

## Evaluation Report for Category B, Subcategory B.3.12 Application

**Application Number:** 2015-2752  
**Application:** Changes to Product Label - New Site or Host  
**Product:** Draft  
**Registration Number:** 31904  
**Active ingredients (a.i.):** Tribenuron-methyl and Thifensulfuron-methyl  
**PMRA Document Number:** 2652394

### Purpose of Application

The purpose of the current application was to add the new crop sulfonylurea-tolerant canola (SU Canola) to the registered product label of Draft for postemergence application to control or suppress certain broadleaf weeds.

### Health Assessment

No new toxicological data were required or reviewed.

The use of Draft on canola should not result in potential occupational or bystander exposure beyond that of the registered uses of thifensulfuron-methyl or tribenuron-methyl. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data were submitted in support of the addition of sulfonylurea-tolerant canola (SU Canola) to the Draft label. Previously reviewed data in/on canola were reassessed in the framework of the current application. Residues of thifensulfuron-methyl and tribenuron-methyl in/on canola from the use of Draft are not expected to exceed the established maximum residue limits (MRLs), and thus will not pose an unacceptable risk to any segment of the population, including infants, children, youth, adults, seniors and females.

### Value Assessment

The active ingredients contained in Draft belong to the sulfonylurea chemical class of herbicides and would normally be expected to damage or kill canola. Sulfonylurea-tolerant canola, i.e., varieties containing the “SU Canola Trait”, is a new crop, which is expected to serve as an alternative to canola developed to be tolerant of other active ingredients, including imazethapyr and imazamox, glyphosate and glufosinate-ammonium. The postemergence use of Draft in sulfonylurea-tolerant canola can be expected to help mitigate the development of resistance of broadleaved weeds to other herbicides, including those applied postemergence in crops that are tolerant of other herbicides except those that belong to the sulfonylurea class or the related imidazolinone class.

Small-scale field trials were conducted in the northern U.S. and in the Canadian Prairie provinces in which the tolerance of SU Canola to Draft applied at the labelled crop stage could be confirmed. Crop injury was assessed as both percent phytotoxicity and grain yield. The degree of tolerance of canola lines to Draft was associated with the number of copies of the particular mutation that reduces canola sensitivity to this herbicide, e.g. the tested canola line with the “SU Canola Trait”, which includes four copies of the mutation, exhibited greater overall tolerance to Draft at the labelled rate or 2x rate than the canola line with two copies of the mutation. Phytotoxicity was typically observed as a discoloration or purpling of immature leaves shortly after application, but had generally disappeared by 5 to 6 weeks after application, even at the 2x rate. The yield of the canola line with four copies of the mutation was generally greater than that of the one with two copies.

### **Chemistry and Environmental Assessments**

Chemistry and environmental assessments were not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to include the use on SU Canola for postemergence application to control or suppress labelled weeds.

## References

PMRA Number	Document	Reference
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2546872		2015, Crop safety: SU Canola Treated with Volta Extra, DACO: 10.3.1,10.3.2,7.4.1
2546873		2015, Benefits Section, DACO: 10.1,10.2.1,10.2.2
2546874		2015, Herbicide Small-Scale Field Trials, DACO: 10.2.3.1,10.2.3.3(B)

ISSN: 1911-8082

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