

Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

Application Number: 2015-3461
Application: New End-Use Product Chemistry – Identity of Formulants and Proportion of Formulants
Product: Nufarm Clethodim 240 Herbicide
Registration Number: 32885
Active ingredients (a.i.): Clethodim
PMRA Document Number: 2693804

Purpose of Application

The purpose of this application was to register an end-use product, Nufarm Clethodim 240 Herbicide, as a post-emergent application to various crops for the control of certain annual grass weeds and quackgrass.

Chemistry Assessment

Nufarm Clethodim 240 Herbicide is formulated as an emulsifiable concentrate containing clethodim at a nominal concentration of 240 g/L. This end-use product has a density of 0.96 g/mL and pH of 5.0. The required chemistry data for Nufarm Clethodim 240 Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

The product is considered toxicologically equivalent to the precedent product. Consequently no toxicological data were submitted or are required.

The uses on the Nufarm Clethodim 240 Herbicide label are not expected to result in potential occupational or bystander exposure over the registered uses of clethodim. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No residue data for clethodim were submitted to support the registration of Nufarm Clethodim 240 Herbicide. The use pattern on the Nufarm Clethodim 240 Herbicide label, including the application rates, the timing of application, the preharvest intervals and the target crops, is identical to the use pattern on the registered precedent product. The residues of clethodim in/on treated crop commodities are not expected to increase and will be covered under the MRLs established for clethodim for the various crop commodities. Consequently, the dietary exposure to residues of clethodim is not expected to increase with the registration of the 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

An environmental assessment was not required for this application.

Value Assessment

The availability of Nufarm Clethodim 240 Herbicide would provide users an alternative option to manage grass weeds in labelled broadleaved crops. Registration of Nufarm Clethodim 240 Herbicide can be expected to increase marketplace competition with other similar herbicide products thereby potentially reducing purchasing costs to growers and applicators.

The formulation of Nufarm Clethodim 240 Herbicide was compared to the formulation of the cited precedent product. It was concluded that the differences in the formulations were unlikely to result in any significant impact on product performance, in terms of both efficacy and crop tolerance.

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 Nufarm Clethodim 240 Herbicide.

References

None

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