Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2009-1599
Application: B.3.12: Changes to Product Labels-New Site
Product: Escort Herbicide 60% Dry Flowable
Registration Number: 23005
Active ingredients (a.i.): Metsulfuron-methyl (MEM) / herbicide
PMRA Document Number : 1824055

Purpose of Application

The purpose of this application was to add post-emergent control of broad leaf weeds and undesirable brush/woody plant species in rough turf and non-crop areas such as roadsides, industrial sites and fence lines in Eastern Canada to the Escort Herbicide 60% Dry Flowable label.

Health Assessment

A toxicology assessment was not required since there was no change to the currently registered formulation.

The use of Escort Herbicide 60% Dry Flowable in Eastern Canada should not result in an increase in potential occupational or bystander (re-entry) exposure over currently registered uses of the active ingredient since the application rate, number of applications, frequency of application and method of application fall within the currently registered use pattern for other areas of Canada.

No new food residue data were submitted in support of this application. Escort Herbicide 60% Dry Flowable is registered for use on pasture, rangeland, rough turf and non-crop areas in the Prairie Provinces and British Columbia. The addition of rough turf, rangeland and non-crop areas in Eastern Canada to the label of Escort Herbicide 60% Dry Flowable is not expected to impact the magnitude of metsulfuron-methyl residues. Consequently, no increase in dietary exposure to any segment of the population is anticipated.

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Environmental Assessment

A review of the environmental fate of metsulfuron-methyl indicates that the key factor affecting the persistence and mobility of this pesticide is soil pH. As soil pH decreases, metsulfuron-methyl becomes less soluble and the rate of breakdown by acid-catalyzed hydrolysis increases. Because the soils in Eastern Canada are generally more acidic than in Western Canada, the use of this product in the Eastern Canada will not result in increased environmental exposure relative to Western Canada. The current label statement concerning leaching is adequate.

Value Assessment

In field trials conducted at various locations in Eastern Canada, Canada thistle, poplar, willow and trembling aspen were controlled following an application of metsulfuron-methyl at registered rates in combination with a labelled surfactant. It was, therefore, concluded that Dupont Escort Herbicide 60% Dry Flowable can be expected to control labelled weeds in Eastern Canada.

Conclusion

The Agency has completed an assessment of the information provided in support of the subject application and has determined the use of Escort Herbicide 60% Dry Flowable for post-emergent control of broad leaf weeds and undesirable brush/woody plant species in rough turf and non-crop areas such as roadsides, industrial sites and fence lines in Eastern Canada to be acceptable.

References

1752652 2009, Assessment of the relevance of Metsulfuron Methyl field soil dissipation studies conducted in North America to use environements in Eastern Canada, DACO: 8.3.2

1204435 1987, Aerobic soil metabolism of [phenyl(u)-14c] dpx-t6376 in 7 Canadian soils (AMR-1001-87), DACO: 8.2.3.1.

1752651 2009. Value Summary. DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.3, 10.3.1, 10.3.2.

1752660 2009. Excel Summary Tables. DACO: 10.2.3.3(B).

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