



CONSERVATION DEPARTMENT
PLANTING GUIDE

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Planting Plan Requirements

All planting plans prepared for the Conservation Department are to show the following information.

- Survey of property. Maximum scale is 1"= 20'-0". Smaller scale, 1"=10'-0" is also acceptable.
- Designer of the plan, address and phone number
- Address of property and property owner name
- Scale of drawing
- Date of drawing
- Title of drawing
- North arrow
- Adjoining streets
- Wetland limits and 20' non-disturbance buffer
- Waterway Protection Line Boundary
- Existing vegetation within regulated limits (8" caliber and higher)
- Proposed vegetation within regulated limits
- Plant species, common name and latin name
- Quantities of proposed plant material
- On center spacing
- Plant material size
- Planting details
- Methodology of plant installation
- Any notes that are specific to the planting on the particular property (i.e. time of year, on site monitor, Conservation Department to be contacted prior to work commencement and after installation, etc.)
- All plants to be guaranteed for one year by contractor.
- Erosion control as appropriate. Detail of methodology.

Guidelines for Planting Densities Done in Conjunction with Invasive Plant Removal

- Herbaceous **Plug** Plants should be planted 4" to 12" on center depending on the plant's growth habit. Use closer spacing for tall, narrow plants and wider spacing for low spreading plants.
- Herbaceous **Container** Plants (1 – 2 year old vigorous plants) can be planted 8" to 24" on center depending on the plant's growth habit.
- Woody plants **less than 1" cal** that form clonal colonies (shrub dogwoods, clethra, etc.) can be planted at 2' to 4' on center depending on the plant's growth habit.
- **Larger** clonal woody plants can be planted 2' to 6' on center depending on the plant's growth habit.
- Non-clonal woody plants **less than 1" cal** can be planted 1.5' to 3' on center depending on the plant's growth habit.
- **Larger** non-clonal woody plants can be planted 1.5' to 5' on center depending on the plant's growth habit.

The Conservation Department recommends the use of the Northeast Organic Farmer's Association guidelines for Organic Land Care. For more information ask for a brochure or go to www.organiclandcare.net.

Press Release

Public Act 03-136 entitled, “An Act Concerning Invasive Plants” was passed by the Connecticut State Legislature in 2003 because of the urgent need to control the spread of invasive plantings within the state that tend to dominate an ecosystem thereby crowding out native species and creating a monoculture. These pervasive plantings also tend to limit the diversity of wildlife that can be found within that habitat as well.

A second bill was passed in June of 2004 and has made it illegal to import, move sell, purchase, transplant, cultivate or distribute certain invasive plant species. The Act, entitled, “An Act Concerning Fines for Banned Invasive Plants,” (Public Act No. 04-023, Senate Bill No. 547) also assigned a fine of not more than \$100 per plant for any person who violates the provisions of this section.

**Plases take notice of the current list of invasive species identified by the CT
Invasive Plants Council on the following two pages.**

CONNECTICUT INVASIVE PLANT LIST

October 2018

Connecticut Invasive Plants Council

Ordered by Scientific Name

Statement to accompany list -- January 2004: This is a list of species that have been determined by floristic analysis to be invasive or potentially invasive in the state of Connecticut, in accordance with PA 03-136. The Invasive Plants Council will generate a second list recommending restrictions on some of these plants. In developing the second list and particular restrictions, the Council will recognize the need to balance the detrimental effects of invasive plants with the agricultural and horticultural value of some of these plants, while still protecting the state's minimally managed habitats.

In May 2004, Public Act 04-203 restricted a subset of the January 2004 list making it illegal to move, sell, purchase, transplant, cultivate or distribute prohibited plants. Effective July 1, 2009, Public Act 09-52 removed the prohibition on *Pistia stratiotes*.

@ column indicates growth form or habitat: A = Aquatic & Wetland; G = Grass & Grass-like; H = Herbaceous; S = Shrub; T = Tree; V = Woody Vine

Explanation of symbols after Common Name:

(P) indicates Potentially Invasive (all other plants listed are considered Invasive in Connecticut)

* denotes that the species, although shown by scientific evaluation to be invasive, has cultivars that have not been evaluated for invasive characteristics. Further research may determine whether or not individual cultivars are potentially invasive. Cultivars are commercially available selections of a plant species that have been bred or selected for predictable, desirable attributes of horticultural value such as form (dwarf or weeping forms), foliage (variegated or colorful leaves), or flowering attributes (enhanced flower color or size).

"PROHIBITED BY STATUTE?" column indicates prohibited status: Y= prohibited from importation, movement, sale, purchase, transplanting, cultivation and distribution under CT Gen. Stat. §22a-381d; N/A= not prohibited

^ indicates species that are not currently known to be naturalized in Connecticut but would likely become invasive here if they are found to persist in the state without cultivation

The taxonomic names used by the Connecticut Invasive Plants Council on the Invasive Plant List are consistent with the names used by the United States Department of Agriculture PLANTS database, accessible online at www.plants.usda.gov. The Council also maintains a list of scientific name synonyms for reference purposes.

