



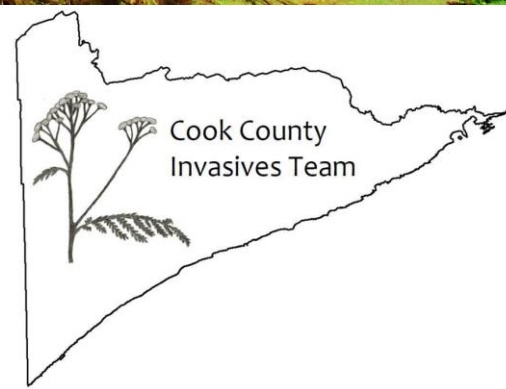
FIGHTING INVASIVE PLANTS

Tools available for your use

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What is an *invasive* species?



What is an *invasive* species?

In 1999, President Bill Clinton signed Executive Order 13112, defining *invasive species* as:

- 1) Non-native to the ecosystem under consideration, and
- 2) Species whose introduction causes or is likely to cause economic or environmental harm or harm to human health



1) Non-native



- High reproduction rate
- Can reproduce vegetatively or through self-fertilization
- High dispersal rate
- Tolerant of a wide range of conditions
- Allelopathic

2) Harmful

- Hurt native habitats and ecosystems
- Change the food chain
- Can increase erosion and fire hazard
- Hurt fishing and boating industries
- Decrease property value
- May be poisonous to humans or animals



Established Invaders

of the North Shore

Common tansy

Tanacetum vulgare



Canada thistle

Cirsium arvense



Spotted knapweed

Centaurea stoebe



Purple loosestrife

Lythrum salicaria



Establishing Invaders

of the North Shore

Hemp nettle

Galeopsis tetrahit



© 2007 k. chayka

St. John's wort

Hypericum perforatum



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Reed canary grass

Phalaris arundinacea



2005 © Peter M. Dziuk

Leafy spurge

Euphorbia esula



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Emerging Invaders *of the North Shore*

Garlic mustard

Alliaria petiolata



European buckthorn

Rhamnus cathartica



Japanese knotweed

Fallopia japonica var. *japonica*



Dalmatian toadflax

Linaria dalmatica



Control and Management

In the Field

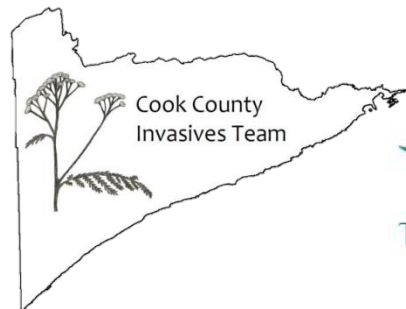


Control and Management

A History of Education




UNIVERSITY OF MINNESOTA
EXTENSION



 **Sugarloaf**
THE NORTH SHORE STEWARDSHIP ASSOCIATION

Community Forest Restoration Shed



Funding for this project was provided in part by the National Fish and Wildlife Foundation's Sustain our Great Lakes Program.

A Two-Fold Approach



Herbicides



Herbicides

1. Escort



2. Transline



3. Rodeo



For more information...

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