

## Evaluation Report for Category B, Subcategory 2.3, 2.4, 2.5, 3.2, 3.5, 3.11 and 3.12 Application

**Application Number:** 2015-5722  
**Application:** B.2.3: New Identity of Forulants  
B.2.4: New Proportion of Formulants  
B.2.5: New Formulation Type  
B.3.2: New Application Timing  
B.3.5: New Rotational Crops/Plants Interval  
B.3.11: New Pests  
B.3.12 New Site or Host  
**Product:** DuPont Sortan IS Herbicide  
**Registration Number:** 32627  
**Active ingredients (a.i.):** Rimsulfuron  
**PMRA Document Number:** 2737379

### Purpose of Application

The purpose of this application was to register the end use product DuPont Sortan IS Herbicide for post-emergent use on field corn across Canada.

### Chemistry Assessment

DuPont Sortan IS Herbicide is formulated as a wettable granule containing rimsulfuron at a nominal concentration of 20 %. This end-use product has a density of 0.55 – 0.75 g/cm<sup>3</sup> and pH of 6 - 8. The required chemistry data for DuPont Sortan IS Herbicide have been provided, reviewed and found to be acceptable.

### Health Assessments

DuPont Sortan IS Herbicide is of low toxicity to rats via the oral, dermal, and inhalation routes. It is minimally irritating to the eye and non-irritating to the skin of rabbits. It is not a dermal sensitizer in mice.

The use of DuPont Sortan IS Herbicide to control annual grasses and broadleaf weeds in postemergent conventional and glyphosate-tolerant field corn varieties in Eastern and Western Canada is not expected to result in potential occupational or bystander exposure over the registered uses of the herbicide active ingredient rimsulfuron. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Residues of the herbicide active ingredient in/on treated commodities are not expected to increase and will be covered under the maximum residue limits (MRLs) currently established. Consequently, the dietary exposure to residues of rimsulfuron is not expected to increase with the registration of DuPont Sortan IS Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The use of DuPont Sortan IS Herbicide is not expected to increase environmental exposure, and risk, when compared to similar products. Environmental concerns are adequately mitigated by existing label statements.

### **Value Assessment**

DuPont Sortan IS Herbicide will provide corn growers across Canada with an option for controlling labelled grass and broadleaf weeds and flexibility in application timing despite hybrid sensitivity.

Data from three field trials conducted in 2014 in Ontario, Manitoba and Saskatchewan, in conjunction with existing weed control claims on other registered herbicide end-use products in Canada, demonstrated that adequate control of all labelled weeds would be expected.

Data from a series of field trials conducted in 2014 and 2015 in Ontario, Manitoba, Saskatchewan and Alberta demonstrated that adequate tolerance of field corn to DuPont Sortan IS Herbicide would be expected when it is used in accordance with the label.

Rotational cropping data from nine field trials conducted between 1999 and 2015 in Manitoba, Saskatchewan and Alberta, in conjunction with existing rotational cropping claims on precedent product labels, demonstrated that acceptable rotational crop tolerance would be expected for spring wheat (including durum), oats, barley, canola, soybeans, dry beans, chickpeas, potatoes, sunflowers, field corn and field peas when planted 10 months after DuPont Sortan IS Herbicide application.

### **Conclusion**

PMRA has conducted a critical review of the information provided in support of DuPont Sortan IS Herbicide. Based on the results of this review, DuPont Sortan IS Herbicide is acceptable for full registration.

## References

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