COMMON NAME	@	SCIENTIFIC NAME	SYNONYMS	PROHIBITED BY STATUTE?
Amur maple (P)	T	<i>Acer ginnala</i> Maxim.		N/A
Norway maple*	T	<i>Acer platanoides</i> L.		N/A
Sycamore maple (P)	T	<i>Acer pseudoplatanus</i> L.		Y
Goutweed	H	<i>Aegopodium podagraria</i> L.	Bishop's weed	Y
Tree of heaven	T	<i>Ailanthus altissima</i> (Mill.) Swingle		Y
Garlic mustard	H	<i>Alliaria petiolata</i> (M. Bieb.) Cavara & Grande		Y
False indigo (P)	S	<i>Amorpha fruticosa</i> L.		Y
Porcelainberry*	V	<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.	Amur peppervine	N/A
Mugwort	H	<i>Artemisia vulgaris</i> L.	Common wormwood	N/A
Hairy jointgrass (P)	G	<i>Arthraxon hispidus</i> (Thunb.) Makino	Small carpgrass	Y
Common kochia (P)	H	<i>Bassia scoparia</i> (L.) A.J. Scott	<i>Kochia scoparia</i> ; Fireweed; Summer cypress	Y
Japanese barberry*	S	<i>Berberis thunbergii</i> DC.		N/A
Common barberry	S	<i>Berberis vulgaris</i> L.		Y
Drooping brome-grass (P)	G	<i>Bromus tectorum</i> L.	Cheatgrass	Y
Flowering rush (P)	A	<i>Butomus umbellatus</i> L.		Y
Fanwort	A	<i>Cabomba caroliniana</i> A. Gray	Carolina fanwort	Y
Pond water-starwort (P)	A	<i>Callitriche stagnalis</i> Scop.		Y
Narrowleaf bittercress	H	<i>Cardamine impatiens</i> L.		Y
Japanese sedge^ (P)	G	<i>Carex kobomugi</i> Ohwi		Y
Oriental bittersweet	V	<i>Celastrus orbiculatus</i> Thunb.	Asiatic bittersweet	Y
Spotted knapweed	H	<i>Centaurea stoebe</i> L.	<i>Centaurea biebersteinii</i> ; <i>Centaurea maculosa</i>	Y
Canada thistle (P)	H	<i>Cirsium arvense</i> (L.) Scop.		Y
Black swallow-wort	H	<i>Cynanchum louiseae</i> Kartesz & Gandhi	<i>Cynanchum nigrum</i> ; <i>Vincetoxicum nigrum</i>	Y
Pale swallow-wort	H	<i>Cynanchum rossicum</i> (Kleoe.) Borhidi	<i>Vincetoxicum rossicum</i>	Y
Jimsonweed (P)	H	<i>Datura stramonium</i> L.		Y
Brazilian water-weed (P)	A	<i>Egeria densa</i> Planchon	Anacharis; Egeria	Y
Common water-hyacinth^ (P)	A	<i>Eichhornia crassipes</i> (Mart.) Solms		N/A
Russian olive (P)	S	<i>Elaeagnus angustifolia</i> L.		Y
Autumn olive	S	<i>Elaeagnus umbellata</i> Thunb.		Y
Crested late-summer mint (P)	H	<i>Elsholtzia ciliata</i> (Thunb.) Hylander	Elsholtzia	Y
Winged euonymus*	S	<i>Euonymus alatus</i> (Thunb.) Sieb.	Burning bush	N/A
Cypress spurge (P)	H	<i>Euphorbia cyparissias</i> L.		Y
Leafy spurge	H	<i>Euphorbia esula</i> L.		Y
Glossy buckthorn	S	<i>Frangula alnus</i> Mill.	<i>Rhamnus frangula</i> ; European buckthorn	N/A
Slender snake cotton	H	<i>Froelichia gracilis</i> (Hook.) Moq.	Cottonweed	Y
Ground ivy (P)	H	<i>Glechoma hederacea</i> L.	Gill-over-the-ground; Run-away robin	Y
Reed mannagrass^ (P)	G	<i>Glyceria maxima</i> (Hartm.) Holmb.	Tall mannagrass	Y
Giant hogweed (P)	H	<i>Heracleum mantegazzianum</i> (Sommer & Levier)		Y

Dame's rocket	H	<i>Hesperis matronalis</i> L.		Y
Japanese hops (P)	H	<i>Humulus japonicus</i> Sieb. & Zucc.	Japanese hop	Y
Hydrilla	A	<i>Hydrilla verticillata</i> (L.f.) Royle	Water thyme	Y
Ornamental jewelweed (P)	H	<i>Impatiens glandulifera</i> Royle	Tall impatiens	Y
Yellow iris	A	<i>Iris pseudacorus</i> L.	Yellow flag iris; Pale yellow iris	Y
Perennial pepperweed	H	<i>Lepidium latifolium</i> L.	Tall pepperwort	Y
Border privet (P)	S	<i>Ligustrum obtusifolium</i> Sieb. & Zucc.		Y
California privet (P)	S	<i>Ligustrum ovalifolium</i> Hassk.		N/A
European privet (P)	S	<i>Ligustrum vulgare</i> L.		N/A
Japanese honeysuckle*	V	<i>Lonicera japonica</i> Thunb.		Y
Amur honeysuckle	S	<i>Lonicera maackii</i> (Rupr.) Herder		Y
Morrow's honeysuckle	S	<i>Lonicera morrowii</i> A. Gray		Y
Tatarian honeysuckle (P)	S	<i>Lonicera tatarica</i> L.		Y
Belle honeysuckle	S	<i>Lonicera x bella</i> Zabel	Bell's honeysuckle (<i>misapplied</i>)	Y
Dwarf honeysuckle^ (P)	S	<i>Lonicera xylosteum</i> L.	European fly-honeysuckle	Y
Ragged robin (P)	H	<i>Lychnis flos-cuculi</i> L.		Y
Moneywort* (P)	H	<i>Lysimachia nummularia</i> L.	Creeping jenny	N/A
Garden loosestrife* (P)	H	<i>Lysimachia vulgaris</i> L.	Garden yellow loosestrife	Y
Purple loosestrife	A	<i>Lythrum salicaria</i> L.		Y
European watercress (P)	A	<i>Marsilea quadrifolia</i> L.	Water shamrock	Y
Japanese stilt grass	G	<i>Microstegium vimineum</i> (Trin.) A. Camus		Y
Eulalia* (P)	G	<i>Miscanthus sinensis</i> Andersson	Chinese or Japanese silvergrass	N/A
Forget-me-not	A	<i>Myosotis scorpioides</i> L.	True forget-me-not; Water scorpion-grass	Y
Parrotfeather (P)	A	<i>Myriophyllum aquaticum</i> (Vell.) Verdc.		Y
Variable-leaf watermilfoil	A	<i>Myriophyllum heterophyllum</i> Michx.		Y
Eurasian watermilfoil	A	<i>Myriophyllum spicatum</i> L.		Y
Brittle water-nymph (P)	A	<i>Najas minor</i> All.	Eutrophic water-nymph	Y
Onerow yellowcress (P)	A	<i>Nasturtium microphyllum</i> Boenn. ex Rchb.	<i>Rorippa microphylla</i>	Y
Watercress (P)	A	<i>Nasturtium officinale</i> W.T. Aiton	<i>Rorippa nasturtium-aquaticum</i>	Y
American water lotus (P)	A	<i>Nelumbo lutea</i> Willd.	American water lotus	Y
Yellow floating heart (P)	A	<i>Nymphoides peltata</i> (S.G. Gmel.) Kuntze		Y
Scotch thistle (P)	H	<i>Onopordum acanthium</i> L.		Y
Star-of-Bethlehem (P)	H	<i>Ornithogalum umbellatum</i> L.		N/A
Princess tree (P)	T	<i>Paulownia tomentosa</i> (Thunb.) Siebold & Zucc. ex Steud.	Empress-tree	Y
Reed canary grass	G	<i>Phalaris arundinacea</i> L.		N/A
Common reed	G	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Phragmites	Y
Water lettuce^ (P)	A	<i>Pistia stratiotes</i> L.		N/A
Canada bluegrass (P)	G	<i>Poa compressa</i> L.		Y
Bristled knotweed	H	<i>Polygonum caespitosum</i> Blume	<i>Persicaria longiseta</i> ; Oriental lady's thumb	Y
Japanese knotweed	H	<i>Polygonum cuspidatum</i> Siebold & Zucc.	<i>Fallopia japonica</i>	Y
Mile-a-minute vine	H	<i>Polygonum perfoliatum</i> L.	<i>Persicaria perfoliata</i>	Y
Giant knotweed (P)	H	<i>Polygonum sachalinense</i> F. Schmidt ex Maxim.	<i>Fallopia sachalinense</i>	Y
White poplar (P)	T	<i>Populus alba</i> L.		Y
Crispy-leaved pondweed	A	<i>Potamogeton crispus</i> L.	Curly pondweed or Curly-leaved pondweed	Y
Kudzu (P)	V	<i>Pueraria montana</i> (Lour.) Merr.	<i>Pueraria lobata</i>	Y
Fig buttercup	H	<i>Ranunculus ficaria</i> L.	Lesser celandine; <i>Ficaria verna</i>	Y
Common buckthorn	S	<i>Rhamnus cathartica</i> L.		Y
Black locust*	T	<i>Robinia pseudoacacia</i> L.		N/A
Multiflora rose	S	<i>Rosa multiflora</i> Thunb.		Y
Rugosa rose* (P)	S	<i>Rosa rugosa</i> Thunb.*	Beach, Salt spray, Japanese, or Ramanas Rose	N/A
		*Note: This plant is especially aggressive in coastal areas		
Wineberry	S	<i>Rubus phoenicolasius</i> Maxim.		Y
Sheep sorrel (P)	H	<i>Rumex acetosella</i> L.		Y
Giant salvinia^ (P)	A	<i>Salvinia molesta</i> Mitchell		Y
Tansy ragwort^ (P)	H	<i>Senecio jacobaea</i> L.	Stinking Willie	Y
Cup plant (P)	H	<i>Silphium perfoliatum</i> L.		Y
Bittersweet nightshade (P)	H	<i>Solanum dulcamara</i> L.	Climbing nightshade	Y
Water chestnut	A	<i>Trapa natans</i> L.		Y
Coltsfoot	H	<i>Tussilago farfara</i> L.		Y
Garden heliotrope (P)	H	<i>Valeriana officinalis</i> L.	Garden Valerian	Y

