



## Evaluation Report for Category C, Subcategory C.3.10 and C.3.11 Application (New or Changes to Tank Mixes and Pests)

**Application Number:** 2012-2071  
**Application:** Category C, Subcategory C.3.10 and C.3.11 (new or changes to tank mixes and pests)  
**Product:** Roundup WeatherMax with Transorb 2 Technology Liquid  
**Registration Number:** 27487  
**Active ingredients (a.i.):** 540 g a.e./L glyphosate present as potassium salt  
**PMRA Document Number :** 2212322

### Background

Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide, containing 540 g/L glyphosate present as potassium salt, is registered for non-selective weed control in cropping systems before planting of all crops; post-emergent applications in Roundup Ready crops; pre-harvest applications in small grain cereals, pulse crops, and legumes; in pasture renovation; in forage, legume, and grass establishments; in tree crops; in grapes, cranberries, blueberries, and strawberries; in sugar beets; in asparagus; in North American ginseng; in tree plantings; and grasses for seed production. 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 the registration of Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide to include an option of tank mixing with other herbicides to terminate Roundup Ready alfalfa and provide broad spectrum weed control prior to planting a successive crop. The tank mix options requested were:

- 2,4-D Ester or Amine Herbicide at 857 g a.e./ha or,
- Banvel II Herbicide at 600 g a.e./ha or,
- Lontrel 360 Herbicide at 202-299 g a.e./ha or,
- 2,4-D Herbicide at 592 g a.e./ha + Banvel II Herbicide at 600 g a.e./ha or,
- 2,4-D Herbicide at 592 g a.e./ha + Lontrel 360 Herbicide at 151 g a.e./ha or,
- Curtail M Herbicide at 660-990 g a.e./ha.

These tank mixtures are intended for application in the fall when Roundup Ready alfalfa is at the bud stage of growth, with or without follow-up tillage two to three weeks after application. The intent of follow-up tillage is to improve the level and consistency of control, particularly under environmentally stressed conditions.

### Chemistry, Health, and Environmental Assessments

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

### Value Assessment

Stands of alfalfa, a perennial crop, are typically kept in rotation for up to several years prior to being terminated in advance of planting a successive crop. The availability of the requested tank mixtures would be expected to provide a means of terminating Roundup Ready alfalfa while minimizing escapes and providing broad spectrum weed control prior to the planting of successive crops.

Value information provided included data from 11 efficacy trials conducted in the Prairie Provinces at six locations in 2009-2010. Efficacy of all six requested tank mixes at the requested rates with or without a follow up tillage two to three weeks after herbicide application was evaluated in these trials. Herbicide treatments were applied to Roundup Ready alfalfa established for two years in mid-August to mid-September. Control of Roundup Ready alfalfa was visually assessed and reported on two occasions at 26-37 days after treatment (DAT) and 272-291 DAT.

The data indicate that control of established Roundup Ready alfalfa would be expected following an application of any one of these tank mixtures, particularly when followed by tillage two to three weeks later.

### **Conclusions**

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide to include the option of applying in tank mixtures with particular herbicides for the purpose of terminating stands of established Roundup Ready alfalfa and providing broad spectrum weed control in advance of planting the field areas to successive crops.

### **Reference**

List of Studies/Information Submitted by Registrant

PMRA # 2196680: Efficacy data to support the registration of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide tank mix with 2,4-D, Banvel II, Curtail M, Lontrel, 2,4-D + Banvel II, and 2,4-D + Lontrel for removal of roundup ready alfalfa. submitted on May 31, 2012. DACO 10. pp 89.

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2012

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.