

## Evaluation Report for Category B, Subcategory 3.1, 3.5, 3.10, 3.12 Application

**Application Number:** 2018-1636  
**Application:** B.3.1: Application Rates  
B.3.5: Rotational Crops/Plantback Interval  
B.3.10: Tank Mixes  
B.3.12: Site or Host  
**Product:** Eclipse XC A Herbicide  
**Registration Number:** 32883  
**Active ingredients (a.i.):** Clopyralid  
**PMRA Document Number:** 2998983

### Purpose of Application

The purpose of this application was to (1) to include glyphosate tolerant corn as a host crop when corn is at the spike to 8-leaf stage, (2) to include 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 read as “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 amendment on the registered labels for the tank-mix of Eclipse XC A Herbicide to include glyphosate tolerant corn fits within the registered use pattern for clopyralid and the current exposures to clopyralid are not expected to exceed compared to the registered products of this active ingredient. No health risks of concern are expected from the requested tank-mix use on glyphosate-tolerant 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 were submitted to support the amendments to the registered Eclipse XC A Herbicide label. Previously reviewed residue data in/on field corn, 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 will be covered under the maximum residue limit (MRL) of 1 ppm currently established for field corn (<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 use pattern for Eclipse XC A Herbicide fits within the registered use pattern for clopyralid. Therefore, the risk to non-target organisms in the environment from the application of Eclipse XC A to corn is acceptable. Existing label statements and additional label amendments are sufficient for risk mitigation.

### **Value Assessment**

Expansion of the registration of the Eclipse XC A Herbicide label will provide growers with another tool to control both grasses and broadleaf weeds in glyphosate tolerant corn as well as greater flexibility to arrange sequential crops.

Value information in the form of use history information and precedent registrations was submitted for review. This information demonstrated that (1) glyphosate tolerant corn at the spike to 8-leaf stage can be expected to have an adequate margin of crop tolerance to Eclipse XC A at 0.17/ha applied in tank mix with Eclipse XC B (Reg. No. 32852, active ingredient glyphosate) at 0.94 L/ha and (2) soybeans, field peas, and sugar beets can be safely planted in the following year as per label instructions.

### **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” statement. Based on the result of this review, these amendments are acceptable.

## References

PMRA # 2875502 2018, Use history: Addition of new crop, corn, and crop rotation, soybeans, to Lontrel XC and Eclipse XC A, DACO: 10.2.4.

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