Invasive or Potentially Invasive Exotics

Acer platanoides (Norway Maple)
Acer pseudoplatanus (Sycamore Maple)

Ailanthus altissima (Tree of Heaven)

Akebia quinata (Akebia)

Albizia julibrissin (Silk tree)

Alnus glutinosa (European alder)

Ampelopsis brevipedunculata (Porcelainberry)

Berberis thunbergii (Japanese Barberry)
Berberis vulgaris (European Barberry)

Possible Native Substitutes

Acer leucoderme (Chalk Maple)
Acer macrophyllum (Bigleaf Maple)
Acer rubrum (Red Maple)
Aesculus flava (Yellow Buckeye)
Betula allegheniensis (Yellow Birch)
Betula nigra (River Birch)
Celtis laevigata (Sugarberry)
Fagus grandifolia (American Beech)
Fraxinus pennsylvanica (Green Ash)
Gynocladus dioicus (Kentucky Coffeetree)
Liquidambar styraciflua (Sweetgum)
Liriodendron tulipifera (Tulip Tree)
Quercus bicolor (Swamp White Oak)
Quercus palustris (Pin Oak)

Acer negundo (Box Elder)
Amelanchier arborea (Downy Serviceberry)
Amelanchier lacvii (Allegheny Serviceberry)
Aralia spinosa (Hercules Club)
Carya illinoensis (Pecan)
Diospyros virginiana (Persimmon)
Gymnocladus dioicus (Kentucky Coffeetree)
Juglans nigra (Black Walnut)
Juglans microcarpa (Little Walnut)
Maclura pomifera (Osage orange)
Ostrya virginiana (Hop Hornbeam)
Rhus typhina (Staghorn Sumac)
Sassafras albidum (Sassafras)

Bignonia capreolata (Cross-vine)
Gelsemium spp. (Jessamine)
Gymnocladus dioicus (Kentucky Coffeetree)

Cercis canadensis vars. (Redbud)
Glenditsia tricanthos (Honeylocust)
Gynocladus dioicus (Kentucky Coffeetree)

Alnus incana (Speckled Alder)
Alnus seculata (Smooth Alder)
Fothergilla major (Large Fothergilla)

Aristolochia tomentosa (Pipevine)
Gelsemium sempervirens (Carolina Jessamine)
Lonicera sempervirens (Trumpet Honeysuckle)
Parthenocissus quinquefolia (Virginia Creeper)

Callicarpa americana (Beautyberry)
Cercocarpus betuloides (Mountain Mahogany)
Eleanus commutata (Silverberry)
Itea virginica (Sweetspire)
Myrica spp (Bayberry)
Rhododendron vaseyi (Roseshell Azalea)
Symphoricarpos orbiculatus (Coralberry)
Symphoricarpos x chenaultia (Chenault Snowberry)
Vaccinium angustifolium (Lowbush Blueberry)
Vaccinium myrtilloides (Velvetleaf Blueberry)

Invasive or Potentially Invasive Exotics

Betula pendula (European White Birch)

Buddleia davidii (Butterfly Bush)

Buddleia alternifolia (Alternate-leaved Butterfly Bush)

Celastrus orbiculatus (Oriental Bittersweet)

Crataegus monogyna (English Hawthorn)

Cytisus scoparius (Scotch Broom)

Elaeagnus angustifolia (Russian Olive)

Elaeagnus pungens (Thorny Elaengus)

Elaeagnus umbellata (Autumn Olive)

Eucalyptus globulus (Tasmanian Blue Gum)

Euonymus alatus (Burning Bush)

Possible Native Substitutes

Betula nigra (River Birch)

Betula papyrifera (Paper Birch)

Aesculus parviflora (Bottlebrush buckeye)

Callicarpa americana (American beautyberry)

Ceanothus spp. (California Lilac)

Clethra alnifolia (Summersweet)

Cyrilla racemiflora (White Titi)

Diervilla spp. (Bush Honeysuckle)

Hydrangea arborescens (Wild Hydrangea)

Hypericum spp. (St. John's Wort)

Itea virginiana (Sweetspire)

Oxydendrum arboreum (Sourwood)

Rhododendron spp. (Azalea)

Sambucus spp. (Elderberry)

Spiraea spp. (Meadowsweet)

Symphoricarpos spp. (Snowberry)

Viburnum spp. (Viburnum)

