

Ecological Restoration:

Starting in your yard!



Addition By Subtraction

- Invasive plants crowd out natives and destroy ecosystems
- They have no natural enemies
- What invasive plants are in your yard?





Wisteria

- It reroots every six inches
- It is strangling trees everywhere
- No one seems to notice

English Ivy

- A Death Sentence for Countless Trees
- A Destroyer of Our Forest Floors
- A possible vector for Lyme Disease?





Mugwort

- Used in traditional medicine
- Flavoring in cuisines and brewing
- Believed to enhance dreams and visions
- Naturally repels insects and pests

THE DIRTY DOZEN

These invasive species harm our local environment



Porcelain Berry



Bamboo



English Ivy



Chinese Wisteria



Phragmites



Japanese Knotweed



Tree of Heaven



Mugwort



Oriental Bittersweet



Japanese Barberry



Multiflora Rose
Shrub



Burning Bush

Headlines from this rogue's gallery:

- **Japanese Knotweed.** Roots can penetrate rock – or your foundation! Very tough to eradicate.
- **Phragmites.** All those reeds you see? It's an invasive monoculture.

Tree of Heaven. Invasive. Attracts The Spotted Lanternfly – Their Preferred Host

Tree of Heaven

- First introduced to North America in 1750
- “A Tree Grows in Brooklyn”
- With no natural enemies, it spreads and crowds out natives
- It regrows readily from its roots
- Preferred host tree of the spotted lanternfly



Coming For Our Vineyards:

A Public Service Announcement

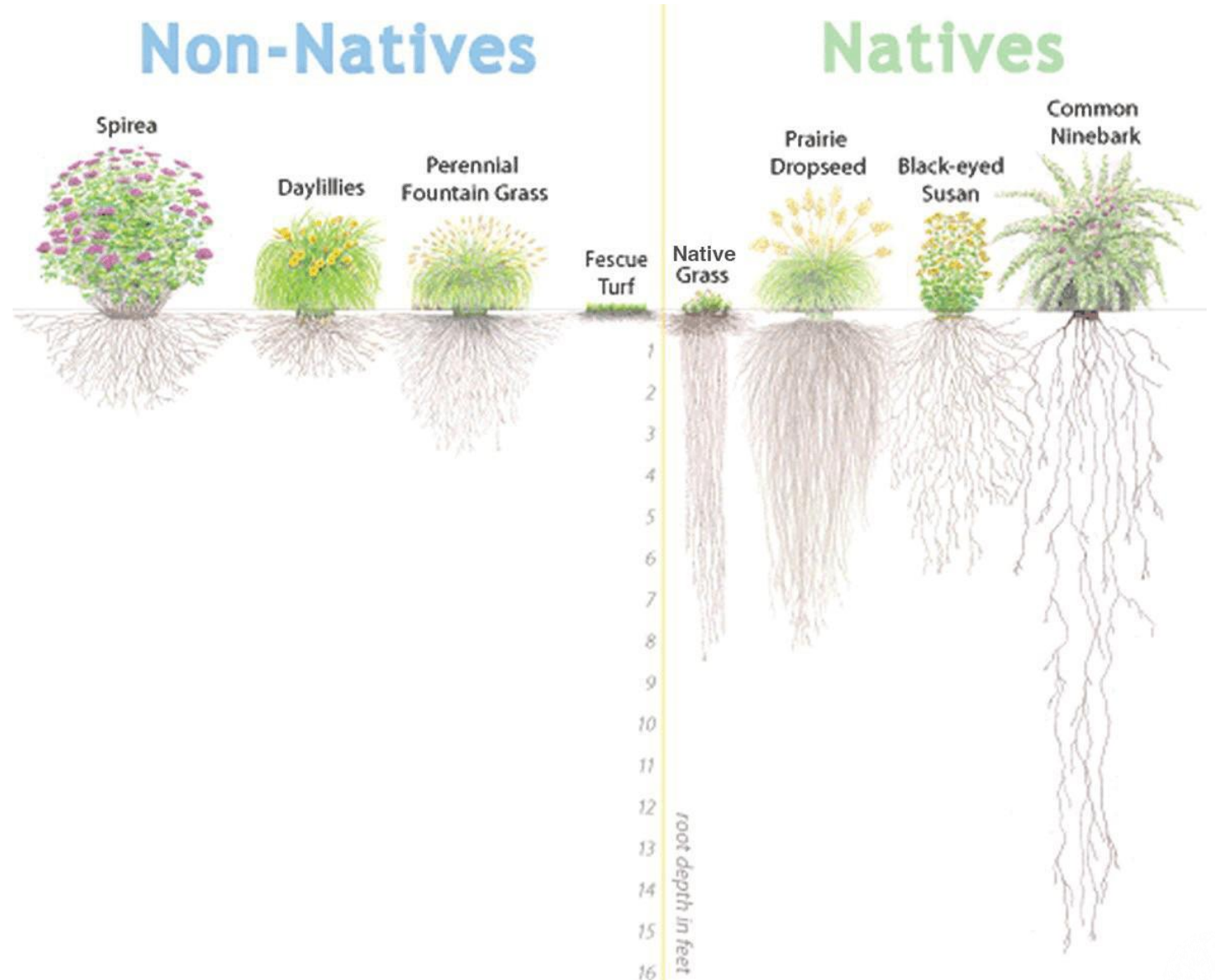
- SLF population has rebounded, spreading east on LI
- Remove Tree of Heaven and Porcelain Berry
- Tree funnels to trap them, or vacuum them, or blast with a BUGASALT gun
- No pesticides please. Let's not ruin what's left.
- No sticky tape. Too many good insects and birds are killed



