

**Commission General Planting Recommendations and
List of Acceptable and Unacceptable Plants**
(ver. 9/12/10, rev. 8-20-14)

Native plants are more drought tolerant than nonnative species, are adapted to our local environment, maintain natural ecological diversity, perpetuate fast disappearing native genotypes, and comprise a form of habitat restoration.

Planting, vegetation and reforestation requirements should be tailored to individual sites so as to re-establish as much as possible the appropriate Long Island ecological community type(s).

General Planting Specifications:

These General Planting Specifications should be considered as guidelines and sizes, types of vegetation and planting configuration can be varied to address the constraints and parameters of a particular project site and to achieve restoration goals for a particular project site.

- Deciduous Trees: 2 ½ – 3 ½ inches caliper, 10 feet on center, balled and burlapped
Evergreen Trees: only pitch pines and American holly, not white pines); minimum 4-5 feet in height, balled and burlapped
- Shrubs: minimum 2-3 gallon container or, where required, 4-6 gallon container grown, 4 feet on center.
- Groundcovers: minimum 1 gallon container grown, 2 feet on center.
- Natural grasses: plugs only, 12 inches on center.
- Notes: - Mulching with native leaf litter, pine needles, or finely shredded wood is desirable.
 - Temporary irrigation but typically, no permanent irrigation, may be useful.
 - An 85 % or better survival rate over 2-5 years, is a desirable measure.
 - Allowance may be made for supplementation with native wildflowers 12 inches on center.

Recommended native trees:

Acer rubrum	Red Maple
Alnus rugosa	Speckled Alder
Alnus serrulata	Common Alder
Amelanchier canadensis	Shadbush
Betula lenta	Black Birch
Betula populifolia	Gray Birch
Carpinus caroliniana	American Hornbeam or Ironwood
Carya glabra	Pignut Hickory

Celtis occidentalis	Hackberry
Cornus florida	Flowering Dogwood
Crataegus crusgalli	Hawthorne
Diospyros virginiana	Persimmon
Fagus grandifolia	American Beech
Fraxinus americana	White Ash
Hamamelis virginiana	Witch Hazel
Ilex opaca	American Holly
Juniperus virginiana	Eastern Red Cedar
Liquidambar styraciflua	Sweet Gum
Liriodendron tulipifera	Tulip Tree
Magnolia virginiana	Swamp Magnolia or Sweet Bay Magnolia
Nyssa sylvatica	Black Gum
Pinus rigida	Pitch Pine
Populus tremuloides	Quaking Aspen
Prunus serotina	Black Cherry
Quercus alba	White Oak
Quercus bicolor	Swamp White Oak
Quercus coccinea	Scarlet Oak
Quercus ilicifolia	Scrub Oak
Quercus prinus	Chestnut Oak
Quercus rubra	Red Oak
Quercus stellata	Post Oak
Quercus velutina	Black Oak
Sassafras albidum	Sassafras
Tilia americana	American Linden

Recommended native shrubs:

Amelanchier canadensis	Shadbush
Aronia arbutifolia	Red Chokeberry
Aronia melanocarpa	Black Chokeberry
Clethra alnifolia	Sweet Pepperbush
Comptonia peregrina	Sweetfern
Gaylussacia baccata	Black Huckleberry
Ilex glabra	Inkberry
Ilex verticillata	Winterberry
Kalmia angustifolia	Sheep Laurel
Kalmia latifolia	Mountain Laurel
Leucothoe racemosa	Fetterbush
Lindera benzoin	Spicebush
Lyonia ligustrina	Maleberry
Lyonia mariana	Staggerbush

<i>Myrica pensylvanica</i>	Bayberry
<i>Myrica pensylvanica</i>	Northern Bayberry
<i>Prunus maritima</i>	Beach Plum
<i>Rhododendron viscosum</i>	Swamp Azalea
<i>Rhus copallina</i>	Shining Sumac
<i>Rosa palustris</i>	Swamp Rose
<i>Rosa virginiana</i>	Pasture Rose
<i>Rosa virginiana</i>	Virginia Rose
<i>Rubus allegheniensis</i>	Northern Blackberry
<i>Salix discolor</i>	Pussy Willow
<i>Sambucus canadensis</i>	American Elder
<i>Spirea latifolia</i>	Spirea or Steeplebush
<i>Vaccinium corymbosum</i>	Highbush Blueberry
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum
<i>Viburnum dentatum</i>	Arrowwood
<i>Viburnum lentago</i>	Nannyberry
<i>Viburnum nudum</i>	Witherod
<i>Viburnum prunifolium</i>	Black Haw
<i>Viburnum recognitum</i>	Northern Arrowwood

