

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2016-1936
Application: Changes to Product Label: New Site or Host
Product: Avadex Microactiv Herbicide
Registration Number: 25112
Active ingredients (a.i.): Triallate
PMRA Document Number : 2813111

Purpose of Application

The purpose of this application was to amend the label of Avadex Microactiv Herbicide to include use on field pea for control of wild oats.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

Quantitative cancer and non-cancer risk assessments were conducted for mixer / loader / applicators. The health risks to post-application workers and bystanders were assessed qualitatively. Risks of concern are not expected from the approved use of Avadex MicroActiv Herbicide when label directions and precautionary statements are followed.

No new residue data were submitted in support of the addition of field pea to the label of Avadex MicroActiv Herbicide. The previously reviewed data were reassessed in the framework of this application and it was determined that the addition of field pea to the label of Avadex MicroActiv Herbicide is not expected to result in an increase in the magnitude of triallate residues in field pea. Therefore, the use of Avadex MicroActiv Herbicide will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

There no additional environmental concerns anticipated with the addition of field pea to the Avadex Microactiv Herbicide usepattern.

Value Assessment

Wild oat is a major weed in Canadian agricultural production. Wild oat control relies heavily on products from herbicide mode of action Groups 1 or 2. Wild oat resistance to

Group 1 or 2 herbicides has been identified as a significant problem in pulse crop production. Moreover, wild oats developing multiple resistance to Group 1 and 2 herbicides is on the rise in recent years.

The expansion of the registration of Avadex MicroActiv Herbicide to field pea would provide Canadian growers an alternative tool with a different mode of action (Group 8) to manage wild oats, especially the biotypes resistant to Group 1 or 2 herbicides (or both), in these crops.

Value information submitted included three published scientific papers, summaries of use history information, and a rationale. The value information demonstrated that field pea can be expected to have adequate margins of crop tolerance to Avadex MicroActiv applied in accordance with the label instructions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendment of the Avadex Microactiv Herbicide label to include use on field pea for control wild oats.

References

PMRA

Document

Number	Reference
2172938	2012, Agricultural Handler Exposure Task Force (AHETF). Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays. Report Number AHE1007. January 20, 2012. Unpublished. DACO 5.3, 5.4
2679675	2016, Value summary: Avadex MicroActiv (trallate) label expansion. DACO: 10.1, 10.2.3.1, 10.2.3.3(B), 10.3.1, and 10.3.2(A).
2679678	1980, Tolerance and residue studies of triallate in lentils. DACO: 10.2.3.3(B).
2679679	1986, Tolerance of lentil (<i>Lens culinuris</i> Medik.) to herbicides. DACO: 10.2.3.3(B).
2679680	2012, Integrated weed management in lentils. DACO: 10.6.
2687648	2016, Triallate use in faba beans. DACO: 10.2 and 10.2.4.

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