NATIVE PLANTS:

Restoring Ecosystems

Replant Native, heal the soil and
filter the surface/ground water



NATIVE PLANTS:

Essential For Our Birds

- A nest of songbirds will require 6000+ caterpillars
- Caterpillars in turn need to feed from native plants of a particular species
- We have lost 45% of our insects since 1974
- We have lost 1% of our songbirds yearly since 1964



Eumorphia pandorus - Pandorus erinx




NATIVE PLANTS:

Green is the new black.

- Increasingly, people want natives
- Native plantings improve water quality
- “Green homes” sell faster
- Realtors are prepping homes by planting native




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HOME / LATEST NEWS / PRESS RELEASES / CONSUMER GARDENING REPORT FINDS ONE IN THREE PEOPLE TURNING TO NATIVE PLANTS, GARDENING FOR WILDLIFE


Consumer Gardening Report Finds One in Three People Turning to Native Plants, Gardening for Wildlife


Caitlyn Fallon // May 02, 2022 //




RESTON, Va. – A survey commissioned by the National Wildlife Federation, in partnership with the National Gardening Association, found more people are gardening for wildlife by purchasing native plants and landscaping that help pollinators like at-risk butterflies, bees and birds. The survey is part of an annual consumer gardening report that coincides with the National Wildlife Federation's 10th annual Garden for Wildlife™ Month.



"Native plants, in our gardens and in the wild, are essential to the survival of wildlife and the health and well-being of people. The growing number of people turning to native plants and natural landscapes year after year gives us hope for the future and for reversing the wildlife crisis," said Mary Phillips, head of Garden for Wildlife™. "With our new native plant collections and partnerships with leading researchers in this field, we will continue making it easy for everyone to Garden for Wildlife™ and create healthy ecosystems for people, wildlife and the planet."


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 Landscape and Urban Planning
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Environmental attitudes predict native plant abundance in residential yards

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<https://doi.org/10.1016/j.landurbplan.2022.104443>  Get rights and content 

Green homes sell faster

So what does this demand mean for homeowners? It means when you're ready to [sell your green, energy-efficient house](#), you can expect it to move *quicker* than conventional homes.

- Homes marketed as "eco-friendly" sell 9 days faster on average, according to [Zillow](#).
- Homes with an ENERGY STAR rating sell 89 days faster, according to [North Carolina Energy Efficiency Alliance](#).

