



Evaluation Report for Category C, Subcategory 3.1 Application

Application Number: 2006-7153
Application: Category C, subcategory 3.1 (application rate decrease)
Product: Equinox EC Herbicide (formerly Aramo EC Herbicide)
Registration Number: 27603
Active ingredients (a.i.): tepraloxydim at 200 g/L
PMRA Document Number: 1400625

Background

Aramo EC is an emulsifiable concentrate herbicide registered for post-emergence application for the control of annual and perennial grasses including wild oats, green foxtail, volunteer barley, volunteer wheat and quackgrass in flax, dry peas, and lentils. Aramo EC Herbicide was originally registered at a rate of 33 g a.i./ha in combination with 0.41% v/v Dash HC adjuvant or 0.5% v/v Merge adjuvant for annual grass control and at a rate of 50 g a.i./ha in combination with 0.62% Dash HC or 0.5% v/v Merge for quackgrass control and for annual grass control when weed densities are high and overlapping, when staging is late, or when weeds are under stress and not growing as actively due to moisture stress or temperature stress. Aramo EC may also be tank mixed with Buctril M or FlaxMax for use in flax. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Aramo EC Herbicide to include a reduced post-emergent application rate of 26.7 or 40 g a.i./ha (0.1335 or 0.2 L/ha) for the control of wild oats, volunteer wheat and volunteer barley in flax, dry peas, and lentils. This rate of Aramo EC is also intended for use in a tank mixture with Buctril M or FlaxMax for application to flax.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the only change to the use pattern was to reduce the application rate of Aramo EC Herbicide.

Value Assessment

Data from 25 field studies were submitted in support of the subject application. The trials were conducted over 5 years in 1995, 1998, 1999, 2005 and 2006 at different locations in Alberta, Saskatchewan and Manitoba. Overall, the level of wild oats, volunteer barley, and volunteer wheat control achieved with Aramo EC in combination with Merge or Dash HC adjuvants were acceptable at the lower rate of 26.7 g a.i./ha. The 26.7 g a.i./ha application rate of Aramo EC can be expected to control wild oats, volunteer barley, and volunteer wheat at the 1- to 6 leaf stage. The 40 g a.i./ha application rate of Aramo EC is intended for application when weed densities are high and overlapping, when staging is late, or when weeds are under stress and not growing as actively due to moisture stress or temperature stress.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Aramo EC Herbicide to include application rates of 26.7 or 40 g a.i./ha (0.1335 or 0.2 L/ha) for the control of wild oats, volunteer wheat and volunteer barley in flax, dry peas, and lentils.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

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| PMRA 1316907 | Application for ARAMO EC Herbicide (Tepraloxydim, BAS 620 00H) Reduced Rate for use on Flax, Field Peas and Lentils. Part 10 Value. October 6, 2006, pp. 17. |
| PMRA 1316910 | Application for ARAMO EC Herbicide (Tepraloxydim, BAS 620 00H) Reduced Rate for use on Flax, Field Peas and Lentils. Part 10 Value. October 6, 2006, pp. 201. |
| PMRA 1345192 | Application for ARAMO EC (BAS 620 00H) Herbicide Reduced Rate for use on Flax, Field Peas and Lentils. Part 10 Value. December 14, 2006, pp. 2. |

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