

Native Plant Suggestions from HGCNY

These Biodiversity All-Stars provide the most habitat! **Use the first AND last Latin names to be sure you get what you think you're getting.** Try to select the species, not cultivars ("named" varieties). Match your site conditions with the plant's needs.

*** **Biodiversity All-Stars** *** Selected from Tallamy's and Cullina's lists

Oaks (*Quercus spp.*) – Oaks such as red oak are very important habitat plants
Cherries (*Prunus serotina*, *P. caroliniana*, *P. virginiana*)
Plums (*Prunus americana* or *P. maritime*)
Willows, such as pussy willow (*Salix discolor*) (*but not weeping willow*)
Crabapples (*Malus spp.*)
Hawthorns (*Crateagus spp.*)
Serviceberries (*Amelanchier canadensis*, *A. arborea*, *A. laevis*)
Birches such as river birch (*Betula nigra*), sweet birch (*B. lenta*)
Blueberries (*Vaccinium spp.*) or Huckleberries (*Gaylussacia spp.*)
Poplars e.g. Quaking aspen (*Populus tremuloides*) or cottonwood (*P. deltoids*)
Sugar maple (*Acer saccharum*)
Wild roses such as Virginia rose (*Rosa virginiana*) or pasture rose (*R. carolina*)
Eastern red cedar (*Juniperus virginiana*)
Black elderberry (*Sambucus canadensis*)
Pagoda dogwood (*Cornus alternifolia*)
Shrub dogwood: Gray (*Cornus racemosa*), Silky (*C. amomum*), Redtwig (*C. sericea*)
Goldenrods (*Solidago*) are important nectar plants and DO NOT cause allergies!
 Blue-stemmed goldenrod (*Solidago caesia*)
 Stiff goldenrod (*Solidago rigida*)
 Rough-stemmed goldenrod (*Solidago rugosa*)
New England aster (*Aster novae-angliae*) – fall nectar
New York aster (*Aster novi-belgii*) – fall nectar
Eastern white pine (*Pinus strobus*)
Common sunflower (*Helianthus annuus*) or Woodland sunflower (*H. divaricatus*)
Sedges (*Carex spp.*) such as Plantain sedge (*Carex plantaginea*)
Grasses such as
 Big bluestem (*Andropogon gerardii*)
 Tufted hair grass (*Deschampsia cespitosa*)
 Switch grass (*Panicum virgatum*)
 Little bluestem (*Schizachyrium scoparium*)
 Indian grass (*Sorghastrum nutans*)
 Northern dropseed (*Sporobolus heterolepis*)
Black tupelo (*Nyssa sylvatica*)
Winterberry (*Ilex verticillata*) – need at least one male for females
Summersweet aka Sweet pepperbush (*Clethra alnifolia*) - nectar
Northern bayberry (*Myrica pensylvanica*) – need at least one male for females
Viburnums such as American cranberrybush (*Viburnum trilobum*)
Spicebush (*Lindera benzoin*) need at least one male for females
Milkweeds e.g. swamp milkweed (*Asclepias incarnata*); butterflyweed (*A. tuberosa*)
New York ironweed (*Vernonia noveboracensis*) – great for butterflies

