



Control of Phragmites with Arsenal® Powerline and Habitat™ Aqua

Phragmites Working Group,
Guelph ON, 16 January 2020
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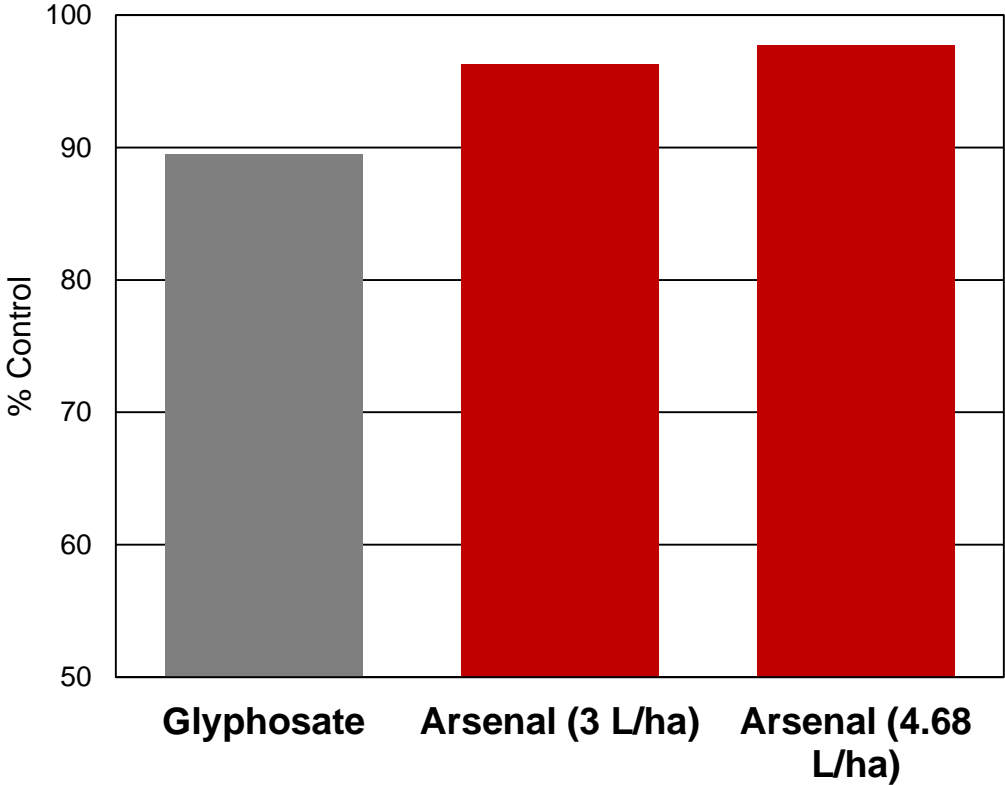


Arsenal® Powerline™

Herbicide

- ▶ Registered in 2016 for terrestrial uses (roadsides and other non-agricultural lands)
- ▶ Contains ***imazapyr***
 - Acts on an enzyme found only in plants
 - Applied in late summer - early autumn
 - Highly systemic
 - Long history of use in USA

Phragmites control 1 year after treatment Chatham ON (2016)



Source: BASF, 1 year after treatment, Chatham ON (2016)

Arsenal[®] Powerline[™]
Herbicide

Establishment of native species 1 – 2 years following treatment



Photo: BASF. 1 year (left) and 2 years (right) following application of 3 L/ha Arsenal Powerline. Chatham ON (2017)

Application Tips

- Do NOT apply if surface water is present and do NOT apply to ditches used for irrigation
- Timing: mid to late summer (until ~50% colour change)
- Ensure excellent coverage; do not spray to run-off
- Do not enter treated areas until spray has dried
- Dense infestations will likely require supplemental treatment

Arsenal Powerline™
Herbicide

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Habitat™ Aqua Herbicide

Research Update

- This product is currently being assessed for registration under the Pest Control Products Act.
- The information presented here is for research purposes only.
- The product cannot be manufactured, imported, distributed or used in Canada at this time, unless explicit authorization has been obtained from Health Canada to use this product for the purpose of conducting research under the Pest Control Products Regulations.

Habitat™ Aqua

- **Registration submission** made to the Pest Management Regulatory Agency of Health Canada in mid 2015

- **Emergency Uses** granted for ground applications to water:
 - ▶ Spartina spp in British Columbia, 2013 – again 2020
 - ▶ Flowering rush in Alberta, 2016-present (research only)
 - Phragmites and flowering rush for 2020

- **Research Authorization** approved for:
 - ▶ Aerial application for over-water use to help manage Phragmites – expired 2019
 - ▶ Re-submitted for continuing research for 2020
 - Assessing the potential sites of Long Point and Lambton Shores

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