

Evaluation report for Category B, Subcategory 3.12 application

Application number: 2020-3018
Application: New or Changes to Product Labels - New Site or Host
Product: COMMAND 360 ME
Registration number: 27827
Active ingredient (a.i.): Clomazone
PMRA document number: 3265781

Purpose of application

The purpose of this application was to amend the registration of COMMAND 360 ME to add mustard and camelina as new host crops, for use as a single preplant soil application prior to planting.

Chemistry assessment

A chemistry assessment was not required for this application.

Health assessments

A toxicology assessment was not required for this application.

The use of COMMAND 360 ME on mustard (oilseed and condiment) [brown, Oriental, yellow], Ethiopian mustard (*Brassica carinata*), and camelina to control cleavers represents an expansion of the use pattern for clomazone. No health risks of concern were identified provided that workers wear the appropriate personal protective equipment and follow all label directions.

No new residue data for clomazone were submitted to support the use expansion of this active on the COMMAND 360 ME label. Previously reviewed residue data from field trials conducted in/on canola were reassessed in the framework of this application. In addition, residue data from studies conducted at exaggerated rates in treated canola were reassessed to determine the potential for concentration of residues of clomazone into processed commodities.

Maximum residue limits

The recommendation for maximum residue limits (MRLs) for clomazone was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of clomazone in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

Table 1 Summary of field trial and processing data used to support maximum residue limits (MRLs)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Canola seed	Preemergent soil application/ 404-436	90-122	<0.02	<0.02	No quantifiable residues observed when treated at exaggerated rates	None	0.05 Gold of pleasure seeds, mustard seeds (condiment type), mustard seeds (oilseed type)
	Preemergent soil application/ 2110	122	<0.02	<0.02			

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of clomazone. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental assessment

The addition to the COMMAND 360 ME label is not expected to increase risk to the environment. The existing environmental mitigation statements on the COMMAND 360 ME label are sufficient to address the addition of use.

Value assessment

Canada is the third largest exporter of condiment mustard seed in the world and weed management in mustard crops is critical. Group 13 herbicides are an underutilized mode of action in the Prairie provinces and the registration of COMMAND 360 ME will help with the management of herbicide-resistant cleavers in oilseed and condiment type mustard and camelina.

Value information submitted for review consisted of scientific rationales and data from field trials. The provided information demonstrated that oilseed and condiment type mustard [brown, Oriental, yellow, Ethiopian (carinata)] and camelina are tolerant to a pre-emergent application of COMMAND 360 ME. Through extrapolation, mustard and camelina will also be tolerant as immediate plantback crops following a crop failure.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the addition of mustard (oilseed and condiment types) and camelina as new host crops to the label of COMMAND 360 ME.

References

PMRA Document Number	Reference
3137060	2020, COMMAND 360 ME Herbicide (PCP No. 27827): Value Summary Tame Mustard, DACO: 10.1, 10.2.2, 10.2.3.1, 10.3.2, 10.3.2(A), 10.4, 10.5.1
3137062	2018, Tolerance of Brassica juncea, Sinapis alba, Brassica carinata and Camelina sativa to Clomazone, DACO: 10.3.2(A)
3137063	2019, Tolerance of Brassica juncea, Sinapis alba, Brassica carinata and Camelina sativa to Clomazone, DACO: 10.3.2(A)

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