

Evaluation Report for Category C, Subcategory B.3.11 Application (New or Changes to Product Label – New Pests)

Application Number: 2013-7111
Application: Category B, Subcategory B.3.11 (new or changes to product label – new pests)
Product: Reward Aquatic Herbicide
Registration Number: 26271
Active ingredients (a.i.): 240 g/L diquat
PMRA Document Number : 2435056

Background

Reward Aquatic Herbicide is a restricted class herbicide registered for aquatic weed management in still or slow-moving water of farm dugouts, ponds farm ditches, lake and canals. Reward Aquatic Herbicide is also registered for non-selective weed control on non-crop land. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend registration of Reward Aquatic Herbicide to include control claims for the invasive aquatic species water chestnut and water soldier, at presently labelled rates of application.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Water chestnut and water soldier are two invasive alien species that have been found in Ontario waterways. Over time they may be capable of altering native ecosystems, displacing native species of plants, fish and other species and even inflicting economic losses in the future. The information submitted for review in support of the value requirement included two reports that discussed replicated trials conducted in controlled conditions at the US Army Engineer Research and Development Center, University of Florida Center for Aquatic and Invasive Plants, Gainesville, Florida, USA. The reports document thorough efficacy testing of diquat to control the proposed weeds and conclude that both species are highly susceptible to diquat.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Reward Aquatic Herbicide to include control

claims for water chestnut and water soldier.

References

List of Studies/Information Submitted by Registrant

2376421	10.1	Response of Cabomba, Water Chestnut, and Water Soldier to the Herbicide Diquat under Greenhouse Conditions
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2376424	10.1	Response of Water Soldier to the Herbicide Diquat: The Effect of Turbidity, Water Temperature, and Plant Size on Efficacy
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