



Evaluation Report for Category B.3.11, B.3.12, C.8.1-S-N-EP application

Application Number: 2006-7182
Application: Cat B.3.11 (new pest), Cat B.3.12 (new site/host), Cat C.8.1 (Master product).
Product: Safer's Trounce Lawn & Turf Insecticide
Registration Number: 28681
Active ingredients (a.i.): Potassium Salt of Fatty Acids (20%) and Pyrethrins (0.2%)
PMRA Document Number: 1413858

Purpose of Application

The purpose of this submission is to register a new end-use product Safer's Trounce Lawn & Turf Insecticide to be used for the control of ants, chinch bug, earwigs and sod webworm on lawn and turf. This new EP consists of re-packaging of a currently registered product, Safer's Trounce Yard & Garden Insecticide (Reg. No. 20564). For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Chemistry Assessment

A chemistry assessment was not required since there was no change to product chemistry.

Health Assessments

The use of potassium soap salts and pyrethrins on domestic lawns fits within the registered use pattern for each active ingredient. No personal protection equipment is required for handling the product.

Environmental Assessment

The product formulation of Safer's Trounce Lawn & Turf Insecticide is identical to that of the other currently registered Safer's Trounce products. The application rate and method of Safer's Trounce Lawn & Turf Insecticide for the control of ants, chinch bug, and earwigs on lawn and turf are equivalent to those currently registered for use on fruit trees, flowers, ornamentals, shrubs and vegetables. Therefore, no increase in environmental risk is expected. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Data from seven field trials demonstrated acceptable efficacy of Safer's Trounce Lawn & Turf Insecticide against chinch bug (population reductions of 61-100%). Data from laboratory trials demonstrated that Safer's Trounce Lawn & Turf Insecticide can kill at least two different species of ants when applied directly to the ants. No efficacy data were submitted for earwigs, but other products with the same formulation are currently registered for earwigs. Data from both field and greenhouse trials demonstrated that applications of Safer's Trounce Lawn & Turf Insecticide are unlikely to damage turf grasses. Safer's Trounce Lawn & Turf Insecticide provides a valuable alternative to products containing carbaryl, the only other active ingredient registered in Canada for domestic use against chinch bug, but prohibited for this use by many Canadian municipalities.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to allow for registration of Safer's Trounce Lawn & Turf Insecticide for use on lawn and turf for the control of ants, chinch bug and earwigs.

References

A. List of Studies/Information Submitted by Registrant

Value Assessment

PMRA 1324145 (part) No Date. Trounce insecticide for control of hairy chinch bug in turf. Unpublished. 1 page. DACO 10.2.3.3

PMRA 1324145 (part) 1989. Control of chinch bugs in turf by Trounce and diazinon. Unpublished. 1 page. DACO 10.2.3.3

PMRA 1324145 (part) 1987. Chinch bug, Blissus leucopterus (Say). Unpublished. 2 pages. DACO 10.2.3.3

PMRA 1324147 1988. Mortality of carpenter ants, Camponotus sp., treated with SAP (2028) and MGK F-7352 at their recommended rates. Safer Ltd., Victoria, BC, unpublished. 1 page. DACO 10.2.3.3

PMRA 1324148 1988. Mortality of field ants, Formica sp., treated with SAP (2028) at two concentrations and MGK F-7352 at its recommended rate. Safer Ltd., Victoria, BC, unpublished. 1 page. DACO 10.2.3.3

PMRA 1324150 (part) 1990. Field phytotoxicity trials (File: RES-P-1061, Exp. No.: LI-10). Unpublished. 8 pages. DACO 10.3.2

PMRA 1324150 (part) 1990. Phytotoxicity of SAP 2028 on lawn grass species - greenhouse trials (File: RES-P-1061, Exp. No.: LI-1 and LI-9). Unpublished. 5 pages. DACO 10.3.2

Health Assessment

PMRA Document Number	All Contexts
PMRA # 1341122	2006, DACO 5.2 Use Description, DACO: 5.2
PMRA # 1341124	2006, DACO 5.2 Use Description, DACO: 5.2

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