

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2022-4278
Application: Changes to Product Labels – New Site or Host
Product: Flumioxazin EZ Herbicide
Registration Number: 33524
Active ingredient (a.i.): Flumioxazin
PMRA Document Number : 3491566

Purpose of Application

The purpose of this application was to amend the label of Flumioxazin EZ Herbicide to add the use on succulent shelled and edible-podded peas (*Pisum spp.* and pigeon pea) and dry bulb shallots, as well as modifying soil restrictions on the label to add celery grown in muck soil, lowbush blueberries grown in fine-textured soil, and established alfalfa grown for forage/hay in fine-textured soil.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

Chemical handler risk assessments on file were found to be adequate to cover the use of Flumioxazin EZ Herbicide on succulent shelled and edible-podded peas and dry bulb shallots. A postapplication worker exposure risk assessment was conducted and acceptable margins of exposure (MOEs) were achieved provided that label directions are followed, including a 9-day restricted-entry interval (REI) for hand weeding in dry bulb shallots and dry bulb onions. No health risks of concern were identified for workers or bystanders provided that appropriate personal protective equipment are worn and all label directions are followed.

No new residue data for flumioxazin in edible-podded peas, succulent shelled peas, celery, lowbush blueberries, alfalfa, nor dry bulb shallots were submitted or required to support the use expansions of flumioxazin on the Flumioxazin EZ Herbicide label. Previously reviewed residue data from field trials conducted in/on edible-podded peas, succulent shelled peas, celery, blueberries, alfalfa (forage and hay) and dry bulb onions were reassessed in the framework of this application.

Maximum Residue Limits

The recommendation for proposed maximum residue limits (MRLs) for flumioxazin was based upon the field trial data on file, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of flumioxazin in/on edible-podded green peas and edible-podded snap peas are

proposed as shown in Table 1.

TABLE 1. Summary of Field Trial Data Used to Support Maximum Residue Limits (MRLs)						
Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Currently Established MRL (ppm)	Proposed MRL (ppm)
			LAFT	HAFT		
Edible-podded peas	Pre-emergence/ 68.4-74.9	48-58	<0.02	<0.02	None.	0.02 (edible-podded green peas, edible-podded snap peas)

ppm = parts per million; LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Residues of flumioxazin on succulent shelled peas, celery, lowbush blueberries, shallot bulbs, livestock matrices, and the remaining edible-podded peas are covered by currently established MRLs or by MRLs that are currently in the process of promulgation.

Following the review of all available data, the MRLs proposed in Table 1 are recommended to cover residues of flumioxazin. Dietary risks from exposure to residues of flumioxazin in these crop and livestock commodities at the proposed and established MRLs were shown to be acceptable for the general population and all subpopulations, including infants, children, adults and seniors. Thus, the foods that contain residues as listed in Table 1 are considered safe to eat.

Environmental Assessment

The amendments on the Flumioxazin EZ Herbicide label are within the currently registered use pattern of flumioxazin. Therefore, no additional risk is expected when Flumioxazin EZ Herbicide is used in accordance with the label, which includes statements to mitigate risks to the environment.

Value Assessment

The addition of succulent shelled and edible-podded peas (*Pisum* spp. and pigeon pea) and dry bulb shallot to the Flumioxazin EZ Herbicide label provides growers with more flexibility to grow desired crops and to control/suppress labelled weeds. The addition of an application of Flumioxazin EZ Herbicide to celery grown in muck soil provides growers with more flexibility to grow celery in different soil mediums. Additionally, the harmonization of weeds controlled and the removal of the fine-textured soil restriction for lowbush blueberry and established alfalfa (grown for forage/hay) allows growers more flexibility for weed control in these crops.

The applicant submitted a scientific rationale and cited precedent products in support of the amendments. Based on all available information, the addition of succulent shelled and edible-podded peas (*Pisum* spp. and pigeon pea), the addition of dry bulb shallot, the addition of an

application to celery grown in muck soil and the removal of the fine-textured soil restriction and harmonization for all weed claims for lowbush blueberry and established alfalfa (grown for forage/hay) is supported for inclusion on the Flumioxazin EZ Herbicide product label.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendment of the Flumioxazin EZ Herbicide product label.

References

PMRA

Document

Number	Reference
3082070	2019, Summary of Value for Flumioxazin EZ Herbicide - Addition of New Crops, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(B),10.3.1,10.3.2(A), 10.3.3,10.5.1,10.5.2,10.5.3,10.5.4
3384265	2022, Summary of Value for Flumioxazin EZ Herbicide Addition of New Crops and Amendment to Registered Crops, DACO: 10.1,10.2.1,10.2.2, 10.2.3.1,10.2.3.2,10.3.1,10.3.2(A),10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4

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