, Ferric Phosphate Technical Active Ingredient (Registration Number 26101), the toxicology profile of the new technical grade active ingredient is considered to be the same as that of the registered technical grade active ingredient.

The submitted toxicology studies on Scotts EcoSense Slug-B-Gon Slug and Snail Bait II indicate that it is of low acute toxicity by the oral, dermal, and inhalation routes, minimally irritating to the eyes, non-irritating to the skin, and is not a dermal sensitizer.

The rate of application (5 g/m<sup>2</sup>), type of formulation (granular), and method of application (hand dispersed) of Scotts EcoSense Slug-B-Gon Slug and Snail Bait II are similar to some previously

registered similar end-use products for domestic uses (Registration Numbers 26102, 29120, and 28375).

Significant exposure to the domestic users from the application of Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is not anticipated due to the granular form of the end-use product and the nature of application directed to the soil around or near the plants by scattering.

The risk due to exposure from domestic application is minimal when Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is used according to the label directions, which include precautionary and hygiene statements.

Since Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is intended for use as bait for snails and slugs in gardens, and is to be applied to soil with no direct contact exposure to food crops, negligible food residue exposure is expected from the proposed use.

There is no risk anticipated from exposure to ferric phosphate from drinking water because Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is for application to soil surface and not directly to water.

Since no dietary exposure to ferric phosphate and/or its metabolites is anticipated from this use pattern, the specification of a Maximum Residue Limit is not required.

### **Environmental Assessment**

Scotts EcoSense Slug-B-Gon Slug and Snail Bait II is relatively nontoxic to birds, mammals, fish and aquatic invertebrates. The use pattern of Scotts EcoSense Slug-B-Gon Slug and Snail Bait II with a new source of active ingredient is expected to pose a limited risk to non-target organisms. Environmental concerns have been mitigated through adequate label statements.

### **Value Assessment**

Value information consisted of five efficacy trials and a rationale citing a precedent product. This information supported the claims of kills slugs and snails and reduces feeding damage on plants in gardens found on the Scotts EcoSense Slug-B-Gon Slug and Snail Bait II label.

### **Conclusion**

The PMRA has completed a review of all available information submitted in support of Scotts EcoSense Slug-B-Gon Slug and Snail Bait II and deemed it sufficient to support a full registration.

### **References**

<b>PMRA Document Number</b>	<b>Reference</b>

2405071	2013, Product Identity, Composition and Analysis for product Slug and Snail Bait, DACO: 3.2.1,3.2.2,3.2.3,3.3.1,3.4.1,3.4.2 CBI
2405072	2012, Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability, DACO: 3.5.1,3.5.10,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8 CBI
2405073	2014, Determination of storage stability and physical/chemical data for 'S15632', stored for 14 days at 54 ± 2°C in compliance with Good Laboratory Practice, DACO: 3.5.10 CBI
2405074	2014, DACO 3.5.11 Flammability for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.11 CBI
2405075	2014, DACO 3.5.12 Explodability for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.12 CBI
2405076	2014, DACO 3.5.13 Miscibility for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.13 CBI
2405077	2014, DACO 3.5.15 Dielectric Breakdown Voltage for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.15 CBI
2405078	2014, DACO 3.5.4 Formulation Type for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.4 CBI
2405079	2014, DACO 3.5.5 Container Material & Description for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.5 CBI
2405080	2014, DACO 3.5.9 Viscosity for Scotts EcoSense Slug B Gon Slug and Snail Bait, DACO: 3.5.9 CBI
2405083	2013, Slug and Snail Bait 3*4014 (S15632; 1 % a.i.): A 48-Hour Static Acute Toxicity Test With the Cladoceran ( <i>Daphnia magna</i> ), DACO: 9.3.2
2405084	2013, Slug and Snail Bait 3*4014 (S15632; 1% a.i.): A 96-Hour Static Acute Toxicity Test With the Rainbow Trout ( <i>Oncorhynchus mykiss</i> ), DACO: 9.5.2.1
2405085	2012, Slug and Snail Bait 3*4014: An Acute Oral Toxicity Study With the Northern Bobwhite Using a Sequential Testing Procedure, DACO: 9.6.2.1
2405086	2012, Slug and Snail Bait 3*4014 (S15632; 1 % a.i.): A 96-Hour Toxicity Test With the Freshwater Alga ( <i>Pseudokirchneriella subcapitata</i> ), DACO: 9.8.2
2405059	2013, Efficacy of S-15632 1% Ferric Phosphate on Grey Garden Slug in Artificial Populations in 16 sq ft arenas, DACO: 10.2.3.3(C), 10.3.2
2405060	2011, Efficacy of Ferric Phosphate pellets against <i>Deroceras reticulatum</i> in protecting enclosed field lettuce (artificial inoculation, DACO: 10.2.3.3(C), 10.3.2
2405061	2013, Efficacy of S-15632 1% Ferric Phosphate on Grey Garden Slug in Artificial Populations in 1 sq m arenas, DACO: 10.2.3.3(C), 10.3.2
2405062	2011, Efficacy of Bourth produced S-15632 against <i>Arion fasciatus</i> , DACO: 10.2.3.3(C), 10.3.2
2405063	2014, Evaluation of Organic Fertilizers as Food for Kentucky Bluegrass and Perennial Ryegrass, DACO: 10.2.3.3(C), 10.3.2
2405070	2013, Registration Report-Central Zone, DACO: 10.4, 10.5

ISSN: 1911-8082

**8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services  
Canada 2016**

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.