



**INVASIVE SPECIES  
MANAGEMENT**

SAINT LAWRENCE  
EASTERN LAKE ONTARIO  
SLELO PRISM

February 8th, 2022  
11:30 AM - 12:30 PM EST  
Via Zoom

# NATIVE ALTERNATIVES

FOR COMMON INVASIVE GARDEN PLANTS



GENESEE  
LAND TRUST



# Agenda

Introduction to SLELO PRISM

What Are Invasive Species?

Common Invasive Species &  
Native Alternatives

General Control Method Tips

Ways to Get Involved

Questions



# INVASIVE SPECIES MANAGEMENT

SAINT LAWRENCE  
EASTERN LAKE ONTARIO



## SLELO is Hosted by:

The Nature Conservancy

## Where We Work:

Oneida  
Oswego  
Jefferson  
Lewis  
St. Lawrence

## What We Do:

Collaborate with our partners to protect our lands and waters from the impacts of invasive species.

**Teaming up to Stop the  
Spread  
of Invasive Species**

[www.sleloinvasives.org](http://www.sleloinvasives.org)



# Invasive Species

- An invasive species is one that is **non-native** to the ecosystem under consideration and whose introduction causes, or is likely to cause, **economic** or **environmental** harm or harm to **human health**.



**Not All  
Non-native  
Species Are  
Invasive**

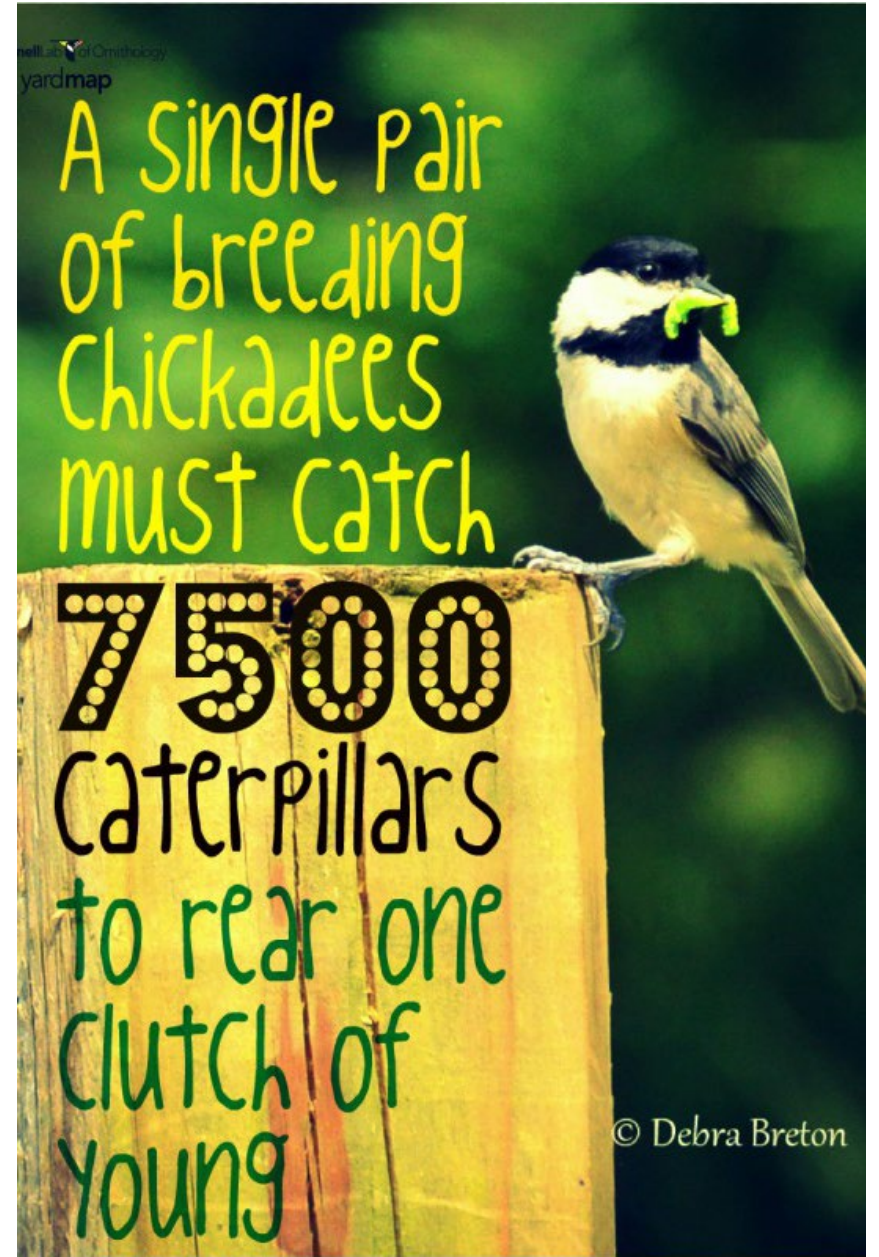


# Why are Some Non-native Species Invasive?





**How Do Invasive  
Species Get Here?**



A single pair  
of breeding  
Chickadees  
must catch

**7500**

Caterpillars  
to rear one  
clutch of  
young

© Debra Breton





**QUICK TIPS  
THAT  
SUPPORT  
POLLINATORS**

**Diversify**

**Successional  
blooming**

**Avoid hybrids**

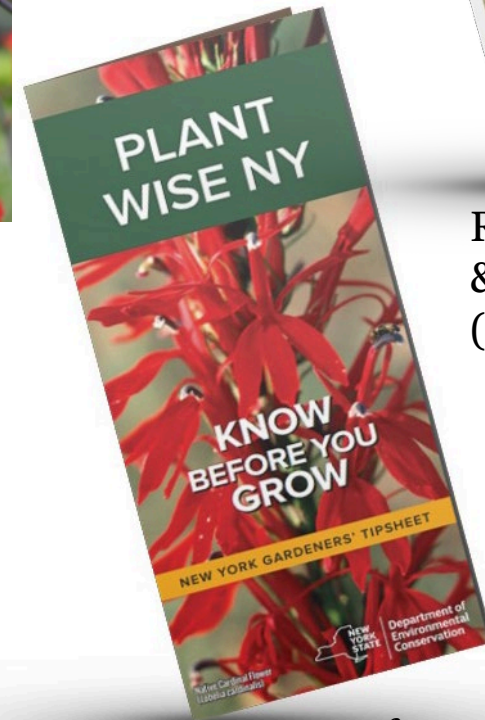
# Native Plant Resources



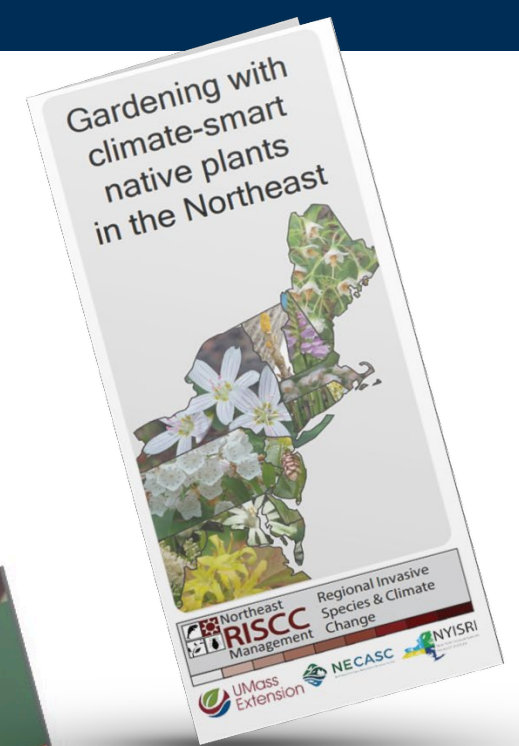
The National Wildlife Federation



NYS Department of Environmental Conservation



NYS Department of Environmental Conservation



Regional Invasive Species & Climate Change (RISCC)

