

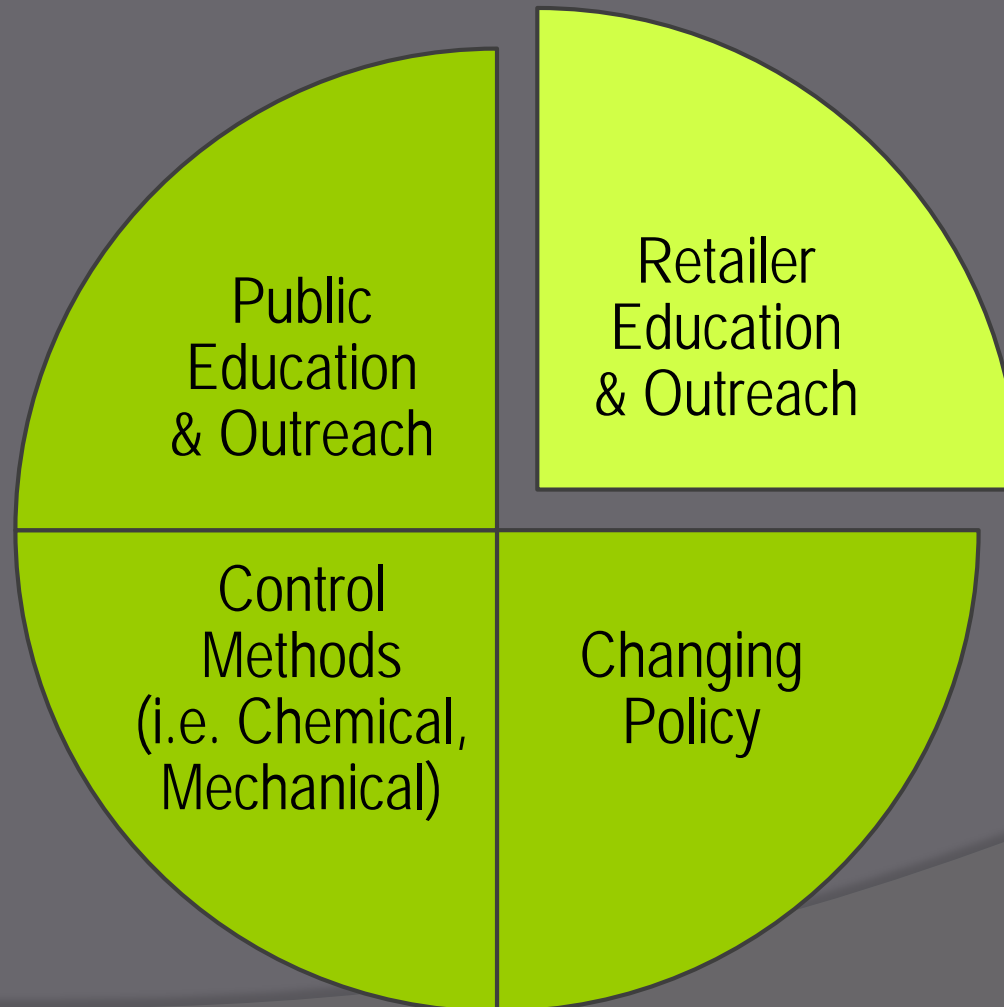


Invasive Plants and the Landscaping Community

Lindsay Gafford, New Jersey Audubon



How can we stop the spread of invasive species?



What is the connection between landscaping and invasive species?

“Ultimately, cultivation favors the invasion process”.

Characteristics of the cultivated plants we buy:

- ✓ Fast growing
- ✓ Abundance of fruit
- ✓ Tolerant of poor growing conditions
- ✓ “Deer resistant”

