



## Evaluation Report for Category B, Subcategory B.3.5 Application

**Application Number:** 2007-7998  
**Application:** B.3.5 Product Labels-Rotational crops\Plantback interval  
**Product:** Impact Herbicide  
**Registration Number:** 28141  
**Active ingredients (a.i.):** Topramezone (MTN)  
**PMRA Document Number:** 1566809

### Purpose of Application

The purpose of this B.3.5 submission (change in rotational crop or plantback interval) is to add wheat as a rotational crop on the Impact Herbicide label with a plant back interval of 4 months. This is to allow users to plant winter wheat in the fall (after the use of Impact Herbicide on corn), and then rotate to spring wheat in the following growing season.

### Chemistry Assessment

A chemistry assessment was not required for this submission.

### Health Assessments

No new residue data were submitted to support the addition of wheat as a rotational crop on the Impact Herbicide label. Field crop rotation data on file supports the addition of wheat as a rotational crop with a plantback interval of 90 days. Moreover, the data indicated no measurable residues of topramezone and the metabolite BAS 670 H05 (<0.05 ppm) in wheat planted as a rotational crop. Therefore, no increase in dietary exposure is anticipated from the addition of wheat as a rotational crop.

### Environmental Assessment

An environmental assessment was not required for this submission.

### Value Assessment

Data from 8 winter wheat trials and 4 spring wheat trials established in 2000 or 2005 in Ontario were submitted for review. Impact Herbicide alone or in combination with Aatrex 480 was applied to field corn as per the label instructions in the year of trial establishment. Winter wheat and spring wheat were planted to the plots treated with Impact Herbicide alone or in combination with Aatrex 480 at 4 and 11 months after treatment respectively. Crop injury to winter wheat and

spring wheat were visually assessed 2 to 3 times during the growing season. Final grain yield was taken in 4 winter wheat trials and 4 spring wheat trials.

Mean crop injury to winter wheat and spring wheat grown in the fields previously treated with either Impact Herbicide alone or in combination with Aatrex 480 was concluded to be acceptable over varieties, locations and years. Data of final grain yield, incorporated with the yield data from original submission (refer to submission 2003-0840 and PMRA # 1266822), further supported rotational crop tolerance claims for winter wheat and spring wheat on the Impact Herbicide label.

An efficacy assessment was not required as there were no changes to the use rate and pest claims.

## **Conclusion**

The PMRA has completed the review of this submission and is able to support the following label claim: Fields treated with Impact Herbicide can be seeded to winter wheat at a minimum four months after application and can be seeded to spring wheat and soybeans the following year.

## **References**

- PMRA # 1498522: Trial report - 1. BASF. October, 2007. DACO 10.3.3. pp. 21.  
PMRA # 1498523: Trial report - 2. BASF. October, 2007. DACO 10.3.3. pp. 8.  
PMRA # 1498524: Trial report - 3. BASF. October, 2007. DACO 10.3.3. pp. 7.  
PMRA # 1498526: Trial report - 4. BASF. October, 2007. DACO 10.3.3. pp. 7.  
PMRA # 1498528: Trial report - 5. BASF. October, 2007. DACO 10.3.3. pp. 11.  
PMRA # 1498529: Trial report - 6. BASF. October, 2007. DACO 10.3.3. pp. 5.  
PMRA # 1498530: Trial report - 7. BASF. October, 2007. DACO 10.3.3. pp. 8.  
PMRA # 1498531: Trial report - 8. BASF. October, 2007. DACO 10.3.3. pp. 14.  
PMRA # 1498532: Trial report - 9. BASF. October, 2007. DACO 10.3.3. pp. 6.  
PMRA # 1498533: Trial report - 10. BASF. October, 2007. DACO 10.3.3. pp. 19.  
PMRA # 1498534: Trial report - 11. BASF. October, 2007. DACO 10.3.3. pp. 14.  
PMRA # 1498536: Trial report - 12. BASF. October, 2007. DACO 10.3.3. pp. 8.  
PMRA # 1266822: Review for DACO 10.3.3. Damage to rotational crops. September 29, 2003. pp. 33

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