There are two key reasons green homes sell faster:

1. Strong buyer demand, as we just covered. Shoppers actively look for and value sustainable features.
2. Effective marketing by real estate agents. Agents know eco-friendly homes are hot commodities, so they appropriately promote the energy savings and environmental benefits to buyers.

So by building or upgrading to an efficient, sustainable property now, you can expect to shave days or weeks off your home's time on the real estate market when you're ready to sell.

Green homebuyer trends

Now that we've covered all the green home features and government incentives driving this trend, let's look at the homebuyer demand side of the equation.

The data shows rising popularity for sustainable, energy-efficient homes among American home shoppers:

- 73% of prospective homebuyers want an ENERGY STAR certified house, according to the [National Association of Home Builders](#).
- 63% of realtors say eco-friendly features help homes sell faster, according to the [National Association of Realtors](#).
- Millennials are leading the charge, with nearly 60% willing to pay more for sustainable housing, according to [Freddie Mac research](#).

So from coast to coast, buyers increasingly want homes with things like solar panels, EV chargers and energy-saving appliances. This trend is especially pronounced in Western states like California, but picking up steam nationwide.

And as government incentives reduce the costs of green systems and features, interest should only accelerate more.

The Bioswale at Planting 6/2020

- Stormwater traveling south to the bay would flood
- A bioswale was dug and lined with native plants.
- There was no longer a pond in the front yard every spring.
- Plants did amazing.



Bioswale

8/2022

- Native plants love being in their natural environment. Who knew?
- The growth has been astounding; we are planning an intervention



Bioswale

8/2025

- Everything thriving with minimal maintenance
- Ironweed, Joe Pye have been enormous this year



FUTURE MEADOW

11/2020

Was a driveway for 100 years until 10/2020.

Planted with little bluestem and butterfly milkweed.



The Meadow

9/2021

- Soil Conditioning
- Cover crops
- Plan for ecological succession





Ecological Succession

- Three years later....

Change Your Yard, Change Your Life

- Time you (re)met some of your fellow creatures
- Time you stopped to observe
- Time you treated yourself to small miracles
- What if every day could bring a little awe?



Wild By Design:

Foundational Gardens and “Formal” Areas

- “Controlled wild”
- Purposeful plantings
- Spacing
- Layering



Lose Your Lawn, Regain Nature

- The lawn is mostly invasive species
- 40 million acres – only behind corn
- Little ecological value
- Fertilizers kill the soil -- both microbes and bugs
- Bonus: Get a meadow in return!



Irrigation: Only To Start Your Trees and Shrubs

- June-September for 1st growing season
- Lawncare via watering it and fertilizing it disrupts the local ecology and invites in invasive plants.
- The lawn itself is an invasive species
- Long Island: Droughty with poor soil. Go Native! Your yard will thrive!



Plant Densely: Copy Nature

Trees:

- 4'-6' on center
 - Community development vs. individual plant health
 - Encourages development of mycorrhizal networks
 - Discourages invasive plants



Bring Nature Home

- Leave the leaves and don't deadhead!
- If you have room for one, you have room for three
- Some neighbors will welcome Nature!



Stewarding Our Wild Places in Every Community

- What of our local parks, ponds and lakes?
- How do we restore ecological function to our woods, fields, and waters?
- How do we maintain these parcels of nature over time?



PLANT STOCK

NATIVE PLANT SALE



when

OCTOBER 11

2:00 PM – 5:00 PM



where

HOG FARM

319 BEAVER DAM RD, BROOKHAVEN, N.Y.

FOOD, DRINK, MUSIC AND TALKS



TYSKA NATIVES



How To Get Your Native Plants: LINPI, Re-Wild, and at Plantstock VI, Saturday, Oct 11th 2-5

Native Planting Day

- Native Planting Day falls every year on Columbus Day
- The Monday holiday makes it the perfect day for volunteering!
- Fall planting gives you a head start on spring
- Growers are looking to pare inventory before winter
- Native Planting Day is two days after Plantstock
- The Sunday between is a perfect rain day for each
- Hands on experience with natives like The American Chestnut



Returning The American Chestnut



Thank You!

Contact Us:

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