

## Evaluation Report for Category B, Subcategory 3.12, 3.4 Application

**Application Number:** 2019-4402  
**Application:** Changes to Product Labels-New Site or Host and Application Method  
**Product:** Arsenal PowerLine Herbicide  
**Registration Number:** 30203  
**Active ingredient (a.i.):** Imazapyr  
**PMRA Document Number:** 3076278

### Purpose of Application

The purpose of this application was to amend the registration of Arsenal PowerLine Herbicide to include a broadcast treatment prior to planting labelled conifer species for regeneration of conifer dominant stands and to expand the list of post-application conifer species that can be planted for forest regeneration.

### Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

### Health Assessments

Toxicology and dietary assessments were not required for this application.

The amendments to Arsenal PowerLine Herbicide for forestry site preparation, to add broadcast treatment and expand the list of conifer species planted, are supported from an occupational exposure perspective. Occupational risks to imazapyr during mixing, loading, and application, are not expected to exceed exposures from the registered use of the product, when following label directions and precautions, including wearing the required personal protective equipment.

### Value Assessment

The label expansion to Arsenal PowerLine Herbicide provides users another option to manage competitor species with a broadcast application method for regeneration of select conifer dominant stands, for which a limited number of products are available in Canada.

Value information submitted for review consisted of a scientific paper, a scientific rationale, and use history information from the US. This information demonstrated that a broadcast application of Arsenal PowerLine Herbicide, as per the label instructions, provides acceptable control of aspen and bluejoint reedgrass for regeneration of listed conifer dominant stands.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to amend the registration of Arsenal PowerLine Herbicide.

## References

PMRA Document Number	References
3048349	2019, Use Site Description for Use of Arsenal PowerLine for Weed Control in Forestry Site Preparation, DACO: 5.2
3026962	2019, Use site history - Arsenal PowerLine Herbicide - Broadcast treatment for site preparation, DACO: 10.2.4
3026963	2019, Arsenal PowerLine strip vs. broadcast rationale, DACO: 10.6
3026964	D.G. Pitt <i>et al.</i> , 2015, Early vegetation control for the regeneration of a single-cohort, intimate mixture of white spruce and aspen on upland boreal sites - 10th year update, The Forestry Chronicle 91(3):238-252DACO: 10.6

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