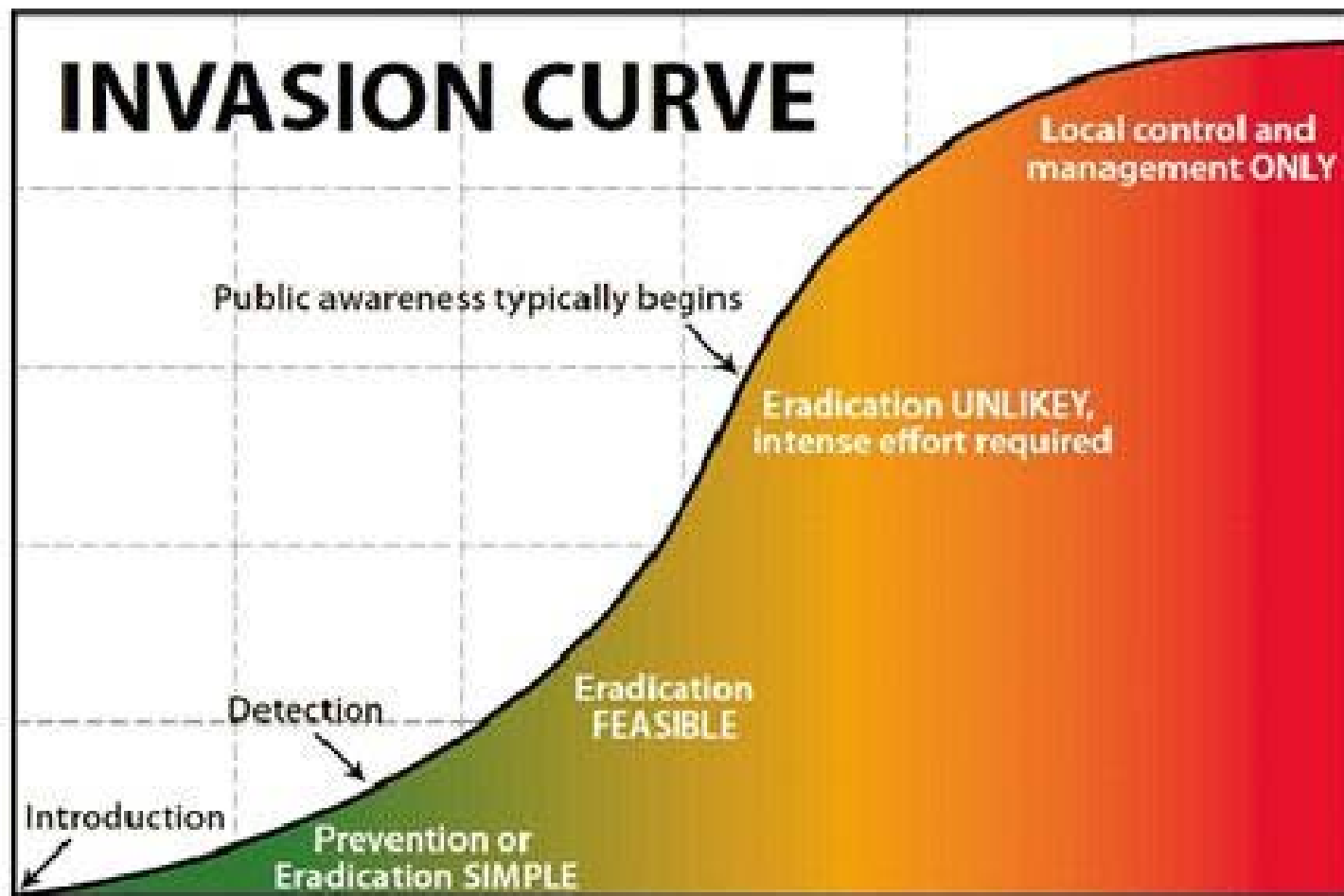


*“Most intentionally introduced species remain in their cultivated settings, but some invade natural areas. Of the 235 woody plant species that have naturalized in North America, 201 or **85% were introduced primarily for the landscape trade** (both ornamental and functional landscaping, such as erosion control), and 34 (14%) were introduced primarily for agriculture or production forestry “.*

Reichard, S.E. 1994. Assessing the potential of invasiveness in woody plants introduced in North America. University of Washington, Seattle.

INVASION CURVE

AREA INFESTED



Public awareness typically begins

Eradication UNLIKELY,
intense effort required

Detection

Eradication
FEASIBLE

Introduction

Prevention or
Eradication SIMPLE

Local control and
management ONLY

CONTROL COSTS →

TIME →

What are we trying to accomplish?

Goal: Reduce the sale of invasive plants in the state of New Jersey

Strategy: Target members of the landscaping community and ask them to voluntarily restrict their sale of invasive plants

Working with, not against.

- Appealing to the needs of the small business owner
- Offering an attractive incentive program
- Providing helpful resources and education about native plant alternatives

The Jersey Plant Pledge

- Created by New Jersey Audubon staff and reviewed by The Strike Team
- Three levels of participation
- Pledge window:
July 1, 2016 to June 30, 2017





NJ Invasive Species
Strike Team

APPLYing New Technology to Nip Invasive Species in the Bud

[Use Your Android Phone or iPhone to Identify & Report Invasive Species](#)

GET INVOLVED



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Photo by Rachel Mackow.

New Jersey Invasive Species Strike Team

The Strike Team is a statewide cooperative effort to prevent the spread of emerging invasive species across the state of New Jersey. Started in 2008 as the Central Jersey Invasive Species Strike Team, the project has now expanded statewide and consists of private individuals and over 100 public and private partner organizations representing all levels of government from federal to municipal, non-

Our Goal

To promote the protection of forests, meadows, and waterways.

