



ADVICE SUMMARY

APPLICATION FOR REGISTRATION OF A CHEMICAL PRODUCT

Product name: SABRECUT 800 WG HERBICIDE
Applicant: GROW CHOICE PTY LIMITED
Product number: 70303
Application number: 62959

Purpose of Application and Description of Use: Registration of an 800 g/kg flumetsulam water dispersible granule product for the post-emergence and salvage control of certain broadleaf weeds in winter cereals (including those undersown with clover, lucerne or medics) clover, fenugreek, lathyrus, lucerne, medic, serradella, and vetch (Popany only) seed crops and pastures; chickpeas, field peas, lentils, maize, peanuts and for the pre-emergent control of certain broadleaf weeds in maize and soybeans.

Active Constituent(s): FLUMETSULAM

Regulatory Decision:

To grant the application subject to the following conditions:

Standard Conditions of Registration/Approval

1. Containers must meet AgVet Code Regulation 18
2. Agricultural products must meet Active Constituents Quality Assurance Requirements
3. Label must contain a Date of Manufacture and Batch Number

For full conditions, refer to Standard Conditions for Applications on the APVMA website.

ADVICE

State/External Efficacy Reviewer

The results of two small replicated pot trials in peas and wheat were submitted in support of the efficacy and safety of the proposed product against weeds in various crops. The trials were conducted at Eudunda, South Australia and Shepparton, Victoria and compared the performance of the proposed product with two industry standard herbicides (all water dispersible granule formulations containing 800 g/kg flumetsulam). Statistical analyses were undertaken utilising Analysis of Variance (ANOVA) and Least Significant Difference (LSD).

In the Eudunda trial, the proposed product and industry standard #1 were applied at the rates of 12 and 20 g ai/ha using a small plot 2 metre boom. The target weed species were capeweed, volunteer canola, Indian hedge mustard, fumitory and marshmallow. The trial was established as a randomised complete block design (plots were 2 x 15 metres) with five replicates. Detailed assessments were conducted at 0, 14, 21, 35 and 45 days after treatment (DAT) and at commercial harvest. These included pre-spray weed counts, weed control, crop safety, final weed counts and grain yield. At equivalent rates of application, the proposed product provided comparable control of capeweed, volunteer canola, Indian hedge mustard, fumitory and marshmallow to that of industry standard #1.

In the Shepparton trial, the proposed product and industry standard #2 were applied at the rates of 12 and 20 g ai/ha. The target weed species was wild radish. The trial was established as a randomised complete block design (plots were 2 x 10 metres) with four replicates. Assessments were conducted at 1, 2 and 6 weeks after treatment (WAT) with the harvest assessment conducted at 21 WAT. These included pre-spray weed counts, final weed counts, percentage weed brownout, percentage weed biomass reduction, percentage crop biomass reduction, crop phytotoxicity, crop vigour, and grain yield. When the trial commenced, the infestation level was moderate with 13.2 wild radish plants per square metre observed. The proposed product provided good long term control of wild radish with significantly higher brownout and biomass reduction than the untreated control. At equivalent rates of application, the proposed product provided comparable or greater brownout and biomass reduction of wild radish to that of industry standard #2.

When applied at equivalent rates, the proposed product produced comparable symptoms of crop phytotoxicity, reductions in crop vigour and crop biomass reduction to that of the industry standard herbicides. The results from both trials show that the proposed product provided bioequivalent weed control at the label rate to the two commercial standard herbicides.

The APVMA accepts the advice of the efficacy reviewer, and is satisfied that the proposed product should be safe and effective when used according to 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.
87910	S	David Landmeter	Evaluation of Flumetsulam 800 WG against weeds in winter crops, One trial, Shepparton, Victoria 2013	8 April 2013	Efficacy and safety	Efficacy	Applicant	
87909	S	Lachlan Parker	Evaluation of Flumetsulam 800 WG for the control of broadleaf weeds in Field Peas, One trial, Eudunda, South Australia 2013	12 February 2014	Efficacy and safety	Efficacy	Applicant	

* S = Data submitted with the application