# NATIVE ALTERNATIVES

FOR COMMON INVASIVE GARDEN PLANTS



# Bush Honeysuckles

(*Lonicera spp.*)

- Up to 16\5 feet tall
- Hollow cross-section
- Early to leaf-out and hold leaves late into fall
- Berries do not provide adequate nutrition



# Native Alternatives

Coral/Trumpet Honeysuckle  
*Lonicera sempervirens*



Downy Serviceberry  
*Amelanchier arborea*



American Elderberry  
*Sambucus canadensis*



# Butterfly Bush/Summer Lilac

*(Buddleja davidii)*

- Up to 15 feet tall
- Crowds out native plants
- Only benefits pollinators at one stage of life cycle



# Native Alternatives

Summersweet  
*Clethra alnifolia*



Blazing Star  
*Liatris spicata*



Giant Hyssop  
*Agastache urticifolia*



# Multiflora Rose

*(Rosa multiflora)*

- Clusters of white flowers
- Thick brambles exclude native vegetation
- Host of rose rosette disease
- Seeds viable for up to 20 years





# Native Alternatives

Ninebark

*Physocarpus opulifolius*



Buttonbush

*Cephalanthus occidentalis*



Spicebush

*Lindera benzoin*



# Japanese Barberry (*Berberis thunbergii*)

- Leaves variable – seasonal
- Stems are numerous, spiny and curving
- Found along edges, woodlands, old fields
- Dispersed by birds
- Once established, its prolific spreading shades out native plants



# Native Alternatives

Winterberry Holly  
*Ilex verticillata*



American Hazelnut  
*Corylus americana*



# Burning Bush (*Euonymus alatus*)

- 15 feet tall
- Vibrant red leaves in autumn
- Increases rates of erosion



# Native Alternatives

Black Chokeberry  
*Aronia melanocarpa*



Serviceberry



American Cranberry Bush



Highbush Blueberry





## Porcelain Berry (*Ampelopsis brevipedunculata*)

- Ornamental vine
- Covers vegetation, suppressing and outcompeting for sunlight



# Native Alternatives

Coral/Trumpet Honeysuckle  
*Lonicera sempervirens*



American bittersweet



Fox grape



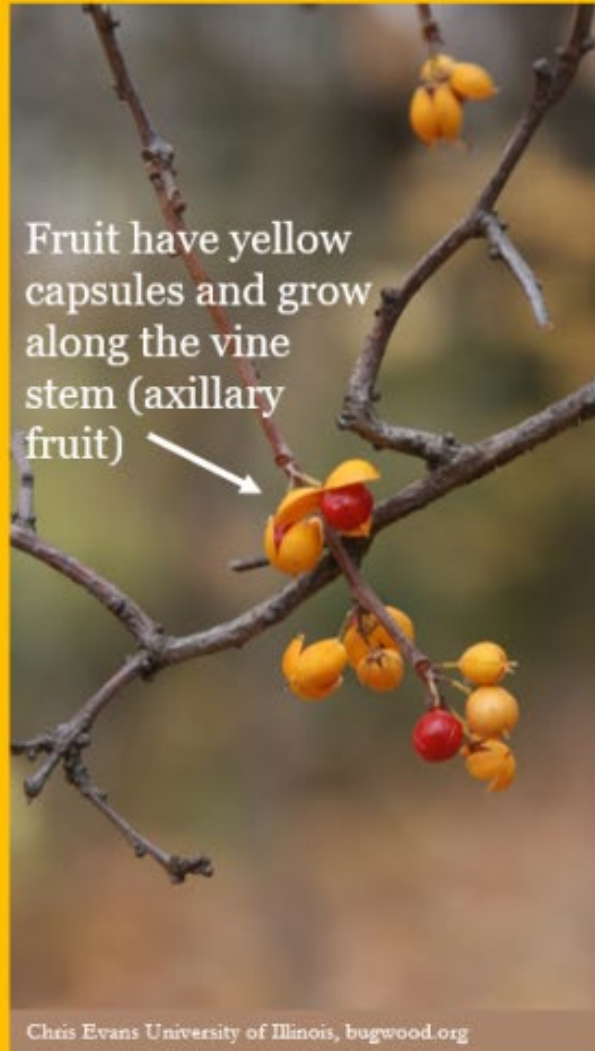
# Invasive Oriental Bittersweet *Celastrus orbiculatus*