Celastrus scandens (American Bittersweet)

Parthenocissus quinquefolia (Virginia Creeper)

Crataegus phaenopyrum (Washington Hawthorn)

Crataegus viridis (Green Hawthorn)

Ceanothus spp. (California Lilac)

Ephedra spp. (Mormon Tea)

Myrica spp. (Bayberry)

Prunus maritima (Beach Plum)

Caenothus spp. (Caenothus)

Cercocarpus spp. (Mountain Mahogany)

Chionanthus virginicus (Fringetree)

Elaeagnus commutatus (Silverberry)

Myrica spp. (Bayberry)

Osmanthus americanus (Wild Olive)

Prunus americana (Wild Plum)

Prunus maritima (Beach Plum)

Prunus monsoniana (Wildgoose Plum)

Quercus ilicifolia (Scrub Oak)

Shepherdia canadensis and *argentea* (Silverberry)

Styrax americanus (American Snowbell)

Styrax platanifolius (Sycamore-leaf Snowbell)

Viburnum prunifolium (Possum Haw)

Arbutus menziesii (Pacific madrone)

Calocedrus decurrens (Insense Cedar)

Quercus lobata (Valley Oak)

Sequoiadendron giganteum (Giant Sequoia)

Amelanchier bartramii (Mountain Serviceberry)

Aronia spp. (Chokeberry)

Clethra alnifolia (Summersweet)

Cornus spp. (Dogwood)

Cotinus obovatus (American Smoketree)

Itea virginica (Sweetspire)

Ilex glabra (Inkberry Holly)

Invasive or Potentially Invasive Exotics

Euonymus fortunei (Wintercreeper)

Frangula alnus (*Rhamnus frangula*) (Glossy buckthorn)
Rhamnus cathartica (Common buckthorn)

Hedera Helix (English Ivy)

Ilex Aquifolium (English Holly)

Ligustrum spp. (Privet)

Lonicera japonica (Japanese Honeysuckle)

Lonicera maackii (Amur Honeysuckle)

Possible Native Substitutes

Ilex vomitoria (Yaupon)
Lindera benzoin (Spicebush)
Vaccinium corymbosum (Highbush Blueberry)
Vaccinium elliotii (Southern Highbush Blueberry)
Viburnum nudum (Witherod)
Viburnum prunifolium (Possum Haw)

see suggestions under *Hedera helix*

Amelanchier canadensis (Shadbush)
Aronia spp. (Chokeberry)
Crateagus spp. (Hawthorn)
Cornus spp. (Dogwood)
Hamamelis spp. (Witch Hazel)
Ilex spp. (Holly)
Lindera benzoin (Spicebush)
Maclura ponifera (Osage Orange)
Nemopanthus mucronatus (Mountain Holly)
Vaccinium corymbosum (Highbush Blueberry)
Viburnum dentatum (Arrowwood)
Viburnum lentago (Nannyberry)
Viburnum nudum (Witherod)

Arctostaphylos uva-ursi (Bearberry)
Arctostaphylos nevadensis (Pinemat)
Decumaria barabara (Wood Vamp)
Gaultheria shallon (Salal)
Gelsemium sempervirens (Carolina Jessamine)
Leucothoe axillaris (Coast Leucothoe)
Leucothoe davisae (Sierra Laurel)
Mahonia nervosa (Longleaf Mahonia)
Mohonia repens (Creeping Mahonia)
Parthenocissus quinquefolia (Virginia Creeper)
Paxistima spp. (Cliff Green)
Vaccinium crassifolium (Creeping Blueberry)
Xanthorhiza simplicissima (Yellowroot)

Arbutus menziesii (Pacific Madrone)
Ilex cassine (Dahoon)
Ilex opaca (American Holly)

Agarista populifolia (Florida Leucothoe)
Ilex cassine (Dahoon)
Ilex glabra (Inkberry Holly)
Ilex vomitoria (Yaupon)
Illicium floridanum (Anise)
Myrica spp. (Bayberry)
Osmanthus americanus (Wild Olive)
Prunus caroliniana (Cherry Laurel)
Rhododendron minus vars. (Carolina Rhododendron)

Lonicera ciliosa (Orange Honeysuckle)
Lonicera dioica (Limber Honeysuckle)
Lonicera flava (Yellow Honeysuckle)
Lonicera sempervirens (Trumpet Honeysuckle)

Aesculus parvifolia (Bottlebrush Buckeye)

Invasive or Potentially Invasive Exotics

Lonicera morrowii (Morrow's Honeysuckle)
Lonicera tatarica (Tartan Honeysuckle)
Lonicera x bella (*morrowii* x *tatarica*) (Hybrid Honeysuckle)

Paulownia tomentosa (Empress Tree)

Populus alba (White Poplar)

Rosa multiflora (Multiflora Rose)

Rosa rugosa (Rugosa Rose)

Rubus discolor (Himalayan Blackberry)
Rubus phoenicolasius (Wineberry)

Spiraea japonica (Japanese Spirea)

Tamarix spp. (Tamarix)

Ulex europaeus (Gorse)

Ulmus pumila (Siberian Elm)

Wisteria floribunda (Japanese Wisteria)
Wisteria sinensis (Chinese Wisteria)

Possible Native Substitutes

Aesculus sylvatica (Painted Buckeye)
Amelanchier spp. (Serviceberry)
Diervilla sessilifolia (Souther Bush Honeysuckle)
Dirca palustris (Leatherwood)
Ilex glabra (Inkberry Holly)
Ilex vomitoria (Yaupon)
Lonicera involucrata (Twinberry)
Nemopanthus mucronatus (Mountain Holly)
Viburnum spp. (Viburnum)

Asimina triloba (Pawpaw)
Catalpa spp. (Catalpa)
Chionanthus virginicus (Fringetree)
Magnolia acuminata (Cucumber tree Magnolia)
Magnolia macrophylla (Bigleaf Magnolia)

Populus tremuloides (Quaking Aspen)

Rosa setigera (Climbing Prairie Rose)

Rosa carolina (Carolina Rose)
Rosa virginiana (Virginia Rose)
Rosa acicularis (Prickly Wild Rose)

Rubus allegheniensis (Allegheny blackberry)
Rubus odoratus (Flowering raspberry)
Rubus occidentalis (Blackcap Raspberry)
Rubus parviflorus (Thimbleberry)
Rubus spectabilis (Salmonberry)

Ceanothus americanus (New Jersey Tea)
Leiophyllum buxifolium (Sand Myrtle)
Spiraea douglasii (Douglas Spirea)
Spiraea splendens (Mountain Spirea)
Spiraea tomentosa (Steeplebush)
Vaccinium uliginosum (Bog Bilberry)