Additional Wildflowers

Turtlehead (*Chelone glabra*) – host plant for Baltimore checkerspot
Wild columbine (*Aquilegia canadensis*) – hummingbird favorite
Pussytoes (*Antennaria neglecta* or *A. plataginifolia*) – host for American Lady
Black cohosh (*Cimicifuga racemosa*, renamed *Actaea racemosa*) - nectar
Purple coneflower (*Echinacea purpurea*) - nectar
Joe-pye weed (*Eupatorium fistulosa*, renamed *Eutrochium fistulosa*)
Northern blazing star (*Liatris scariosa*) and other liatris – great nectar plants
Great blue lobelia (*Lobelia syphilitica*) - nectar
Culver's root (*Veronicastrum virginicum*) – good nectar plant
Canada violet (*Viola canadensis*) – a caterpillar food plant for some butterflies
Jack-in-the-pulpit (*Arisaema triphyllum*)
Wild ginger (*Asarum canadense*) – nice groundcover
Blue false indigo (*Baptisia australis*)
Blue cohosh (*Caulophyllum thalictroides*)
Wild geranium (*Geranium maculatum*)
Alumroot (*Heuchera americana*)
Rose mallow (*Hibiscus moscheutos*)
Northern blue flag (*Iris versicolor*) – good for moist areas
Cardinal flower (*Lobelia cardinalis*) – moist areas - hummingbird favorite
Oswego tea (*Monarda didyma*) – The monardas are great nectar plants
Wild bergamot (*Monarda fistulosa*)
Beardtongue (*Penstemon digitalis*) - nectar
Obedient plant (*Physostegia virginiana*) – but can spread!
Jacob's ladder (*Polemonium reptans*)
Bloodroot (*Sanguinaria canadensis*)
Foamflower (*Tiarella cordifolia*)

Additional Ferns

Maidenhair fern (*Adiantum pedatum*)
Sensitive fern (*Onoclea sensibilis*) – can spread quite a bit
Christmas fern (*Polystichum acrostichoides*)
New York fern (*Thelypteris noveboracensis*)

Additional Vines

Trumpet honeysuckle (*Lonicera sempervirens*) – **NOT** Japanese varieties!

Additional Shrubs and Trees

Inkberry (*Ilex glabra*) – need at least one male for females
American mountain ash (*Sorbus americana*)
Red chokeberry (*Aronia arbutifolia*, renamed *Photinia pyrifolia*)
Black chokeberry (*Aronia melanocarpa*, renamed *Photinia melanocarpa*)
Sweet spire (*Itea virginica*) – (native south of NY)
Ninebark (*Physocarpus opulifolius*)
Rhododendron (*Rhododendron canadense*)
Fragrant sumac (*Rhus aromatica*) – need at least one male for females
Arborvitae (*Thuja occidentalis*)
Eastern hemlock (*Tsuga canadensis*)

Invasive Plants to AVOID and ELIMINATE

*“When a non-native species escapes into natural areas, there is a measurable chance that it will be able to grow faster and reproduce more successfully than the native vegetation in the area... Typically it takes decades for the population of the escapees to build to the point where we start to notice... By that time, they have become invasive species that expand their populations at exponential rates... Many gardeners vigorously oppose the notion that their beloved garden plants can and do escape from cultivation... What most gardeners do not see is the local mockingbird or migrating warbler swoop down, pluck a berry from the bush, and fly off...(T)he bird will perch ...and relieve itself of the load of alien seeds in its gut. If any of the seeds germinate the following spring, the escape from your garden is complete... Aliens that do not produce animal-dispersed fruits or nuts rely on the wind to carry their seeds.” ~ Douglas Tallamy, *Bringing Nature Home**

Some invasive plants are pretty and easy to grow. Why not plant them?

1) They’re degrading our natural areas, threatening the habitat of native plants and wildlife. 2) They can become a problem in urban and suburban landscapes. It is much easier to *prevent* an invasion than to *control* one! This list includes the most commonly-planted invasive plants. There are others (see websites below).

Some native plants spread all over my yard. Aren’t they invasive?

Some native plants (e.g. jewelweed or New England aster) can indeed enthusiastically spread in your yard. This might be annoying, but they aren’t a threat to the greater ecosystem as are what are officially called invasive plants.