Invasive Species Map



[CLICK HERE
VIEW YOUR AREA](#)

Waterclover	Emerging	Yes
Biltgrass	Widespread	No
Silvergrass	Emerging	Yes
Other	Emerging	Yes
Watermilfoil	Widespread	Yes
Reed basket grass	Emerging	Yes
Green ivy	Emerging	Yes
Steakplant	Emerging	Yes
Common grass	Widespread	Yes

**Do Not Plant List
Reference Sheets**

What is an invasive species?

An invasive species is a non-native organism which is causing harm to the environment, human health, or the economy. They can also interrupt the natural ecosystem by impacting native plants and animals.

[Click here](#) for a tutorial on how to use NJ Invasives to identify and report

New Jersey Invasive Species Strike Team

2015 DO NOT PLANT LIST

PLEASE DO NOT PURCHASE ANY OF THESE SPECIES (including any of their cultivars and varieties)

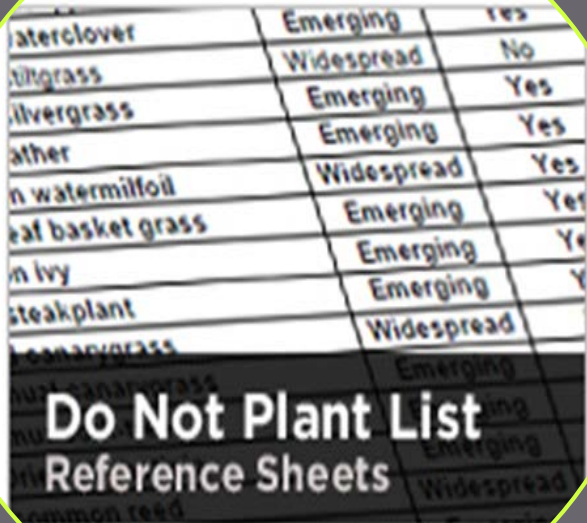
Scientific Name	Common Name	NJISST Category
<i>Acer ginnala</i>	Amur maple	NJISST Target
<i>Acer palmatum</i>	Japanese maple	NJISST Target
<i>Acer platanoides</i>	Norway maple	Widespread
<i>Acer pseudoplatanus</i>	sycamore maple	NJISST Target
<i>Achyranthes japonica</i>	Japanese chaff flower	NJISST Watch
<i>Acorus calamus</i>	American sweetflag	Widespread
<i>Actinidia arguta</i>	hardy kiwi	NJISST Target
<i>Ailanthus altissima</i>	tree-of-heaven	Widespread
<i>Akebia quinata</i>	chocolate vine	NJISST Target
<i>Albizia julibrissin</i>	mimosa	NJISST Target
<i>Aldrovanda vesiculosa</i>	water wheel plant	NJISST Watch
<i>Alliaria petiolata</i>	garlic mustard	Widespread
<i>Alnus glutinosa</i>	European black alder	NJISST Target
<i>Amorpha fruticosa</i>	indigobush	NJISST Target
<i>Ampelopsis brevipedunculata</i>	porcelain-berry	NJISST Target
<i>Anthriscus sylvestris</i>	wild chervil	NJISST Target
<i>Aralia elata</i>	Japanese angelica tree	NJISST Target
<i>Artemisia annua</i>	annual wormwood	NJISST Target
<i>Artemisia stelleriana</i>	oldwoman	NJISST Target
<i>Artemisia vulgaris</i>	mugwort	Widespread
<i>Arthraxon hispidus</i>	small carpetgrass	Widespread
<i>Arum italicum</i>	Italian arum	NJISST Watch
<i>Belamcanda chinensis</i>	blackberry lily	NJISST Watch
<i>Berberis julianae</i>	wintergreen barberry	NJISST Watch
<i>Berberis thunbergii</i>	Japanese barberry	Widespread
<i>Berberis vulgaris</i>	common barberry	NJISST Target
<i>Buddleja davidii</i>	butterflybush	NJISST Target
<i>Cabomba caroliniana</i>	Carolina fanwort	NJISST Target
<i>Callitriche stagnalis</i>	European waterstarwort	NJISST Target
<i>Cardamine impatiens</i>	narrowleaf bittercress	Widespread
<i>Carex kobomugi</i>	Japanese sedge	NJISST Target
<i>Carex macrocephala</i>	largehead sedge	NJISST Target
<i>Celastrus orbiculatus</i>	Oriental bittersweet	Widespread
<i>Centaurea stoebe</i> ssp. <i>micranthos</i>	spotted knapweed	Widespread
<i>Cenchrus alopecuriodes</i>	black fountain grass	NJISST Watch
<i>Cenchrus setaceus</i>	black fountain grass	NJISST Watch
<i>Cirsium arvense</i>	Canada thistle	Widespread

