

Evaluation Report for Category B, Subcategory 3.2, 3.10, 3.11 Application

Application Number: 2010-2691
Application: B.3.2 (Product labels – application timing)
B.3.10 (Product labels – tank mixes)
B.3.11 (Product labels – new pests)
Product: Florasulam Suspension Concentrate Herbicide
Registration Number: 26891
Active ingredients (a.i.): Florasulam (FRA)
PMRA Document Number: 1992416

Purpose of Application

The purpose of this application was to amend the registration of Florasulam Suspension Concentrate Herbicide (Registration Number 26891) to include new pest claims, new tank mixes, and new application timing.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required on this application.

The request fits within the registered use pattern for Florasulam Suspension Concentrate Herbicide. No increase in occupational exposure over the registered use is expected with the addition of pests, new tank-mix partners and new pre-emergence application timing. No unacceptable risk is expected when workers follow label directions and wear personal protective equipment as recommended on the label.

The additional tank mix partners are currently registered with the same use patterns as those proposed. Florasulam tank mixed with glyphosate is currently registered for pre-emergence use on wheat, barley and oats. The proposed pre-emergence use on the same crops is not expected to impact the magnitude of residues. As such, the use of florasulam with the proposed tankmix partners, and the preemergence use of florasulam tankmixed with glyphosate will not result in increase in dietary exposure to these actives.

Environmental Assessment

It is not expected that the new uses of Florasulam Suspension Concentrate Herbicide would result in any additional environmental risk given that the application rate is the same as for currently registered uses of this product. In addition, the tank mix partners are already registered for these uses.

Value Assessment

Efficacy of a post-emergence application of Florasulam Suspension Concentrate Herbicide alone or in tank mix with 2,4-D Ester, bromoxynil herbicide, Curtail M Herbicide, or MCPA Ester was visually assessed in 19 field trials for cow cockle and narrow-leaved hawk's beard. It was demonstrated that the application of Florasulam Suspension Concentrate Herbicide alone or in tank mixes provided acceptable level of cow cockle control. Additionally, the application window for cow cockle control was expanded to the 8-leaf stage with the tank mix of Florasulam Suspension Concentrate Herbicide + bromoxynil herbicides. It was demonstrated that the application of Florasulam Suspension Concentrate Herbicide alone or in tank mixes provided acceptable level of narrow-leaved hawk's beard suppression. Additionally, narrow-leaved hawk's beard control was achieved when Florasulam Suspension Concentrate Herbicide was applied in tank mix with either Curtail M Herbicide or 2,4-D Ester.

For broader weed spectrum control, one 2-way tank mixture and seven 3-way tank mixtures were assessed and supported. Additionally, control of barnyard grass was assessed and supported for the 2-way tank mixture of Florasulam Suspension Concentrate Herbicide + Axial 100 EC.

Injury to spring wheat, durum wheat, spring barley, and oats with a pre-emergence application of Florasulam Suspension Concentrate Herbicide plus glyphosate herbicide present as either isopropylamine salt or dimethylamine salt was slight or not detectable in all 6 crop tolerance trials. Plant stand of spring wheat, durum wheat, spring barley, and oats was assessed in one trial and reduction in plant stand compared to an untreated control was not observed for any herbicide treatments.

Conclusion

The PMRA has assessed all available information and is able to support the new pests, tank mixes and application timing of Florasulam Suspension Concentrate Herbicide.

References

- PMRA # 1917092: Trial reports. DACO 10.2.3.3. Dow AgroSciences. pp 70.
PMRA # 1917093: Trial reports. DACO 10.2.3.3. Dow AgroSciences. pp 46.
PMRA # 1956095: Trial reports. DACO 10.3.1. Dow AgroSciences. pp 52.

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