

Authority Supreme Herbicide Evaluation Report for Category B Streamlined, Subcategory 3.10, 3.11 Application

Application Number: 2019-1169
Application: Category B, Subcategory 3.10, 3.11 Application (new or changes to product labels – tank mixes, new pests)
Product: Authority Supreme Herbicide
Registration Number: Reg. No. 32562
Active ingredient (a.i.): Sulfentrazone (SFZ) and Pyroxasulfone (PYS)
PMRA Document Number : 3013406

Background

Authority Supreme Herbicide, containing 250 g/L pyroxasulfone (Group 15) and 250 g/L sulfentrazone (Group 14), is registered for pre-plant or pre-emergence surface soil application to field peas, chickpeas and soybean for control of annual grasses and annual broadleaf weeds. 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 Authority Supreme Herbicide to include control claims for six weeds species: smooth crabgrass, common groundsel, Eastern black nightshade, Powell pigweed, common purslane and yellow woodsorrel.

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, application rates and timings of the component products remain unchanged.

Value Assessment

A scientific rationale was provided and precedent product registrations were considered to support the addition of six weed species. Based on the weight of evidence, smooth crabgrass, common groundsel, Eastern black nightshade, Powell pigweed, common purslane and yellow woodsorrel would be expected to be controlled with an application of Authority Supreme Herbicide when applied in accordance with label directions. Broadening the target weed spectrum for Authority Supreme Herbicide will allow growers flexibility in weed control options.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Authority Supreme Herbicide to include the requested efficacy claims.

References

PMRA Doc Number	Reference
2974138	2019, Authority Supreme Herbicide (PCP No. 32562): Value Summary - Addition of Weeds, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.3,10.4,10.5.1,10.5.2,10.5.3,10.5.4,10.5.5

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