Instead of the invasive plants in the following list, plant the suggested alternatives (ALT). (Botanical names on the back of this paper)

Trees

Norway maple - **ALT:** American beech, sugar maple, black gum, red maple,
Autumn/ Russian olive– **ALT:** spicebush, No. bayberry, gray dogwood, winterberry
Bradford pear- **ALT:** redbud, serviceberry, black haw

Vines

Japanese honeysuckle-**ALT:** trumpet creeper, trumpet or coral honeysuckle
Oriental bittersweet–**ALT:** native bittersweet, trumpet honeysuckle, trumpet creeper
Porcelainberry – **ALT:** virgin’s bower, trumpet creeper, trumpet honeysuckle
English ivy – **ALT:** Va. Creeper, wild ginger, lady fern, creeping phlox, foamflower
Periwinkle (vinca)–**ALT:** Va. creeper, wild ginger, creeping phlox, NY fern

Shrubs

Japanese barberry- **ALT:** clethra, bayberry, highbush blueberry, pasture rose
Japanese bush honeysuckles – **ALT:** bayberry, spicebush, red/black chokeberry
Burning bush- **ALT:** red chokeberry, silky dogwood, itea, highbush blueberry
Butterfly bush (buddleia) – **ALT:** butterflyweed, clethra, itea, liatris, NY ironweed
Japanese spirea – **ALT:** clethra, silky dogwood
Multiflora rose- **ALT:** common blackberry, pasture rose, flowering raspberry
Privet- **ALT:** inkberry, spicebush, red or black chokeberry

Herbaceous plants

Dame’s rocket – **ALT:** garden phlox
Purple loosestrife - **ALT:** Joe-pye weed, cardinal flower, NY ironweed, liatris
Japanese knotweed – **ALT:** Goat’s beard, clethra, fragrant sumac, buttonbush
Bamboos – **ALT:** big bluestem, bottlebrush grass, little bluestem, Indian grass
Common daylily – **ALT:** Canada lily, Turk’s cap lily, three-lobed coneflower
Star of Bethlehem – **ALT:** foamflower, bloodroot

Aquatic (sometimes sold for backyard ponds)

Anacharis – **ALT:** Elodea canadensis
Parrot-feather – **ALT:** Coon’s tail (*Ceratophyllum demersum*)
Water chestnut – **ALT:** Floating pondweed (*Potamogeton natans*)

Non-horticultural invasive plants to watch out for and remove

Garlic mustard – If you pull before it goes to seed, you can eradicate it in 5 yrs!
Swallowwort – especially bad for monarch butterflies!
Buckthorn – **ALT:** Grey dogwood, black chokeberry, blackhaw
Mile-a-minute

Websites for native plants and for invasive plants

These websites don’t officially include NYS, but plants are similar:

IMPORTANT: Make sure the “invasive” you’re about to remove is not a native look-alike! Check “*Mistaken Identity*” NY Botanic Gardens (free download):
www.nybg.org/files/scientists/rnaczi/Mistaken_Identity_Final.pdf

Native Plants for Wildlife Habitat and Conservation Landscaping
<http://www.nps.gov/plants/pubs/chesapeake/> (free download)

Lady Bird Johnson Wildflower Center

<http://www.wildflower.org> - Includes plants native to the Northeast

Plant Invaders of Mid-Atlantic Natural Areas

www.nps.gov/plants/alien/pubs/midatlantic (free download)

Info on native alternatives to invasive plants and how to eradicate invasives.

Recommended Books

Bringing Nature Home by Douglas Tallamy

The Living Landscape by Rick Darke and Douglas Tallamy

Native Plants of the Northeast by Donald Leopold

Designing Gardens with Flora of the American East by Carolyn Summers

Attracting Native Pollinators by Xerces Society

Noah’s Garden and *Planting Noah’s Garden* by Sara Stein

Habitat Gardening in Central New York A chapter of Wild Ones

HGCNY promotes the use of native plants and natural landscaping to preserve biodiversity for the benefit of wildlife and people.

Our monthly meetings are free and open to the public.

www.hgcny.org (315) 487-5742 **hg.cny@verizon.net**

Sample CNY habitat garden: **www.ourhabitatgarden.org**