

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2021-3067
Application: Changes to Product Labels-New Site or Host
Product: Edge MicroActiv Herbicide
Registration Number: 32904
Active ingredient (a.i.): Ethalfluralin
PMRA Document Number : 3383708

Purpose of Application

The purpose of this application was to amend the label of Edge MicroActiv Herbicide to remove the “white or kidney” restriction for dry common beans, thus allowing use on more bean varieties.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The use of Edge MicroActiv Herbicide on dry common beans is not expected to result in potential occupational or bystander exposure over the registered use of ethalfluralin. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for ethalfluralin were submitted to support the revision of dry common beans (white or kidney) to dry common beans (*Phaseolus* spp.) on the label of Edge MicroActiv Herbicide. Previously reviewed residue data from field trials conducted in/on dry beans were re-assessed in the framework of this application and were deemed acceptable. Maximum residue limits of 0.05 ppm are recommended in/on the following dry bean (*Phaseolus* spp.) commodities: dry black beans, dry cranberry beans, dry beans, dry field beans, dry French beans, dry garden beans, dry Great Northern beans, dry green beans, dry lima beans, dry pink beans, dry pinto beans, dry red beans, dry scarlet runner beans, dry tepary beans, and dry yellow beans. Maximum residue limits of 0.05 ppm are already established for ethalfluralin in dry kidney beans and dry navy beans. No health risks of concern were identified for acute, chronic and cancer dietary exposure (food and drinking water) to any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

No additional risk to the environment is expected from the use of Edge

Granular Herbicide when label directions are followed.

Value Assessment

The amendment to the registration of Edge MicroActiv Herbicide to remove the restriction to white and kidney bean for dry common beans provides users more flexibility to employ this product for residual control of volunteer cereals, annual grasses, and broadleaf weeds in various market varieties of dry common beans.

Value information submitted for review consisted of a scientific rationale, use history information, and data from replicated field trials. This information collectively demonstrated that dry common bean varieties may exhibit adequate margins of tolerance to Edge MicroActiv Herbicide applied as a pre-plant treatment as per the label instructions. With including the general precautionary statement, the removal of the restriction to white and kidney bean for dry bean is supported from a value standpoint.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the amendment to the label of Edge MicroActiv Herbicide to remove the “white or kidney” restriction for dry common beans.

References

PMRA

Document

Number	Reference
3247225	2021, Edge MicroActiv value summary - Dry common bean, DACO: 10.1, 10.2.3.1
3247226	2019, Evaluate the application timing of Permit in dry beans (Taber, AB), DACO: 10.2.3.3(B)
3247227	2017, 17W35 GWN-17-010 (Dry Beans) final report (Elm Creek, MB), DACO: 10.2.3.3(B)
3247228	2017, (Dry beans) final report (Taber, AB), DACO: 10.2.3.3(B).
3247230	2019, Gowan Canada Dry bean Edge label expansion, DACO: 10.2.3.3(B)
3256333	2019, GWN-17-010 (Dry Beans) final report (Portage La Prairie, MB), DACO: 10.2.3.3(B)

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