



Evaluation Report for Category B, Subcategory 3.11 Application (New or Changes to Product Labels-New Pests)

Application Number: 2020-0406
Application: New or Changes to Product Labels-New Pests
Product: Acuron Herbicide
Registration Number: 31846
Active ingredients (a.i.): S-Metolachlor and R-Enantiomer, Atrazine (plus related active triazines), Bicyclopyrone, Mesotrione
PMRA Document Number: 3124338

Background

Acuron Herbicide is registered for pre-emergent application to sweet, seed, and field corn and for post-emergent application to field corn (only) for control or suppression of grasses and broadleaf weeds at 4.91 L/ha and for short season control or suppression of the same weed spectrum at 4.0 L/ha. Nitrogen solution, e.g., 28% UAN, may replace water as a carrier for the pre-emergent application. Acuron Herbicide is also recommended for post-emergent application in tank mix with a glyphosate herbicide in glyphosate tolerant field corn. 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 Acuron Herbicide to include control claims for Canada fleabane (1-20 cm), giant ragweed (1-10 cm), hairy galinsoga (0-10 cm) and yellow nutsedge (1-15 cm) at 4.91 L/ha and short season control claims for these weeds at 4.0 L/ha.

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessments

Health and environmental assessments were not required since there are no changes made to the application rate and use pattern.

Value Assessment

The expansion of the Acuron Herbicide label to include Canada fleabane, giant ragweed, hairy galinsoga and yellow nutsedge would provide corn growers with an option to control these weeds that have documented resistance to multiple herbicide modes of action, especially glyphosate herbicide.

Value information submitted for review consisted of scientific rationales and data from field trials. The provided information demonstrated that a pre- or post-emergent application of Acuron Herbicide at 4.0 or 4.91 L/ha alone or in tank mix with a glyphosate herbicide can be expected to provide acceptable control of Canada fleabane, giant ragweed, hairy galinsoga and yellow nutsedge (including glyphosate resistant biotypes). To be consistent with the registered label, control of these weeds is supported for the rate of 4.91 L/ha and short season control of these weeds is supported for the rate of 4.0 L/ha.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that in accordance with the label, the submitted information is adequate to support control claims for Canada fleabane (1-20 cm), giant ragweed (1-10 cm), hairy galinsoga (0-10 cm) and yellow nutsedge (1-15 cm) at 4.91 L/ha and short season control of these weeds at 4.0 L/ha.

Reference

List of Studies/Information Submitted by Registrant

Value Assessment

3085412	2020, Weed Submission Value Summary, DACO: 10.1
3085416	2020, CAON0H1052019 Trial Report, DACO: 10.2.3.3
3085417	2020, CAON0H8082019 Trial Report, DACO: 10.2.3.3
3085418	2020, CAON0H8092019 Trial Report, DACO: 10.2.3.3
3085419	2020, CAON0H8102019 Trial Report, DACO: 10.2.3.3
3085420	2020, CAON0H8112019 Trial Report, DACO: 10.2.3.3
3085421	2020, CAON0H8122019 Trial Report, DACO: 10.2.3.3
3085422	2020, CAON0H8162019 Trial Report, DACO: 10.2.3.3
3085423	2020, CAON0H1062019 Trial Report, DACO: 10.2.3.3
3085424	2020, CAON0H1072019 Trial Report, DACO: 10.2.3.3
3085425	2020, CAON0H1082019 Trial Report, DACO: 10.2.3.3
3085426	2020, CAON0H1092019 Trial Report, DACO: 10.2.3.3
3085427	2020, CAON0H8052019 Trial Report, DACO: 10.2.3.3
3085428	2020, CAON0H8062019 Trial Report, DACO: 10.2.3.3
3085429	2020, CAON0H8072019 Trial Report, DACO: 10.2.3.3
3085430	2020, CAON0H8082018 Trial Report, DACO: 10.2.3.3

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