

Prowl H₂O Herbicide

Evaluation Report for Category C, Subcategory C.3.10 Application

Application Number: 2011-1144
Application: Category C Streamlined
Product: Prowl H₂O Herbicide
Registration Number: 29542
Active ingredients (a.i.): pendimethalin [PEN]
PMRA Document Number English PDF: 2072197

Background

Prowl H₂O Herbicide (Reg. No. 29542) is registered for pre-emergence or post emergence use on field corn for the control of barnyard grass, crabgrass (large and smooth), fall panicum, green foxtail, lamb's-quarters, and suppression of redroot pigweed.

Purpose of Application

The purpose of this application was to amend the Prowl H₂O Herbicide registration to include:

1. a post emergence application of Prowl at a reduced rate (1001 g a.i./ha) in tank mix with glyphosate in glyphosate tolerant corn for the control of barnyard grass, crabgrass (large and smooth), green foxtail, lamb's-quarters, and redroot pigweed in addition to weeds labelled for control with 900 g a.e./ha glyphosate.
2. a post emergence application of Prowl at a reduced rate (1001 g a.i./ha) in tank mix with glyphosate and Marksman Herbicide in glyphosate tolerant corn for control of velvetleaf and common ragweed and those weeds listed above.

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 use pattern, including host crops, rates and timings remain unchanged.

Value Assessment

The efficacy data provided demonstrate that consistent control of barnyard grass, green foxtail, crabgrass, lamb's-quarters and redroot pigweed can be expected when 1001 g a.i./ha Prowl H₂O is applied in tank mix with 900 g a.i./ha glyphosate. In addition to these weeds, control of velvetleaf and common ragweed can be expected with the post emergence application of 1001 g a.i./ha Prowl H₂O plus 900 g a.e./ha glyphosate plus 982.5 g a.e./ha Marksman Herbicide.

Conclusion

Based on the information provided, following a post emergence application of Prowl H₂O plus glyphosate to glyphosate tolerant corn, control claims for barnyard grass, green foxtail, crabgrass (large and smooth), lamb's-quarters, redroot pigweed and those weeds labelled for control with 900 g a.e./ha glyphosate are supported. In addition, a claim of control for velvetleaf and common ragweed are supported following an application of Prowl H₂O plus glyphosate plus Marksman Herbicide.

References

PMRA

Document

Number

References

2024948	2011, Application to Register PROWL H20 Herbicide and glyphosate applied Post emergence on Corn, DACO 10.1,10.2,10.2.1, 10.2.2,10.2.3, 10.2.3.1, 10.2.3.3(B) ,10.3,10.3.1,10.3.2,10.5, 10.5.2,10.5.3
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