Recommended native grasses, wildflowers, groundcovers, etc.:

<i>Aguilegia canadensis</i>	Wild Columbine
<i>Andropogon gerardi</i>	Big Bluestem
<i>Andropogon scoparius</i>	Little Bluestem
<i>Andropogon virginicus</i>	Broom Sedge
<i>Arctostaphylos uva-ursi</i>	Bearberry
<i>Asclepias tuberosa</i>	Butterfly Weed
<i>Aster linariifolius</i>	Stiff Aster
<i>Aster novae-angliae</i>	New England Aster
<i>Aster novi-belgii</i>	New York Aster
<i>Baptisa tinctoria</i>	Wild Indigo
<i>Carex pensylvanica</i>	Pennsylvania Sedge
<i>Dennstaedtia punctilobula</i>	Hay-scented Fern
<i>Deschampsia flexuosa</i>	Common Hairgrass
<i>Dryopteris cristata</i>	New York Fern
<i>Epigaea repens</i>	Trailing Arbutus
<i>Gaultheria procumbens</i>	Wintergreen
<i>Geranium maculatum</i>	Wild Geranium
<i>Hudsonia ericoides</i>	Golden Heather
<i>Liatris spicata</i>	Blazing Star
<i>Lobelia cardinalis</i>	Cardinal Flower
<i>Lupinus perennis</i>	Blue Lupine

<i>Maianthemum canadense</i>	Canada Mayflower
<i>Monarda didyma</i>	Beebalm
<i>Monarda fistulosa</i>	Bergamot
<i>Monarda punctata</i>	Horsemint
<i>Onoclea sensibilis</i>	Sensitive Fern
<i>Osmunda cinnamomea</i>	Cinnamon Fern
<i>Osmunda regalis</i>	Royal Fern
<i>Parthenocissus quinquefolia</i>	Virginia Creeper
<i>Pteridium aquilinum</i>	Bracken Fern
<i>Sisyrinchium angustifolium</i>	Blue-eyed Grass
<i>Solidago species</i>	Goldenrod
<i>Vaccinium angustifolium</i>	Lowbush Blueberry
<i>Vernonia noveboracensis</i>	New York Ironweed
<i>Viola pendata</i>	Birds Foot Violet

Invasive, nonnative plants specifically not recommended acceptable:

<i>Acer platanoides</i>	Norway Maple
<i>Acer pseudoplatanus</i>	Sycamore Maple
<i>Ailanthus altissima</i>	Tree of Heaven
<i>Akebia quinata</i>	Chocolate Vine
<i>Albezia julibrissin</i>	Mimosa
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Ampelopsis brevipedunculata</i>	Porcelain Berry Vine
<i>Anthriscus sylvestris</i>	Wild Chervil
<i>Aralia elata</i>	Japanese Angelica Tree
<i>Artemisia vulgaris</i>	Mugwort or Common Wormwood
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Cabomba caroliniana</i> A. Gray	Cabomba or Carolina Fanwort
<i>Cardamine impatiens</i> L.	Narrowleaf Bittercress
<i>Carduus nutans</i>	Nodding Thistle
<i>Caulerpa taxifolia</i>	Marine Killer Algae
<i>Celastrus orbiculatus</i>	Asiatic or Oriental Bittersweet
<i>Centaurea maculosa</i> (biebersteinii)	Spotted Knapweed
<i>Cirsium arvense</i>	Canada Thistle
<i>Cirsium vulgare</i>	Bull Thistle
<i>Clematis terniflora</i>	Yam Leaf Clematis
<i>Coronilla varia</i>	Crown Vetch
<i>Cynanchum louiseae</i> nigrum a/k/a <i>Vincetoxicum nigrum</i>	Black Swallow Wort
<i>Cynanchum rossicum</i> a/k/a <i>Vincetoxicum rossicum</i>	Pale Swallow Wort
<i>Datura stramonium</i>	Jimsonweed

