

## Evaluation Report for Category B, Subcategories 3.1, 3.5, 3.10, 3.11, 3.13 Application

**Application Number:** 2022-1813  
**Application:** Changes to Product Labels – Application Rate Increase; Rotational Crops/Plantback Interval; Tank Mixes; New Pests; Precautions  
**Product:** SZ-75 Herbicide  
**Registration Number:** 33832  
**Active ingredient (a.i.):** Sulfentrazone  
**PMRA Document Number :** 3476154

### Purpose of Application

The purpose of this application was to amend the label of the commercial class end-use product, SZ-75 Herbicide, to increase the maximum application rate to 187 g/ha for pre-plant or pre-emergence use in chickpeas, field peas, and soybeans to control a broader spectrum of weeds, increase the rate of labelled tank mixtures, add several new tank mix partners, update the rotational crops restrictions, update the personal protective equipment statements, and update the net contents.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A chemical handler risk assessment was conducted, and calculated margins of exposure (MOEs) surpassed the target MOE. A post-application worker exposure assessment was not required due to the timing of application. No health risks of concern were identified for workers or bystanders, provided that appropriate personal protective equipment are worn and all label directions are followed.

No new residue data for sulfentrazone were submitted or were required to support the increase in the maximum application rate for pre-plant or pre-emergence use in chickpeas, field peas, and soybeans and the addition of new tank mix partners on the SZ-75 Herbicide label. Previously reviewed residue data from field trials conducted in/on dried shelled peas, chickpeas and soybeans were reassessed in the framework of this application. In addition, processing studies in treated soybeans were also reassessed to determine the potential for concentration of residues of sulfentrazone into processed commodities.

No new residue data for sulfentrazone were submitted or were required to support the revision of the rotational crops. Previously reviewed residue data from field trials conducted in/on rotational crops were reassessed in the framework of this application.

Based on this assessment, residues are not expected to be greater than those

from the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of sulfentrazone 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.

A toxicological assessment was not required for this application.

### **Environmental Assessment**

After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the registered uses of SZ-75 Herbicide are acceptable when used according to the label directions.

### **Value Assessment**

The inclusion of the rate of 187 g/ha and more tank mix options on the SZ-75 Herbicide label provides users more flexibility in applying this product to control a broader spectrum of weeds with soil residual activity.

The value information submitted for review consisted of a precedent registration of a similar product owned by the same registrant and data from replicated field trials, which were conducted in the Canadian Prairies and Ontario in 2020 and 2021. This information collectively demonstrated that the inclusion of the rate of 187 g/ha, more tank mix options, and amendments to rotational crop restrictions have acceptable value.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendments to the SZ-75 Herbicide product label.

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