



## **Addition of a tank mix Evaluation Report for Category C, Subcategory 3.10 Application**

**Application Number:** 2007-8672  
**Application:** Addition of a Tank Mix  
**Product:** Solo WDG Herbicide  
**Registration Number:** 25496  
**Active ingredients (a.i.):** imazamox 70% a.e.  
**PMRA Document Number:** 1591108

### **Background**

Solo WDG Herbicide has been registered since 10 November 1998. Solo WDG Herbicide is registered for sale in the Prairie Provinces and the Peace River Region of British Columbia only for control of grass and broadleaf weeds in field peas, imazamox and imazethapyr tolerant canola, and imazamox and imazethapyr tolerant lentils. It may be applied post emergent at rates of 15 or 20g a.e./ha. For specific details of uses, application rates, 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 Solo WDG Herbicide (Reg. No. 25496) to include a tank mix with Basagran Forte Liquid Herbicide (Reg. No. 22006), containing 480g/L bentazon, and a nitrogen source (28% UAN or ammonium sulphate) for use in field pea for the control of weeds listed on the Solo WDG Herbicide label in addition to volunteer canola, (including imidazolinone tolerant varieties such as Clearfield™) and Group 2 resistant biotypes of wild mustard, which appears on the Basagran Forte Liquid Herbicide label.

### **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 use pattern, including host crops, application rates and timings, of the component products remained unchanged.

### **Value Assessment**

Data were submitted from a total of 10 field trials conducted in 2007 from Manitoba, Saskatchewan and Alberta. Efficacy and crop safety of the proposed tank mixture were directly compared to that of the registered stand alone treatments of Solo WDG Herbicide (Reg. No. 25496), Basagran Liquid Herbicide (Reg. No. 22006), and Odyssey WDG Herbicide (Reg. No. 25111).

The performance of the proposed tank mixture was acceptable and similar to that of the registered alone treatments of Solo WDG Herbicide and Basagran Liquid Herbicide for control of weed species listed on the Solo WDG Herbicide label, in addition to Group 2 herbicide resistant wild mustard and imazamox tolerant volunteer canola as listed on the Basagran Forte Herbicide label. Performance was also acceptable and similar in terms of crop safety, assessed as both crop injury and yield.

### **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of the Solo WDG Herbicide label to include a tank mix with Basagran Forte Liquid Herbicide and 28% UAN.

### **References**

PMRA#1516544      BASF Canada Inc. 2007. Solo WDG Herbicide: Application for Solo WDG Herbicide + Basagran Forte Liquid Herbicide + 28% UAN in field pea. DACO: 10.3.2, 10.2.3.3 Pg. 26.

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