Robert Smith-TNC/SLELO PRISM



Robert Smith-TNC/SLELO PRISM



Fruit have yellow capsules and grow along the vine stem (axillary fruit)

Chris Evans University of Illinois, bugwood.org

# NATIVE American Bittersweet *Celastrus scandens*



Fruit have orange capsules and grow at vine tips (terminal fruit)

Minnesotawildflowers.info



# Native Alternatives

Coral/trumpet Honeysuckle  
*Lonicera sempervirens*



American bittersweet  
*Celastrus scandens*



Trumpet Vine  
*Campsis radicans*



## Japanese Tree Lilac (*Syringa reticulata*)

- Deciduous tree that grows from 15 – 40 ft tall
- Reddish-brown bark
- Dark green leaves with rounded base
- Fragrant flowers grown in white clusters
- Small saplings can be hand-pulled
- Pruning can reduce flowering



# Native Alternatives



Summersweet  
*Clethra alnifolia*



Broadleaf meadowsweet  
*Spiraea latifolia*



Common lilac  
*Syringa vulgaris*

## MANUAL: DIGGING & PULLING

- Effective for small invasive plant populations.
- Best if done in the spring when soil is loose.
- Slowly dig/pull plants up by the base and remove entire root system.
- Avoid leaving behind plant fragments as they may resprout.



## MECHANICAL: CUTTING & MOWING

- Effective for medium sized invasive plant populations.
- Cut/mow invasive plants to ground level before flowering occurs.
- Remove clippings from site and place in a sunny spot for 2-weeks prior to disposal or composting.



## CHEMICAL: HERBICIDE APPLICATION

- Effective for medium-large sized invasive plant populations.
- Apply herbicide at peak growth before seed production. Follow all labels.
- Treated plants should remain undisturbed for 2-weeks following treatment. No disposal required.



# GENERAL CONTROL METHODS FOR INVASIVE PLANTS

A close-up photograph of a hand holding a shovel filled with dark, rich soil. The shovel is positioned diagonally across the frame. The background is a soft-focus garden scene with green foliage and several bright orange flowers. The overall lighting is natural and bright, suggesting an outdoor setting. The text 'GET INVOLVED' is overlaid in the lower center of the image.

**GET INVOLVED**



**Take The Pledge. Get the Tools. Earn the Badge**  
[iPledgeToProtect.org](http://iPledgeToProtect.org)



**TAKE THE PLEDGE.  
GET THE TOOLS.  
EARN THE BADGE.**

[www.iPledgeToProtect.org](http://www.iPledgeToProtect.org)

# BECOME A PROTECTOR

[www.iPledgeToProtect.org](http://www.iPledgeToProtect.org)

**WHAT  
YOU'LL  
GET**

- Simple Actions You Can Take to Protect Your Lands & Waters from Invasive Species
- Bragging Rights.
- Collectable Virtual Badges.
- Access to a Social Media Toolbox.
- Prizes!





SLELO PRISM

**Volunteer With Us!**  
[sleloinvasives.org/volunteer](http://sleloinvasives.org/volunteer)

**Scan to Volunteer**





# QUESTIONS???



**INVASIVE SPECIES  
MANAGEMENT**  
SAINT LAWRENCE  
EASTERN LAKE ONTARIO

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