Chilopsis linearis (Desert Willow)
Fallugia paradoxa (Apache Plume)

Ceanthus spp. (California Lilac)
Philadelphus lewisii (Western Mock-orange)
Vaccinium parvifolium (Red Blueberry)

Ulmus alata (Winged Elm)
Ulmus thomasii (Rock Elm)

Campsis radican (Trumpet Creeper)
Wisteria frutescens (American Wisteria)
Wisteria macrostachya (Kentucky Wisteria)

Native Plants Less Likely to be Browsed by Deer

Ferns

Latin Name

Athyrium filix-femina
 Dennstaedtia punctilobula
 Dryopteris carthusiana
 Dryopteris cristata
 Dryopteris marginalis
 Onoclea sensibilis
 Osmunda cinnamomea
 Osmunda claytonia
 Osmunda regalis
 Polystichum acrostichoides
 Thelypteris noveboracensis

Common Name

Lady Fern
 Hay-scented Fern
 Toothed Woodfern
 Crested Woodfern
 Marginal Woodfern
 Sensitive Fern
 Cinnamon Fern
 Interrupted Fern
 Royal Fern
 Christmas Fern
 New York Fern

Condition

Moist to wet soils
 Dry to moist, well drained
 Moist to wet
 Moist to wet
 Moist, well-drained
 Moist to wet
 Wet
 Dry to wet
 Wet
 Dry to moist
 Moist

Grasses

Latin Name

Ammophila breviligulata
 Andropogon gerardi
 Andropogon virginicus
 Calamagrostis canadensis
 Carex crinita
 Carex pensylvanica
 Carex stricta
 Carex vulpinoidea
 Deschampsia cespitosa
 Distichlis spicata
 Elymus hystrix
 Juncus canadensis
 Juncus effusus
 Lersia oryzoides
 Panicum virgatum
 Schizachyrium scoparium
 Scirpus atrovirens
 Scirpus cyperinus
 Scirpus pogens
 Scirpus validus
 Sorghastrum nutans
 Spartina alterniflora
 Spartina patens

Common Name

Beachgrass
 Big Bluestem
 Broomsedge
 Bluejoint
 Crinkled sedge
 Pennsylvania Sedge
 Tussock sedge
 Fox sedge
 Tufted hairgrass
 Saltgrass
 Spreading bottlebrush grass
 Canada rush
 Soft rush
 Rice Cutgrass
 Switchgrass
 Little bluestem
 Black bulrush
 Woolgrass
 Common threesquare
 Great bulrush
 Indian grass
 Saltmarsh cordgrass
 Saltmeadow cordgrass

Condition

Dry, well-drained; sandy
 Dry to wet; adaptable
 Dry to moist; tolerates saturation
 Moist to wet
 Wet; tolerates saturation
 Dry to moist, well drained
 Wet, tolerates saturation
 Wet, tolerates saturation
 Wet, tolerates saturation
 Wet, saline
 Dry to moist, drought tolerant; sandy
 Wet, tolerates saturation
 Wet, tolerates saturation
 Wet, but can tolerate periods of dryness
 Dry to moist, drought tolerant
 Dry to moist, drought tolerant
 Wet, tolerates saturation
 Moist to wet; tolerates inundation
 Wet
 Wet; tolerates saturation
 Dry to moist; drought tolerant
 Wet, requires tidal inundation
 Wet, tolerates some tidal flooding

Perennials

Latin Name

Asclepias incarnata
 Asclepias syriaca
 Asclepias tuberosa
 Aster divaricatus
 Aster cricoides
 Aster linariifolius
 (Asters novae-angliae and novi-belgi are eaten by deer)
 Caltha palustris
 (Chelone glabra is eaten by deer)
 Coreopsis lanceolata
 Eupatorium maculatum
 Eupatorium perfoliatum
 Eupatorium purpureum

Common Name

Swamp milkweed
 Common milkweed
 Butterflyweed
 White wood aster
 Heath aster
 Stiff-leaved aster
 Marsh Marigold
 Lance-leaved coreopsis
 Spotted Joe-Pye weed
 Boneset
 Purple Joe-Pye weed

Condition

Moist to wet, poorly-drained
 Dry, well-drained
 Dry, well-drained
 Moist
 Dry to moist
 Dry to moist, well drained
 Wet, tolerates saturation
 Dry, drought-resistant
 Moist, tolerates periodic saturation
 Moist to wet, tolerates saturation
 Dry to moist

Eupatorium rugosum	Wild Snakeroot	Moist
Geranium maculatum	Wild Geranium	Dry to moist
(Helenium autumnale is eaten by deer.)		
(Helianthus angustifolius, decapetalus, divaricatus, giganteus are eaten by deer)		
(Hibiscus moscheutos is eaten by deer)		
Impatiens capensis	Jewelweed	Moist to wet
Iris versicolor	Blue Flag Iris	Wet, requires saturation
Lespedeza capitata	Round-headed bushclover	Dry, well-drained soils
(Liatris spicata is eaten by deer)		
Linaria canadensis	Blue Toadflax	Dry, well-drained; sandy soil
(Lobelia cardinalis and siphilitica are eaten by deer)		
Lupinus perennis	Wild blue lupine	Dry, well-drained
Maianthemum canadense	Canada mayflower	Moist, acidic
Mitchella repens	Partridgeberry	Dry to moist
Monarda didyma	Oswego tea	Moist to wet
Monarda fistulosa	Wild bergamot	Dry, fairly drought-tolerant
Monarda punctata	Horsemint	Dry, well-drained; sandy soils
Ocnothera biennis	Evening Primrose	Dry to moist, well-drained
Ocnothera fruticosa	Sundrops	Dry to moist
Penstemon digitalis	White Beardtongue	Moist, will tolerate wet
Podophyllum peltatum	Mayapple	Moist, rich woodland soil
Pontederia cordata	Pickerelweed	Wet, requires standing water
(Rudbeckia hirta, triloba are eaten by deer)		
Sagittaria latifolia	Arrowhead	Wet, good for pond edge
(Smilacina racemosa is eaten by deer)		
Solidago odora	Scented goldenrod	Dry to moist; sandy
Solidago rugosa	Rough-leaved goldenrod	Dry to moist; well-drained
Solidago sempervirens	Seaside goldenrod	Dry, saline
Solidago speciosa	Showy goldenrod	Dry to moist, very drought tolerant
Tiarella cordifolia	Foam Flower	Moist, well-drained
Tradescantia virginiana	Spiderwort	Moist, well-drained
Typha angustifolia	Narrow-leaved cattail	Wet, requires standing water
Typha latifolia	Broad-leaved cattail	Wet, requires standing water
Vernonia noveboracensis	New York ironweed	Moist to wet

