

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2018-1438
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Clariant Herbicide
Registration Number: 33862
Active ingredients (a.i.): Chlorimuron ethyl
PMRA Document Number: 3003110

Purpose of Application

The purpose of this application was to register Clariant Herbicide, containing chlorimuron-ethyl, to control broadleaf weeds in soybeans. The application was based on a precedent product

Chemistry Assessment

Clariant Herbicide is formulated as a wettable granule containing chlorimuron-ethyl at a concentration of 25%. This end-use product has a density of 0.70-0.71g/mL and pH of 7.84. The required chemistry data for Clariant Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Clariant Herbicide is considered toxicologically equivalent to the precedent product. Subsequently, no toxicological data were submitted or were not required.

The use pattern of Clariant Herbicide on soybeans was compared to the registered use pattern of the precedent product. The occupational exposure risk assessment for chlorimuron ethyl was updated with current toxicology reference values and occupational exposure inputs. No health concerns are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for chlorimuron-ethyl were submitted to support the registration of Clariant Herbicide under the Protection of Proprietary Interests in Pesticide Data (PIIP) program. The use pattern on the Clariant Herbicide (including the target crop, application rates, timing and number of applications, application methods, spray volumes, pre-harvest intervals, grazing and feeding restrictions, recropping intervals and proposed tank-mix partners) are the same or within the currently registered use pattern for chlorimuron-ethyl. Therefore, residues in/on treated soybeans are not expected to increase and

will be covered under the maximum residue limit (MRL) established for chlorimuron-ethyl at 0.05 ppm for dry soybeans. Consequently, the dietary exposure to residues of chlorimuron-ethyl is not expected to increase with the registration of the new end-use product and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

Clariant Herbicide, and its associated uses were compared to a registered precedent product with respect to the active ingredient, chlorimuron-ethyl. Components and impurities in the formulation are not of environmental concern. Therefore, no additional risk to the environment is expected from the use of Clariant Herbicide.

The product label includes environmental precautions and buffer zone information, which adequately mitigate risks to the environment.

Value Assessment

Value information, which included data from field trials conducted in Ontario, demonstrated that the performance, in terms of efficacy and crop tolerance, of Clariant Herbicide was agronomically similar to the cited precedent product. The use history information of Clariant Herbicide in the US was considered supportive.

The availability of Clariant Herbicide provides users an alternative option to manage broadleaf weeds in soybeans.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Clariant Herbicide.

References

PMRA

Document

Number	Reference
2870621	2018, Additional Product Chemistry for Sharda Chlorimuron 25% WDG Herbicide, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.5.11, 3.5.12, 3.5.13, 3.5.15, 3.5.4, 3.5.5, 3.5.8, 3.5.9
2870626	2014, Description Of Starting Materials, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1 CBI
2870627	2014, Chlorimuron 25% WDG, Group B: Physical Properties Test Guidelines- Preliminary Analysis, Physical State, pH, Density, Storage Stability and Corrosion Characteristics, DACO: 3.3.1, 3.4.1, 3.5.1, 3.5.10, 3.5.14, 3.5.2, 3.5.3, 3.5.6, 3.5.7
2870619	2015, Efficacy, phytotoxicity and yield of their Chlorimuron 25% WDG Herbicide on Soy, DACO: 10.2.3.3(B).
2870620	2015, Efficacy, phytotoxicity and yield of their Chlorimuron 25% WDG Herbicide on Soy, DACO: 10.2.3.3(B).

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