

Evaluation Report for Category B, Subcategory B 3.10, 3.11 Application (New or Changes to Product Label – Tank mixes, New pests)

Application Number: 2018-6690
Application: Category B, Subcategory B 3.10, 3.11
Product: Select Emulsifiable Concentrate Postemergence Herbicide
Registration Number: 22625
Active ingredients (a.i.): 240 g/L clethodim
PMRA Document Number: **2994182**

Background

Select Emulsifiable Concentrate Postemergence Herbicide is registered for selective post-emergent control or suppression of annual grassy weeds in an array of crops in the Prairie Provinces and Peace River Region of British Columbia and Eastern Canada. 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 Select Emulsifiable Concentrate Postemergence Herbicide to include claims of control of foxtail barley and Japanese brome. Additional changes to tank mixes are also being made based on registered precedents.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Foxtail barley and Japanese brome are two grassy weeds of increasing significance in the Prairie Provinces. They are difficult to control and have few registered herbicide options.

The applicant provided a Value summary in which the data from small scale field trials conducted in Alberta demonstrated acceptable control of foxtail barley and Japanese brome at the proposed rate of 0.19 L/ha or 0.38 L/ha (depending on growth stage) compared to a registered commercial standard.

The addition of foxtail barley and Japanese brome to the Select Emulsifiable Concentrate Postemergence Herbicide label is acceptable based on the data provided. The addition of pests to the existing tank mix with Liberty 150 SN Herbicide and the addition of the use of Select Emulsifiable Concentrate Postemergence Herbicide in tank mix with glyphosate for use on glyphosate tolerant soybeans are acceptable based on the cited registered precedent products. Combined, these uses have acceptable value in that they provide growers with another herbicide product and additional flexibilities to control these difficult to control weed species.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Select Emulsifiable Concentrate Postemergence Herbicide to include: 1) Select Herbicide at 0.19 L/ha + Amigo Adjuvant for control of foxtail barley and Japanese brome at the 2-6 leaf stage, or 0.38 L/ha for the same weeds from the 2-6 leaf stage with up to three tillers, 2) Select Herbicide + Liberty 150 SN + Amigo Adjuvant for the control of spring germinated downy and Japanese brome, and foxtail barley 3) Select Herbicide + glyphosate + Amigo Adjuvant for use on glyphosate tolerant soybeans.

References

List of Studies/Information Submitted by Registrant

2945818, 2018, Summary of Value for Addition of Japanese Brome, Foxtail Barley and Tankmixes with Glufosinate and Glyphosate to the Select Emulsifiable Concentrate Postemergence Herbicide Label, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.3.1,10.4,10.5.1,10.5.2,10.5.3,10.5.4

2945821, 2017, General Efficacy of New Formulations of ARY-0411, DACO: 10.2.3.3(B)

2945822, 2018, General Efficacy of H1331aa for Grass Weed Control., DACO: 10.2.3.3(B)

2945823, 2017, General Efficacy of New Formulations of ARY-0411., DACO: 10.2.3.3(B)

2945824, 2018, General Efficacy of H1331aa for Grass Weed Control., DACO: 10.2.3.3(B)

2945825, 2018, General Efficacy of H1331aa for Grass Weed Control., DACO: 10.2.3.3(B)

2945827, 2018, General Efficacy of H1331aa for Grass Weed Control., DACO: 10.2.3.3(B)

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