<i>Egeria densa</i>	Brazilian Water Weed
<i>Eleagnus angustifolia</i>	Russian Olive
<i>Eleagnus umbellata</i>	Autumn Olive
<i>Euonymus alata</i>	Winged Burning Bush
<i>Euphorbia cyparissias</i>	Cypress Spurge
<i>Euphorbia esula</i>	Leafy Spurge
<i>Froelichia gracilis</i> (Hook. Moq.)	Cottonweed
<i>Glaucium flavum</i> Crantz	Sea Poppy or Yellow Horned Poppy
<i>Glossostigma diandrum</i>	Mudmat
<i>Hedera helix</i>	English Ivy
<i>Heracleum mantegazzianum</i>	Giant Hogweed
<i>Hermerocallis fulva</i>	Day Lily
<i>Hesperis matronalis</i> L.	Dame's Rocket
<i>Humulus japonicus</i>	Japanese Hops
<i>Hydrilla verticillata</i>	Hydrilla
<i>Hydrocharis morsus-ranae</i>	European Frog Bit (aquatic)
<i>Impatiens glandulifera</i> royle	Tall Impatiens or Purple Balsam
<i>Lepidium latifolium</i>	Tall Pepperweed or Perennial Pepperweed
<i>Lespedeza cuneata</i>	Himalayan Bushclover
<i>Ligustrum obtusifolium</i> Sie.& Zucc	Border Privet
<i>Ligustrum sinense</i>	Chinese Privet
<i>Lonicera bella</i>	Bell's Honeysuckle
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera maackii</i>	Amur Honeysuckle
<i>Lonicera morrowii</i>	Morrow's Honeysuckle
<i>Lonicera</i> spp.	Bush Honeysuckle
<i>Lonicera tartarica</i>	Tartarian Honeysuckle
<i>Lonicera xylosteum</i> L.	Dwarf Fly Honeysuckle
<i>Ludwigia hexapetala</i>	Water Primrose
<i>Ludwigia peploides</i>	Floating Primrose Willow or Water Purslane
<i>Lythrum salicaria</i>	Purple Loosestrife
<i>Microstegium vimineum</i>	Japanese Stiltgrass
<i>Miscanthus sinensis</i>	Eulalia or Chinese Silvergrass
<i>Morus Alba</i>	White Mulberry
<i>Myosotis scorpioides</i> L.	Forget-me-not (aquatic)
<i>Myriophyllum aquaticum</i> (Vell.) Verdc a/k/a <i>M. brasilense</i>	Parrot Feather or Brazilian Water Milfoil
<i>Myriophyllum spicatum</i> L.	Eurasian Water Milfoil
<i>Najas minor</i> Allioni	Eutrophic Water Nymph
<i>Nasturtium officinale</i>	Watercress
<i>Nelumbo nucifera</i>	Pink Lotus
<i>Nymphoides peltata</i>	Yellow Floating Heart

<i>Paulownia tomentosa</i>	Princess Tree
<i>Phalaris arundinacea</i> L.	Reed Canary Grass
<i>Phragmites australis</i>	Common Reed Grass (non native genotype)
<i>Phyllostachys</i> spp.	Bamboo
<i>Pinus nigra</i>	Black Pine
<i>Polygonum cuspidatum</i>	Mexican Bamboo or Japanese Knotweed
<i>Polygonum perfoliatum</i>	Mile A Minute Vine
<i>Polygonum sachaliensis</i> (Fallopia)	Giant Knotweed
<i>Potamogeton crispus</i> L.	Curly Leaf Pondweed
<i>Pueraria lobata</i>	Kudzu
<i>Pyrus calleryana</i>	Bradford Pear
<i>Ranunculus ficaria</i>	Lesser Celandine
<i>Rhamnus cathartica</i>	Common Buckthorn
<i>Robina pseudoacacia</i>	Black Locust
<i>Rosa multiflora</i>	Multiflora Rose
<i>Rosa rugosa</i>	Rugosa Rose or Salt Spray Rose
<i>Rubus phoenicolasias</i> Maxim.	Wineberry
<i>Rudbeckia hirta</i>	Black Eyed Susan
<i>Salvinia molesta</i>	Giant Salvinia or Chinese Lespedeza
<i>Senecio jacobaea</i>	Tansy Ragwort or Stinking Willie
<i>Silphium perfoliatum</i> L.	Cup Plant
<i>Solanum dulcamara</i>	Climbing Nightshade
<i>Trapa natans</i>	Water Chestnut
<i>Verbascum thapsus</i>	Common Mullein
<i>Vinca minor</i>	Periwinkle
<i>Vitex rotundifolia</i> L. F.	Beach Vitex or Roundleaf Chastetree
<i>Wisteria</i> spp.	Wisteria