

## Evaluation Report for Category B, Subcategory 3.5 Application

**Application Number:** 2015-6972  
**Application:** Changes to Product Labels - Rotational Crops/Plantback Interval  
**Product:** Authority 480 Herbicide  
**Registration Number:** 29012  
**Active ingredients (a.i.):** Sulfentrazone  
**PMRA Document Number:** 2718126

### Purpose of Application

The purpose of this application was to amend the product label for Authority 480 Herbicide to add potatoes as a rotational crop, and to reduce the plantback interval (PBI) for winter wheat from 16 to 4 months.

### Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

### Health Assessments

Toxicology and occupational exposure assessments were not required for this application.

No residue data for sulfentrazone were submitted to support the addition of potatoes as a rotational crop, or the change in plantback interval (PBI) for winter wheat from 16 to 4 months, on the Authority 480 Herbicide label. Previously reviewed residue data from field trials conducted in/on potatoes, confined crop rotation, and field rotational trials for winter wheat were reassessed in the framework of this petition.

The changes will not pose an unacceptable risk to any segment of the population, including infants, children, adults, and seniors.

### Value Assessment

The inclusion of potato as a rotational crop and revision of recropping interval for winter wheat provides growers a greater flexibility to employ Authority 480 Herbicide for early season weed control as well as to arrange sequential crops.

Value information demonstrated that potato as a rotational crop that can be seeded any time after herbicide treatment and winter wheat as a rotational crop with a four month recropping interval exhibited an adequate margin of crop tolerance to the treatment of Authority 480 Herbicide.

The value information available included data from a total of 27 field trials, use history information from one source, and sound scientific rationales.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information and has found the information sufficient to support the amendments to the Authority 480 Herbicide product label.

## References

PMRA Document Number	References
2593363	2015, Determine the tolerance of cereal crops to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593364	2015, Determine the tolerance of cereal crops to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593365	2015, Determine the tolerance of cereal crops to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593366	2015, Determine the tolerance of cereal crops to sulfentrazone, Strip trial, DACO: 10.2.3 and 10.3.2.
2593367	2015, Determine the tolerance of spring wheat varieties to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593368	2015, Determine the tolerance of spring wheat varieties to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593369	2015, Determine the tolerance of spring wheat varieties to sulfentrazone, DACO: 10.2.3 and 10.3.2.
2593370	2015, Tolerance of cereals (wheat, durum wheat, 2 row barley, 6 row barley and canary seed) to sulfentrazone applied pre-emergence, DACO: 10.2.3 and 10.3.2.
2593371	2015, Tolerance of cereals (wheat, durum wheat, 2 row barley, 6 row barley and canary seed) to sulfentrazone applied pre-emergence, DACO: 10.2.3 and 10.3.2.
2593372	2015, Authority winter wheat recrop use history, DACO: 10.2.4.

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