

Evaluation Report for Category B.3.4 Application

Application Number: 2010-5692
Application: New Application Method
Product: Movento 150 OD Insecticide
Registration Number: 28954
Active ingredients (a.i.): Spirotetramat [SPA]
PMRA Document Number: 2294926

Purpose of Application

The purpose of this application was to add aerial application to the label of Movento 150 OD Insecticide to the registered uses for potatoes and soybean.

Chemistry Assessment

No chemistry assessment was required for this application.

Health Assessments

A review of the proposed labels was conducted to support the addition of an aerial application to potatoes and soybeans on the end-use products Movento 150 OD Insecticide and Movento 240 SC Insecticides, containing the active ingredient spirotetramat. The proposed aerial spray volume meets the minimum aerial spray volume required under DIR98-02. The reporting of application rates in mL product/ha instead of g a.i./ha has no impact on the magnitude of the residues. The use pattern on all petitioned crops for both Movento 150 OD Insecticide and Movento 240 SC Insecticide remains unchanged. Therefore, no additional residue data are required in the context of this submission. From a food residue exposure point of view, no changes in the magnitude of the residues in food and feed crops are expected, and thus no increase in dietary exposure is anticipated.

A quantitative health assessment has been conducted for Movento 150 OD Insecticide, containing Spirotetramat (SPA). Exposure to Movento 150 OD Insecticide is within the exposure from the current use patterns for spirotetramat.

Environmental Assessment

The application rate for aerial applications on soybean and potato is the same as for currently registered uses with ground application equipment, and therefore, this use is not expected to increase the risk to the environment. Buffer zones of 15 metres for aerial applications must be observed to protect terrestrial habitat from spray drift.

Value Assessment

A total of four efficacy trials, two on soybean and two on potatoes, were reviewed which compared a simulated aerial application (45 L/ha spray volume) to ground application. Based on the results of these trials, aerial application of Movento 150 OD Insecticide is expected to have equivalent efficacy and crop tolerance to that of ground applications and is supported from a value and efficacy perspective.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of information available in support of Movento 150 OD Insecticide and has found the information sufficient to support the addition of aerial application to the label of Movento 150 OD Insecticide.

References

- 1983407 2010, Movento Insecticide: Data in Support of Aerial Application in Soybean and Potato, DACO: 10.1,10.2,10.2.3.3,10.3,10.3.2

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