



Evaluation Report for Category B, Subcategory 3.4 Application

Application Number: 2019-2605
Application: Changes to End-Use Product Label – Application Method
Product: Katana 25WG Herbicide
Registration Number: 33129
Active ingredient (a.i.): Flazasulfuron
PMRA Document Number : 3144433

Purpose of Application

The purpose of this application was to amend the end-use product, Katana 25WG Herbicide, to add an aerial application method on conifer trees (site preparation and conifer release).

Chemistry Assessment

A chemistry review was not required for this application.

Health Assessments

Mixer, loader, and applicator exposures to flazasulfuron from aerial application to conifers for conifer release and site preparation show that risks are not of concern when workers wear the required personal protective equipment, and follow the label precautions and directions. Risks to postapplication workers and bystanders are also not of concern.

Toxicology and food residue exposure assessment were not required for this application.

Environmental Assessment

The application rate for aerial use on conifer trees (site preparation and conifer release) in forestry is identical to the registered rate for ground application on conifer trees (site preparation and conifer release) in forestry. Appropriate mitigation was determined for the addition of the aerial application method as a restricted use. The corrected label includes all the required environmental precautions, hazards and directions for use statements (including the aerial application instructions for the proposed restricted use), and the spray buffer zone information, which adequately mitigates risks to the environment. Therefore, the environmental risk is acceptable for use of Katana 25WG Herbicide when used in accordance with the label directions.

Value Assessment

The addition of aerial application on conifers (site preparation and conifer release) would provide users with an option to access distant, rugged, or large sites.

Value information submitted for review consisted of scientific rationales,

responses to clarification requests, and data from field trials conducted on forest sites.

For pre-emergent weed control, effects of a lower water volume applied by air (i.e., 50 L/ha) compared to ground (i.e., 150-400 L/ha) are minimal. Once the product reaches soil surface, adequate soil moisture or rainfall is required for product activation.

Applications for site preparation are to be made in the fall and one year old conifer seedlings are to be transplanted the following year. Information consisting of data from field trials and scientific rationales collectively demonstrated that transplanted conifer seedlings can be expected to exhibit an adequate margin of tolerance to Katana 25WG Herbicide applied in the previous year as a site preparation treatment.

Since aerial applications on conifer release areas (greater than one year of age) are to be applied at the same timings as ground applications, i.e., prior to spring bud break or when conifers are sufficiently hardened off in the fall, tolerance of conifers to an aerial application is expected to exhibit an adequate margin of tolerance to Katana 25WG Herbicide.

Aerial application of Katana 25WG Herbicide in tank mix with listed glyphosate products for additional control of post-emergent weeds is supported because aerial application for site preparation and conifer release are registered uses on each listed glyphosate product label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the addition of an aerial application method on conifer trees (site preparation and conifer release) to the label of Katana 25WG Herbicide.

References

PMRA Document Number	Reference
2172938	AHETF, 2012. Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays. Report Number AHE1007. January 20, 2012.
3001297	2019, Cross Reference for the Requirement for DACO 5.2 and 5.3: Use Description/Scenario (Application and Post Application) and Pesticide Handlers Exposure Database Assessment for Flazasulfuron 25WG Herbicide, DACO: 5.2,5.3
3001298	2019, Efficacy of aerial applications of Flazasulfuron 25WG Herbicide (Katana 25 WG Herbicide), DACO: 10.1, 10.2, and 10.2.3.3.
3037704	Response to a clarification email.
3038800	2019, Efficacy evaluation of flazasulfuron for brush and weed control in forestry: Conifer release trials, DACO: 10.2.3.3 and 10.3.2.
3038801	2019, Efficacy evaluation of flazasulfuron for brush and weed control in forestry: Conifer release trials, DACO: 10.2.3.3 and 10.3.2.

3038802 2019, Flazasulfuron conifer release trial Yoho Lake, New Brunswick, DACO:
10.2.3.3 and 10.3.2.

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