Deciduous Shrubs

Latin Name

Amelanchier canadensis
Aronia arbutifolia
Aronia melanocarpa
Ceanothus americanus
Cephalanthus occidentalis
Clethra alnifolia
Cornus amomum
Cornus racemosa
Cornus sericea
Diervilla lonicera
Gaylussaccia baccata
Ilex verticillata
Lindera benzoin
Prunus maritima
Rhodendron periclymenoides
Rhodendron viscosum
Rhus copallinum
Rhus glabra
Rhus typhina
Rosa carolina
Rosa palustris
Rubus allegheniensis

Common Name

Shadblow
Red Chokeberry
Black Chokeberry
New Jersey Tea
Button Bush
Sweetpepper Bush
Silky Dogwood
Gray Dogwood
Redosier Dogwood
Bush Honeysuckle
Black Huckleberry
Winterberry
Spicebush
Beach Plum
Pinxter Azalea
Swamp Azalea
Shining Sumac
Smooth Sumac
Staghorn Sumac
Pasture Rose
Swamp Rose
Northern Blackberry

Condition

Dry to moist, well drained
Wet, can tolerate seasonal inundation
Dry to wet, can tolerate inundation
Dry to moist, well-drained
Wet, will adapt to drier sites
Moist to wet
Wet
Dry to moist
Wet
Dry to moist
Dry, well-drained
Moist to wet
Moist to wet
Dry
Dry to wet
Wet
Dry, well-drained
Dry, well-drained
Dry, well-drained
Dry, well-drained
Moist to wet
Dry, well-drained

Salix discolor	Pussy Willow	Wet
Sambucus Canadensis	Elderberry	Dry to wet
Spirea alba	Meadowsweet	Moist to wet
Spirea tomentosa	Hardback (Steeplebush)	Moist to wet
Vaccinium angustifolium	Lowbush Blueberry	Dry to moist, well-drained
	(Vaccinium corymbosum, Highbush Blueberry, are eaten by deer)	
Viburnum acerifolium	Mapleleaf Viburnum	Dry to moist
Viburnum dentatum	Arrowwood	Moist to wet
Viburnum prunifolium	Blackhaw Viburnum	Dry to moist

Trees

Latin Name	Common Name	Condition
Acer Rubrum	Red Maple	Dry to wet
Acer saccharinum	Silver Maple	Dry to wet
Acer saccharum	Sugar Maple	Dry to moist
Amelanchier arborea	Serviceberry	Dry to moist
Betula lenta	Black Birch	Dry to moist
Betula nigra	River Birch	Moist to wet
Betula populifolia	Gray Birch	Dry to wet
Carpinus caoliniana	American Hornbeam	Dry to moist
Carya ovata	Shagbark Hickory	Dry
Celtis occidentalis	Common Hackberry	Dry to wet
Cornus alternifolia	Alternate-leaved Dogwood	Dry to moist
Cornus florida	Flowering Dogwood	Dry to moist
Fraxinus americana	White Ash	Dry to moist
Fraxinus pennsylvanica	Green Ash	Moist to wet
Hamamelis virginiana	Witch Hazel	Dry to moist
Liquidambar styraciflua	Sweet Gum	Moist to wet
Liriodendron tulipifera	Tulip Tree	Dry to moist, well-drained
Nyssa sylvatica	Black Tupelo	Moist to wet
Ostrya virginiana	American Hophornbeam	Dry to moist
Platanus occidentalis	American Sycamore	Moist to wet
Populus deltoids	Eastern Cottonwood	Moist to wet
Populus tremuloides	Quaking Aspen	Moist to wet
Prunus serotina	Black Cherry	Dry to moist, well-drained
Quercus alba	White Oak	Dry to moist, well-drained
Quercus bicolor	Swamp White Oak	Moist to wet
Quercus coccinea	Scarlet Oak	Dry to moist, well-drained
Quercus palustris	Pin Oak	Moist to wet
Quercus prinus (montana)	Chestnut Oak	Dry
Quercus rubra (Q. borealis)	Red Oak	Moist, well-drained
Quercus velutina	Black Oak	Dry to moist
Salix nigra	Black Willow	Moist to wet, poorly drained
Sassafras albidum	Sassafras	Dry to moist
Tilia americana	Basswood	Dry to moist, well-drained

Evergreen and Semi-evergreen Shrubs and Trees

Latin Name	Common Name	Condition
Baccharis halimifolia	Groundsel Bush	Wet, can tolerate seasonal inundation
Ilex glabra	Inkberry	Moist to wet
Ilex opaca	American Holly	Moist, well-drained
Juniperus virginiana	Eastern Red Cedar	Dry to moist
Kalmia angustifolia	Sheep Laurel	Wet
Kalmia latifolia	Mountain Laurel	Dry to wet
Myrica pensylvanica	Bayberry	Dry to wet
Pinus rigida	Pitch Pine	Dry, well-drained
Pinus strobes	Eastern White Pine	Dry, well-drained

Possible Salt-Tolerant Plantings

Herbaceous Vegetation

Latin Name

Aster tenuifolia
 Distichlis spicata
 Acorus calamus
 Juncus balticus
 Leersia oryzoides
 Liimonium carolinianum
 Panicum virgatum
 Schizachyrium scoparium
 Scirpus robustus
 Spartina alterniflora
 Spartina patens
 Thelypteris palustris

Common Name

Saltmarsh Aster
 Salt Grass
 Sweet Flag
 Salt Rush
 Rice Cutgrass
 Sea Lavender
 Switchgrass
 Little Bluestem
 Salt Meadow Bulrush
 Smooth Cordgrass
 Salt Marsh Hay
 Marsh Fern

Condition

Upper 10% of intertidal zone
 Mean high water to upland
 Mean high water to upland
 Upper 25% of intertidal zone
 Upper 10% of intertidal zone
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Upper 10% of intertidal zone
 Upper 50% of intertidal zone
 Mean high water to upland
 Mean high water to upland

Shrubs

Latin Name

Alnus serrulata
 Baccharis halimifolia
 Clethra alnifolia
 Ilex verticillata
 Iva frutescens
 Myrica cerifera
 Myrica pennsylvanica
 Prunus martima

Common Name

Smooth alder
 Groundsel
 Sweet Pepperbush
 Common Winterberry
 Marsh Elder
 Wax Myrtle
 Bayberry
 Beach Plum

Condition

Mean high water to upland
 Upper 5% of intertidal zone to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland

Trees

Latin Name

Acer nejudo
 Fraxinus pennsylvanica
 Liquidambar styraciflua
 Salix nigra

Common Name

Box elder
 Green Ash
 American Sweetgum
 Black Willow

Condition

Mean high water to upland
 Mean high water to upland
 Mean high water to upland
 Mean high water to upland

General List for Suggested Native Trees, Shrubs and Perennials

(Please note that this is not a complete listing. It is a guideline. Speak with your local nursery for additional suggestions.)

