

## Evaluation Report for Category C, Subcategory 3.11 (new pests) Application

**Application Number:** 2006-2921/2924/2925  
**Application:** Evaluation Report for Category C, Subcategory 3.11 (new pests)  
**Product:** Adrenalin SC Herbicide (2006-2921), Solo WDG Herbicide (2006-2924), AC 299,263 120 AS Herbicide Solution (2006-2925)  
**Registration Number:** 27879 (2006-2921), 25496 (2006-2924), 26705 (2006-2925)  
**Active ingredients (a.i.):** imazamox at 20 g/L & 2,4-D (present as 2-ethylhexyl ester) at 560 g/L (2006-2921), imazamox at 70% a.e. (2006-2924), imazamox (present as ammonium salt) at 120 g/L (2006-2925)  
**PMRA Document Number:** 1373916

### Background

Imazamox is registered as an aqueous solution (AC 299,263 120 AS) and as a wettable dispersible granule (Solo WDG). The imazamox 120AS formulation is also a component of the registered premix product Adrenalin SC, which also contains the herbicide 2,4-D ester. All products, AC 299,263 120 AS, Solo WDG, and Adrenalin SC, are registered for selective post-emergence grassy and broad-leaved weed control for use in the Prairie Provinces and Peace River region of British Columbia only. 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 herbicide products AC 299,263 120 AS (PCP 26705; Sub. No. 2006-2925), Solo WDG (PCP 25496; Sub. No. 2006-2924) and Adrenalin SC (PCP 27879; Sub. No. 2006-2921) to add control claims for Persian darnel (*Lolium persicum*) and yellow foxtail (*Setaria lutescens*) with an application rate of 20 g a.e./ha of imazamox.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the only change to the use pattern was removal of the previously registered higher rate of 25 g a.i./ha and use of Impact Herbicide as the alone herbicide. The host crop and the application timing remain the same.

## Value Assessment

Efficacy for Persian darnel and yellow foxtail was visually assessed throughout the growing season in 14 single season trials conducted in the Prairie Provinces over four years. Data collected mid-season supported control claims for Persian darnel and yellow foxtail.

## Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of the imazamox products; AC 299,263 120 AS, Solo WDG, and Adrenalin SC, to add control claims for Persian darnel and yellow foxtail.

## References

### A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

#### VALUE

- |              |   |
|--------------|---|
| PMRA 1210626 | Application for control of Persian Darnel ( <i>Lolium persicum</i> ) and Yellow Foxtail ( <i>Setaria lutescens</i> ) by AC 299,263 120 AS Herbicide Solution, Solo WDG Herbicide and Adrenalin SC Herbicide. Value Summaries: Reg. Doc #2006/7007003. |
| PMRA 1210628 | Raw Data. Application for control of Persian Darnel ( <i>Lolium persicum</i> ) and Yellow Foxtail ( <i>Setaria lutescens</i> ) by AC 299,263 120 AS Herbicide Solution, Solo WDG Herbicide and Adrenalin SC Herbicide.                                |
| PMRA 1291688 | Raw Data. Application for control of Persian Darnel ( <i>Lolium persicum</i> ) and Yellow Foxtail ( <i>Setaria lutescens</i> ) by AC 299,263 120 AS Herbicide Solution, Solo WDG Herbicide and Adrenalin SC Herbicide.                                |

ISSN: 1911-8082

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