Scientific Name	Common Name	NJISST Category
<i>Kalopanax septemlobus</i>	castor aralia	NJISST Target
<i>Koelreuteria elegans</i>	golden raintree	NJISST Watch
<i>Lamiastrum galeobdolon</i>	yellow archangel	NJISST Watch
<i>Lespedeza cuneata</i>	sericea lespedeza	NJISST Target
<i>Leucjum aestivum</i>	snowbell	NJISST Watch
<i>Ligustrum amurense</i>	amur privet	NJISST Watch
<i>Ligustrum obtusifolium</i>	border privet	Widespread
<i>Ligustrum ovalifolium</i>	California privet	NJISST Target
<i>Ligustrum vulgare</i>	European privet	Widespread
<i>Lonicera caprifolium</i>	Italian woodbine	NJISST Target
<i>Lonicera fragrantissima</i>	sweet breath of spring	NJISST Target
<i>Lonicera japonica</i>	Japanese honeysuckle	Widespread
<i>Lonicera maackii</i>	Amur honeysuckle	Widespread
<i>Lonicera morrowii</i>	Morrow's honeysuckle	Widespread
<i>Lonicera tatarica</i>	Tatarian honeysuckle	Widespread
<i>Ludwigia peploides</i>	creeping waterprimrose	NJISST Target
<i>Lythrum salicaria</i>	purple loosestrife	Widespread
<i>Mahonia bealei</i>	Beale's barberry	NJISST Watch
<i>Malus toringo</i>	Japanese crabapple	NJISST Target
<i>Marsilea quadrifolia</i>	European waterclover	NJISST Target
<i>Microstegium vimineum</i>	Japanese stiltgrass	Widespread
<i>Miscanthus sinensis</i>	Chinese silvergrass	NJISST Target
<i>Myosoton aquaticum</i>	giant chickweed	NJISST Target
<i>Myriophyllum aquaticum</i>	parrotfeather	NJISST Target
<i>Myriophyllum spicatum</i>	Eurasian water-milfoil	Widespread
<i>Najas minor</i>	brittleleaf naiad	NJISST Target
<i>Nasturtium officinale</i>	watercress	Widespread
<i>Nymphoides peltata</i>	yellow floating heart	NJISST Target
<i>Oenanthe javanica</i>	Java dropwort	NJISST Watch
<i>Oplismenus hirtellus</i>	wavyleaf basketgrass	NJISST Target
<i>Osmanthus heterophyllus</i>	holly osmanthus	NJISST Watch
<i>Parthenocissus tricuspidata</i>	Boston ivy	NJISST Target
<i>Perilla frutescens</i>	beefsteakplant	NJISST Target
<i>Persicaria orientalis</i>	kiss me over the garden gate	NJISST Target
<i>Persicaria perfoliata</i>	mile-a-minute vine	Widespread
<i>Phalaris arundinacea</i>	reed canarygrass	Widespread
<i>Phalaris canariensis</i> L.	canarygrass	NJISST Target

Silver
Emerging
(10)

Gold
Spreading
(5)

Platinum
Widespread
(2)



Plant Name	Status	Yes/No
Waterclover	Emerging	Yes
Stiltgrass	Widespread	No
Silvergrass	Emerging	Yes
Water	Emerging	Yes
Watermilfoil	Widespread	Yes
Leaf basket grass	Emerging	Yes
Ivy	Emerging	Yes
Steakplant	Emerging	Yes
Widespread	Widespread	
Emerging	Emerging	
Emerging	Emerging	
Widespread	Widespread	

Do Not Plant List
Reference Sheets



The Jersey Plant Pledge

Client Rewards

- ✓ *NJA will acknowledge the business in a press release & in an email to the NJA membership base*
- ✓ *AND business will be awarded a framed certificate for participation in the program*
- ✓ *AND will send email to NJA members in the vendor's surrounding zip codes with '%OFF Coupon'*
- ✓ *AND NJA will provide educational programming (tabling at one vendor event)*

The Jersey Plant Pledge

“As an influential member of the landscaping community, I understand that I have a responsibility to be a leader in preventing the spread of invasives & safeguarding native plants and wildlife.

I agree to work towards reducing the amount of invasive non-native plants that are sold in the state of New Jersey.”

Initial reactions

- ⦿ Received feedback from 4 New Jersey landscapers and garden centers during the planning process
 - Landscapers vs. Garden Centers
 - Pledge window adjusted for the ordering schedule (July 1-June 30)
 - Discovered a need for resources about native plant alternatives
- ⦿ Several vendors are interested in signing the Jersey Planting Pledge

What is Next?

- Spring 2016: More vendors will be contacted and signed up for the pledge
- Summer 2016: Start of the pledge year
- Ongoing: New Jersey Audubon will continue to develop resources for vendors that are looking for suggestions and information about native plant alternatives

Questions?