



A PARTNERSHIP TO LINK PEOPLE, INFORMATION AND ACTION

ABOUT

The Great Lakes Phragmites Collaborative (GLPC) is a partnership to improve communication and collaboration and lead to more coordinated, efficient and strategic approaches to non-native Phragmites management, restoration and research across the Great Lakes Basin. The GLPC facilitates communication on a regional level, capitalizing on an interactive approach to facilitate access to rigorous science and promote network building among managers, governmental agencies, private landowners and scientists.



Visit our **website** at greatlakesphragmites.net



Join our **listserv** to keep up to date on the latest resources



Watch our **webinar series** to learn about innovative management and research

RESOURCES

The GLPC is consistently developing and showcasing innovative tools and resources for landowners, land managers, educators, and researchers. Browse the examples provided in this factsheet and visit the website to access personalized resources.

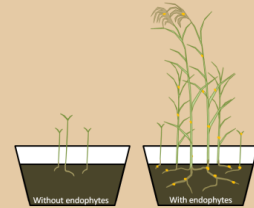
WHAT'S NEW

The GLPC website is a great place to access research, management techniques and outreach materials related to non-native *Phragmites*. Watch for the new Case Studies highlighting non-native *Phragmites* management programs and learn about the development of an adaptive management tool that will support site specific management decisions.



Research and Policy

- Up to date information on state and provincial **regulations and permits**
- The latest research on **genetics, reproduction and spread, community dynamics, gene silencing**, potential **biocontrol options, hybridization** and more



Research on alternative control methods

Management

- Native and non-native **identification** guides
- Comparisons of **management techniques**
- **Long term management recommendations for a variety of scales**
- A quick guide for **herbicide mixing**
- **Monitoring** techniques
- Best practices for **prevention**
- **Adaptive management** tools

Great Lakes PHRAGMITES COLLABORATIVE

Phragmites Treatment Herbicide Quick Guide

Please Note: This document was developed for management purposes. Treatment decisions should be based on site conditions and management goals. Some herbicides are not meant to provide the information presented on each individual herbicide label. The user is the best "field" professional. The Great Lakes Phragmites Collaborative cannot be held responsible for any damage or injury resulting from the use of any herbicide. Always read and follow the label directions on all herbicides. Do not use herbicides on sensitive species. Use of herbicides on wetlands or other sensitive areas and buffer zones. Many states require a permit to use herbicides near or near water. Check with your local authorities to determine permitting requirements in your jurisdiction. All herbicides have been approved for use on water.

Herbicide	Ingredient	Cyfluthrin	Imazapyr & Glyphosate Combination	Trifluralin	Surfactant (Nonionic)
Trade Name	Water (25% to 40%) Imazapyr (10% to 15%) Glyphosate (10% to 15%)	Prothon 20 (20% a.i.) Imazapyr 20 (20% a.i.) Glyphosate (10% to 15%)	Aqua 20 (20% a.i.) Imazapyr 20 (20% a.i.) Glyphosate (10% to 15%)	Clearcut 2.0 (2.0% a.i.)	Clearcut Plus (2.0% a.i.)
Treatment Timing (area may be repeated)	Apply to actively growing plants (10% to 15% of total plant height) and do not exceed 100% of total plant height.	Apply (10% to 15%) to actively growing plants (10% to 15% of total plant height) and do not exceed 100% of total plant height.	Apply (10% to 15%) to actively growing plants (10% to 15% of total plant height) and do not exceed 100% of total plant height.	Apply to actively growing plants (10% to 15% of total plant height) and do not exceed 100% of total plant height.	Apply to actively growing plants (10% to 15% of total plant height) and do not exceed 100% of total plant height.
Application Rate (lb active ingredient per acre)	High Volume (Aerial, Aerial Spray)	40 gallons	40 gallons	3 gallons (use with 2% surfactant)	40 gallons
	Low Volume (Spot Application)	0.1-0.2 gallon	0.1-0.2 gallon	1.0 gallon (use with 2% surfactant)	0.1-0.2 gallon
Plant Height (ft.)	Seedling, 1st Year, 2nd Year	100% of total plant height	100% of total plant height	100% of total plant height	100% of total plant height
	3rd Year, 4th Year, 5th Year	100% of total plant height	100% of total plant height	100% of total plant height	100% of total plant height
Notes	Always use surfactant on the growing season.	Always use surfactant on the growing season.	Always use surfactant on the growing season.	Always use surfactant on the growing season.	Always use surfactant on the growing season.
Class	Imazapyr (2,4-D)	Imazapyr (2,4-D)	Imazapyr (2,4-D)	Imazapyr (2,4-D)	Imazapyr (2,4-D)
Mandatory waiting period (days)	0-3 days (2-3 days)	0-3 days (2-3 days)	0-3 days (2-3 days)	0-3 days (2-3 days)	0-3 days (2-3 days)

1st Edition 11/12

Guide to mixing and using herbicide

Outreach

- **Blogs** from expert guest authors
- Model **case studies** and **template materials**
- **Programs and Projects** around the Great Lakes



Programs and projects around the Great Lakes

PARTNERS



Great Lakes Phragmites Collaborative



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CONNECT