

## Evaluation Report for Category B, Subcategory B.3.10 Application (New or Changes to Product Label – Tank Mixes)

**Application Number:** 2016-2554  
**Application:** Category B.3.10 (New or changes to product label – Tank mixes)  
**Product:** DuPont Engarde Herbicide  
**Registration Number:** 31595  
**Active ingredients (a.i.):** 4.31% rimsulfuron and 41.38% mesotrione  
**PMRA Document Number:** 2662990

### Background

DuPont Engarde Herbicide is a wettable granular formulation to be mixed in water and applied pre-emergence or early post-emergence to field corn at up to the 2 leaf stage in Eastern Canada. DuPont Engarde Herbicide has soil residual activity and provides selective control or suppression of annual broadleaf weeds and grasses as well as quackgrass. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application was to amend the registration of DuPont Engarde Herbicide to add 28% urea ammonium nitrate (UAN) as an alternate carrier at a spray volume of 400 L/ha to water that is applied at a recommended spray volume of 140-200 L/ha for pre-emergent application timing.

### Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

### Value Assessment

Application of DuPont Engarde Herbicide in 400 L/ha 28% UAN provides nitrogen fertilizer to boost corn germination and early seedling growth and development.

Value information, which included trial data collected in Ontario in 2015, demonstrated that efficacy and crop tolerance of DuPont Engarde Herbicide applied pre-emergence in 400 L/ha 28% UAN were comparable to those in 200 L/ha water.

### Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of DuPont Engarde Herbicide to include 28% UAN at a spray volume of 400 L/ha as an alternate carrier to water at a spray volume of 140-200 L/ha for pre-emergence application to field corn.

## Reference

### List of Studies/Information Submitted by Registrant

PMRA # 2642178      2015, Value document to support a pre-emergent application of Engarde herbicide with 28% urea ammonium nitrate as a carrier, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.3.1, 10.3.2, and 10.3.2(A).

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