Evergreen Trees

Common Name	Latin Name
Atlantic White Cedar	Chamoecyparis thyoides
Black Spruce	Picea mariana
Eastern Hemlock	Tsuga canadensis
Eastern Red Cedar	Juniperus virginiana
Northern White Cedar	Thuja occidentalis
Pitch Pine	Pinus rigido
Red Pine	Pinus resinosa
Red Spruce	Picea rubens
White Pine	Pinus strobes

Deciduous Trees

Common Name	Latin Name
Allegheny Plum	Prunus alleghaniensis
American Basswood	Tilia americana
American Beech	Fagus grandifolia
American Chestnut	Castanea dentata
American Elm	Ulmus americana
American Holly	Ilex opaca
American Hornbeam	Carpinus caroliniana
American Hybrid-cross Chestnut	Castanea spp.
American Mountain Ash	Sorbus americana
American Plum	Prunus americana
American Sycamore	Platanus occidentalis
Bigtooth Aspen	Populus grandidentata
Bitternut Hickory	Carya cordiformis
Black Birch	Betula lenta
Black Cherry	Prunus serotina
Black Gum (Tupelo)	Nyssa sylvatica
Black Maple	Acer nigrum
Black Oak	Quercus velutina
Black Walnut	Juglans nigra
Black Ash	Fraxinus nigra
Boxelder	Acer negundo
Butternut Walnut	Juglans cinera
Chestnut Oak	Quercus prinus
Chinkapin Oak	Quercus muehlenbergii
Choke Cherry	Prunus virginiana
Cockspur Hawthorne	Crataegus crus-galli
Common Persimmon	Diospyros virginiana
Dotted Hawthorne	Crataegus punctata
Eastern Cottonwood	Populus deltoides
Eastern Hop Hornbeam	Ostrya virginiana
Fleshy Hawthorne	Crataegus succulenta
Flowering Dogwood	Cornus florida
Frosted Hawthorne	Crataegus pruinosa
Gray Birch	Betula populifolia
Green Ash	Fraxinus pensylvanica
Hackberry	Celtis occidentalis
Mockemut Hickory	Carya tomentosa
Mountain Maple	Acer spicatum
Northern Red Oak	Quercus rubra

Common Name	Latin Name
Paper Birch	Betula papyrifera
Pignut Hickory	Carya glabra
Pin Cherry	Prunus pensylvanica
Post Oak	Quercus stellata
Quaking Aspen	Populus tremuloides
Red Maple	Acer rubrum
Red Mulberry	Morus rubra
Redbud	Cercis canadensis
Round-leaved Hawthorne	Crataegus chrysocarpa
Sassafras	Sassafras albidum
Scarlet Oak	Quercus coccinea
Shagbark Hickory	Carya ovata
Silver Maple	Acer Saccharum
Slippery Elm	Ulmus rubra
Swamp Cottonwood	Populus heterophylla
Swamp White Oak	Quercus bicolor
Sweetgum	Liquidambar styraciflua
Tulip Tree (Yellow Poplar)	Liriodendron tulipifera
White Ash	Fraxinus americana
White Oak	Quercus alba
Willow	Salix spp.
Yellow Birch	Betula alleghaniensis

Native Shrubs

Common Name	Latin Name
Alternate-leaf Dogwood	Cornus alternifolia
American Cranberry Bush	Viburnum trilobum
American Fly Honeysuckle	Lonicera canadensis
Arrowwood	Viburnum recognitum
Bayberry	Myrica pensylvanica
Black Chokeberry	Aronia melanocarpa
Bladdernut	Staphylea trifolia
Bog Laurel	Kalmia polifolia
Bush Honeysuckle	Diervilla lonicera
Canada Yew	Taxus canadensis
Elderberry	Sambucus canadensis
Gray Dogwood	Cornus racemosa
Highbush Blueberry	Vaccinium corymbosum
Hobblebush	Viburnum alnifolium
Huckleberry (Maleberry)	Lyonia ligustrina
Jersey Tea	Ceanothus americanus
Labrador Tea	Ledum groenlandicum
Leatherleaf	Chamaedaphne calyculata
Mapleleaf Viburnum	Viburnum acerifolium
Meadowsweet Spirea	Spiraea latifolia
Mountain Holly	Nemopanthus mucronata
Mountain Laurel	Kalmia latifolia
Mountain Maple	Acer spicatum
Nannyberry	Viburnum lentago
Red-osier Dogwood	Cornus sericea
Shadbush Serviceberry	Amelanchier canadensis
Sheep Laurel (Lambkill)	Kalmia angustifolia
Shining Sumac	Rhus copllina
Shrubby Cinquefoil	Potentilla fruticosa
Silky Dogwood	Cornus amomum
Smooth Sumac	Rhus glabra
Spicebush	Lindera benzoin

Common Name	Latin Name
Staghorn Sumac	Rhus typhina
Striped Maple	Acer pensylvanicum
Summersweet (Sweet Pepperbush)	Clethra alnifolia
Swamp Azalea	Rhododendron viscosum
Swamp Fly Honeysuckle	Lonicera oblongifolia
Sweet Fern	Comptonia peregrine
Wild Honeysuckle	Rhododendron nudiflorum
Winterberry	Ilex verticillata
Witchhazel	Hamamelis virginiana
Witherod (Wild Raisin)	Viburnum cassinoides

