



## **ADVICE SUMMARY**

### **APPLICATION FOR VARIATION OF A REGISTERED CHEMICAL PRODUCT**

**Product name:** SHARPEN WG HERBICIDE  
**Applicant:** BASF AUSTRALIA LTD.  
**Product number:** 62853  
**Application number:** 63231

**Purpose of Application and Description of Use:** Variation of label approval to amend canola plant back timing.

**Active Constituent(s):** SAFLUFENACIL

#### **Regulatory Decision:**

To grant the application subject to the following conditions:

#### **Standard Conditions of Label Approval**

1. Label must contain a Date of Manufacture and Batch Number

For full conditions, refer to the Conditions of Product Label Approval on the APVMA website.

## ADVICE

### State/External Efficacy Reviewer

In support of the proposed variation of the label approval of Sharpen® WG Herbicide to amend the plant back period for canola from 16 weeks to 6 weeks after application, data from eight phytotoxicity trials conducted in NSW, Victoria, South Australia and Western Australia were provided.

The trials used scientific methodology and appropriate assessment parameters. The rates applied in the trials encompassed the proposed label rates. The trials incorporated 4 replicates and untreated controls. Results were analysed using standard statistical procedures (ANOVA, LSD).

A range of canola cultivars were used in the trial. A single application of Sharpen® was applied at intervals ranging from 70 to 0 days prior to sowing to determine if residues in the soil were phytotoxic or detrimental to crop growth and yield. Applications were at label rates plus double label rate for comparison. Assessments of plant establishment, phytotoxicity, plant vigour, biomass and grain yield were made to determine if soil residues were impacting on crop performance from germination to harvest and to establish a safe plant back interval after fallow.

Results demonstrated no significant impact on canola yield when Sharpen® was applied at label rates at greater than 30 days before sowing. This supports the label change from 16 weeks to 6 weeks plant back interval following application of Sharpen® WG Herbicides at the proposed label rates. The 6 week plant back interval should provide sufficient safety margin considering the impact of rainfall on soil residues and the differences observed between canola cultivars.

Considering the efficacy reviewer's advice, the APVMA is satisfied that the use of the product would be effective and safe when used in accordance with the proposed label instructions.

### Data relied on to provide the advice

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
89150	S	Josh Barron	Canola Re-cropping Interval for Sharpen Herbicide	20 March 2013	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89151	S	David Lonsdale	Sharpen Plantback Study (Lupin, Canola & Mustard).	14 February 2012	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89152	S	Bill Frost	Evaluation of the impact of sharpen herbicide applied at varying intervals prior to sowing on the establishment and growth of various winter legume crops	9 May 2013	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89153	S	Joel Gorman	Evaluation of sharpen wg re-cropping interval in winter crops	20 November 2013	Efficacy and	Phytotoxicity and	Applicant	

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
					safety	crop safety		
89154	S	Stephen Corbett	Plant back period for BAS 80001H in canola	6 March 2014	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89155	S	Nicole Pinny	Canola Plant-Back - Site 2	25 February 2014	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89156	S	Trent Butcher	Canola Plantback	13 January 2014	Efficacy and safety	Phytotoxicity and crop safety	Applicant	
89149	S	Stephen Corbett	To evaluate the re-cropping interval of Sharpen, applied prior to planting, in canola cv. ATR Gem. Young, NSW 2012	2012	Efficacy and safety	Phytotoxicity and crop safety	Applicant	

\* S = Data submitted with the application