

Evaluation Report for Category B, Subcategory 3.1, 3.5, 3.12 Application

Application Number: 2018-1635
Application: B.3.1: Application Rate
B.3.5: Rotational Crops/Plantback Interval
B.3.12: Site or Host
Product: Lontrel XC Herbicide
Registration Number: 32795
Active ingredients (a.i.): Clopyralid
PMRA Document Number: 2998980

Purpose of Application

The purpose of this application was to amend the registration of Lontrel XC to include (1) glyphosate tolerant corn (from the spike to 8-leaf stage) and winter wheat (from the 3-leaf to flag leaf emergence stage) as host crops with the application rates of 0.25 and 0.17 L/ha, respectively, and (2) soybeans, field peas, and sugar beets as rotational crops that can be safely planted in the following year.

The label is also to include a statement that reads, “If severe drought conditions are experienced during the months of June to August inclusive in the year of application, delay seeding soybeans and field peas an additional 12 months (total 22 months following application)”.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessments

The occupational exposure and health risks from the addition of the winter wheat and glyphosate-tolerant field corn on the Lontrel XC Herbicide label were assessed. The use on winter wheat is within the registered use pattern for clopyralid. For the requested use on field corn, an updated health risk assessment for clopyralid was conducted for chemical handlers and re-entry workers. No health risks of concern for workers and bystanders are expected from the new uses on winter wheat and field corn provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for clopyralid in/on corn or wheat were submitted to support the amendments to the registered Lontrel XC Herbicide label. Previously reviewed residue data in/on field corn and wheat, as well as rotational crop data, were re-assessed and were found adequate to support the label amendments.

The residues of clopyralid in/on treated crops or rotational crops are not expected to increase given that the method and timing of application are identical to the registered uses, and the application rates are within the approved range. As such, residues of clopyralid in/on treated field corn and winter wheat will be covered under the maximum residue limits (MRLs) established for clopyralid (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/index-eng.php>). Consequently, the dietary exposure to residues of clopyralid is not expected to increase and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The addition of corn and winter wheat to the Lontrel XC Herbicide label fits within the registered use pattern for this active ingredient. Therefore, the risk to non-target organisms is acceptable, and the existing label statements are sufficient for risk mitigation.

Value Assessment

Expansion of the registration of the Lontrel XC Herbicide label will provide growers with another tool to control broadleaf weeds in field corn and winter wheat as well as greater flexibility to arrange sequential crops.

Value information in the form of use history information and the precedent registrations was submitted for review. This information demonstrated that (1) corn and winter wheat can be expected to have adequate margins of crop tolerance to Lontrel XC Herbicide applied as per the label instructions and (2) soybeans, field peas, and sugar beets can be safely planted in the year following an application of Lontrel XC Herbicide.

Conclusion

The PMRA has reviewed the information provided in support of adding (1) glyphosate tolerant corn and winter wheat as host crops (2) soybeans, field peas, and sugar beets as rotational crops and (3) the drought conditions label statement. Based on the result of this review, these amendments are acceptable.

References

PMRA # 2875503 2018, Use history: Addition of new crop, corn, and crop rotation, soybeans, to Lontrel XC and Eclipse XC A, DACO: 10.2.4.

2115788	5.6	Agricultural Reentry Task Force (ARTF). 2008. Data Submitted by the ARTF to Support Revision of Agricultural Transfer Coefficients. Submission #2006-0257. Pro2014-02.
1913109	5.3	AHETF, 2009. Agricultural Handler Exposure Scenario Monograph: Open Cab Groundboom Application of Liquid Sprays. Report Number AHE1004. December 23, 2009.
2572745	5.3	AHETF, 2015. Agricultural Handler Exposure Scenario Monograph: Open Pour Mixing and Loading of Liquid Formulations. Report Number AHE1003-1. March 31, 2015.

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