

Evaluation Report for Category B, Subcategory B.3.10 Application (New or Changes to Product Label – Tank Mixes)

Application Number: 2017-1207
Application: Category B, Subcategory B.3.10 (new or changes to product label – tank mixes)
Product: Arrow 240 EC Herbicide
Registration Number: 28224
Active ingredients (a.i.): 240 g/L clethodim
PMRA Document Number : 2767438

Background

Arrow 240 EC Herbicide is a selective post-emergence herbicide for control of a broad range of grasses in an array of crops. Arrow 240 EC Herbicide is registered for application at 0.125 to 0.38 L/ha, based on weed spectrum, in tank mix with X-Act adjuvant at 0.5 or 1.0% v/v. The rate of 1.0% v/v X-Act adjuvant is recommended for application with Arrow 240 EC Herbicide at 0.38 L/ha to control quackgrass. 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 Arrow 240 EC Herbicide to include ADAMA Adjuvant 80 (Reg. No. 30419) at 0.25 and 0.5% v/v as an alternative to X-Act (Reg. No. 28225) adjuvant at 0.5 and 1.0% v/v, respectively.

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

Value information included data from replicated field trials and a scientific rationale that demonstrated that ADAMA Adjuvant 80 at 0.25 and 0.5% was interchangeable with X-Act adjuvant at 0.5 and 1.0% v/v, respectively, when applied with Arrow 240 EC Herbicide alone or in the labelled tank mixtures.

The inclusion of ADAMA Adjuvant 80 as an alternative to X-Act adjuvant will provide users additional flexibility with adjuvant choice for Arrow 240 EC Herbicide.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the use pattern of Arrow 240 EC Herbicide to include ADAMA Adjuvant 80 at 0.25 and 0.5% v/v as an alternative to X-Act adjuvant at 0.5 and 1.0% v/v, respectively.

References

PMRA #	References
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2738328	2016, Trial 1, Arrow and Liberty, Canola, Minto, MB, 2016, Adama, DACO: 10.2.3.3(B) and 10.3.2(A).
2738330	2015, Arrow + Liberty, Invigor Canola, Sask, 2015, Adama, DACO: 10.2.3.3(B) and 10.3.2(A).
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2738336	2015, Arrow + Badge, Minto, Bethune Flax, MB, 2015, Adama, DACO: 10.2.3.3(B) and 10.3.2(A).
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2738343	2015, Arrow + WeatherMax, RR Soybeans, Thorndale, ON, 2015, Adama, DACO: 10.2.3.3(B) and 10.3.2(A).
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