

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2022-1104
Application: Changes to Product Labels-New Site or Host
Product: AVADEX MicroActiv Herbicide
Registration Number: 25112
Active ingredient (a.i.): Triallate
PMRA Document Number 3482403

Purpose of Application

The purpose of this application was to amend the label of AVADEX MicroActiv Herbicide to include use on chickpeas and lentils for the control of wild oats.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

Use of AVADEX MicroActiv Herbicide on chickpeas and lentils is not expected to result in occupational or bystander exposures greater than the registered uses of triallate. With revised precautions, no risks of concern were identified for the use of closed-cab ground equipment. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Residue data from field trials conducted in Canada were submitted to support the use of AVADEX MicroActiv Herbicide on chickpeas and lentils. Triallate was applied to dry field peas at the approved rate and harvested according to label directions. Therefore, the residue data for triallate in dry field peas were considered adequate to establish the maximum residue limit on dry field peas, dry chickpeas, and dry lentils.

Maximum Residue Limit

The recommendation for the proposed maximum residue limit (MRL) for triallate was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of triallate and trichloroallyl sulfonic acid (TCPSA) in/on dry field peas, chickpeas and lentils is proposed as shown in Table 1.

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit (MRL)
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Commodity	Application Method/ Total Application Rate (kg a.i./ha)	PHI (days)	Combined Triallate + TCPSA Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Proposed MRL (ppm)
			LAFT	HAFT			
Dry Field Pea (seed)	2.14 – 2.31	100 – 118	<0.07	<0.07	n/a	n/a	0.2 (dry field peas, dry chickpeas, dry lentils)

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

Following the review of all available data, the MRL proposed in Table 1 is recommended to cover total residues of triallate. Dietary risks from exposure to total residues of triallate in dry field peas, chickpeas and lentils at the proposed MRL were shown to be acceptable for the general population and all subpopulations, including infants, children, adults and seniors. Therefore, the foods that contain residues as listed in Table 1 are considered safe to eat.

Environmental Assessment

The uses on the AVADEX MicroActiv Herbicide label are within the currently registered use pattern of the active ingredient triallate. No additional risk is expected when AVADEX MicroActiv Herbicide is used in accordance with the amended label, which includes statements to mitigate risks to the environment.

Value Assessment

The expansion of the use pattern of AVADEX MicroActiv Herbicide to include chickpeas and lentils as host crops would provide users another herbicide option from Group 8 to control wild oats in these crops.

Value information submitted for review included scientific rationales, precedent registrations, use history information, scientific publications, and crop tolerance information from magnitude of residue trials. The information collectively demonstrated that chickpeas, and lentils as host crops could exhibit adequate margins of tolerance to AVADEX MicroActiv Herbicide when applied in accordance with the label instructions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the addition of chickpeas and lentils to the label of AVADEX MicroActiv Herbicide.

References

**PMRA
Document**

Number	Reference
3330419	2022, Triallate: Magnitude of the Residue on Dry Bean, DACO: 7.4.1
3330420	2020, Magnitude of the Residue of Triallate and its Metabolite, TCPSA, in or on Dry Peas Raw Agricultural Commodities as a Representative Crop of Legume Vegetables Subgroup 6C (CSG6C) Following One Pre-plant Incorporated Application of Avadex MicroActiv Herbicide and Avadex Liquid EC Herbicide (Canada, 2019), DACO: 7.4.1
2679675	2016, Value submission - Avadex MicroActiv (Triallate) label expansion, DACO: 10.3.2(A).

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