Perennials

Common Name	Latin Name
Allegheny Monkey Flower	Mimulus ringens
American Turk's-cap Lily	Lilium superbum
Arrowleaf Violet	Viola sagitta
Barren Strawberry	Waldsteinia fragarioides
Bearberry	Arctostaphylos uva-ursi
Bee-balm, spotted	Michella repens
Birdfoot Violet	Viola pedata
Black Cohosh	Cimicifuga racemosa
Bloodroot	Sanguinaria Canadensis
Blue False Indigo	Baptisia australis
Blue Vervain	Verbena hastata
Blue Wood Aster	Aster cordifolius
Blue-eyed grass	Sisyrinchium angustifolium
Bluestem Goldenrod	Solidago caesia
Bluets	Houstonia caerulea
Boneset	Eupatorium perfoliatum
Bottle Gentian	Gentiana clausa
Butterfly Weed	Asclepias tuberosa
Calico Aster	Aster lateriflorus
Canada Lily	Lilium Canadensis
Canada Violet	Viola canadensis
Canadian burnet	Sanguisorba Canadensis
Cardinal Flower	Lobelia cardinalis
Carolina Spring Beauty	Claytonia caroliniana
Closed Gentian	Gentiana andrewsii
Common Fleabane	Erigeron philadelphicus
Culver's root	Veronicastrum virginicum
Doll's Eyes	Actaea pachypoda
Downy Wood-mint	Blephilia ciliata
Downy Yellow Violet	Viola pubescens
Dutchman's Breeches	Dicentra cucullaria
Early Meadow Rue	Thalictrum dioicum
Eastern Blazing-star	Liatris scariosa
Fairy Wand	Chamaelirium luteum
False Hellebore	Vertrum viride
Foamflower	Tiarella cordifolia
Foxglove beardtongue	Penstemon digitalis
Fringed Loosestrife	Lysimachia ciliate
Globeflower	Trollius laxus var. laxus
Goat's Rue	Tephrosia virginiana
Golden Alexanders	Zizia aurea
Golden ragwort	Senecia aureus
Goldthread	Coptis trifoliata
Gray Goldenrod	Solidago nemoralis

Common Name	Latin Name
Green Dragon	Arisaema dracontium
Green-headed coneflower	Rudbeckia laciniata
Hairy beardtongue	Penstemon hirstus
Harebell	Campanula rotundifolia
Heart-leaf Alexanders	Zizia aptera
Heath Aster	Aster ericoides
Hoary mountain-mint	Pycnanthemum incanum
Hollow Joe-Pye-weed	Eupatorium fistulosum
Jack-in-the-pulpit	Arisaema triphyllum
Large Marsh-pink	Sabatia dodecandra
Large-flowered Bellwort	Uvularia grandiflora
Larger Blue Flag Iris	Iris versicolor
Lignonberry	Vaccinium vitis-idaea
Lobelia, great	Lobelia siphilitica
Long-leaf Bluets	Houstonia longifolia
Marsh Blue Violet	Viola cucullata
Marsh Marigold	Caltha palustris
May Lily	Maianthemum canadense
Mayapple	Podophyllum peltatum
Meadow Beauty	Rhexia virginica
Meadow Phlox	Phlox maculate
New England Aster	Aster novae-angliae
New York Aster	Aster novi-belgii
New York Ironweed	Veronia noveboracensis
Pale-leaved Sunflower	Helianthus strumosus
Partridgeberry	Michella repens
Pearly Everlasting	Anaphalis margaritacea
Perfoliate Bellwort	Uvularia perfoliata
Plantain Pussy-Toes	Antennaria plantaginifolia
Prairie Phlox	Phlox pilosa
Prickly-pear	Opuntia humifusa
Purple Giant Hyssop	Agastache scrophulariifolia
Purple Meadow Rue	Thalictrum dasycarpum
Purple Milkweed	Asclepias purpurascens
Red Baneberry	Actaea rubra
Robin-plantain	Erigeron pulchellus
Rough-leaved Goldenrod	Solidago patula
Round-lobed hepatica	Hepatica americana
Rue Anemone	Anemonella thalictroides
Seaside Goldenrod	Solidago sempervirens
Sessile Bellwort	Uvularia sessifolia
Sharp-lobed hepatica	Hepatica acutiloba
Sickle-leaved Golden Aster	Chrysopsis falcate
Slender Blue Flag Iris	Iris prismatica
Smooth Aster	Aster laevis
Sneezeweed	Helenium autumnale
Solomon's Plume	Maianthemum racemosum
Solomon's-seal	Polygonatum biflorum
Spotted Joe-Pye-weed	Eupatorium maculatum
Spring Beauty	Claytonia virginica
Squirrel Corn	Dicentra canadensis
Starflower	Trientalis borealis
Starry Campion	Silene stellata
Starry Solomon's Plume	Maianthemum stellatum
Stiff Aster	Aster linariifolius
Sundrops	Monarda fistulosa Oenothera fruticosa

Common Name	Latin Name
Sundrops	Oenothera perennis
Swamp Milkweed	Asclepias incarnate
Swamp Rose-Mallow	Hibiscus palustris
Sweet Goldenrod	Solidago odora
Sweet Joe-Pye-weed	Eupatorium purpureum
Sweet White Violet	Viola blanda
Tall Meadow Rue	Thalictrum pubescens
Thin-leaved Sunflower	Helianthus decapetalus
Three-toothed cinquefoil	Potentilla tridentate
Toothwort	Dentaria diphylla
Turtlehead	Chelone glabra
Twinflower	Linnaea borealis
Virginia mountain-mint	Pycnanthemum virginianum
Virginia Spiderwort	Tradescantia virginiana
White Snakeroot	Eupatorium rugosum
White Wood Aster	Aster divaricatus
Wild Bee-balm	Monarda fistulosa
Wild Blue Lupine	Lunius perennis
Wild Blue Phlox	Phlox divaricata
Wild Geranium	Geranium maculatum
Wild Pink	Silene caroliniana
Wild Red Columbine	Aquilegia canadensis
Wild Sarsaparilla	Aralia nudicaulis
Wild Senna	Senna hebecarpa
Wintergreen	Gaultheria procumbens
Wood Anemone	Anemone quinquefolia
Wood Lily	Lilium philadelphicum
Yellow Clintonia	Clintonia borealis
Yellow Starrgrass	Hypoxis hirsute
Zigzag Goldenrod	Solidago flexicaulis

Connecticut Growers of Native Trees and Shrubs

<p>Reynold's Farms Nursery 23 Richards Avenue Norwalk, CT 06854 203-866-5757 www.reynoldsfarms.net</p>	<p>Frogtown Nursery & landscape Co 259 Frogtown Road New Canaan, CT 06840 203-972-3338 www.frogtownnursery.com</p>	<p>High Ridge Nursery 1854 High Ridge Road Stamford, CT 06903 203-329-9957 www.highridgenursery.com</p>
<p>Designs by Lee, Inc. 129 Interlaken Road Stamford, CT 06903 203-628-5888 www.designsbylee.com</p>	<p>Greenwich Landscaping Co 732 North Street Greenwich CT 06831 203-869-1022 www.greenwichlandscape.net</p>	<p>Sam Bridge Nursery 437 North Street Greenwich, CT 06830 203-869-3418 www.sambridge.com</p>
<p>SiteOne Landscape Supply *Wholesale Only 1081 King Street Greenwich, CT 06831 203-531-7352 www.siteone.com/nurserydirect</p>	<p>NATIVE, LLC 2940 Redding Rd. Fairfield, CT 06824 203-658-7475 www.anativeplantnursery.org</p>	<p>Weston Gardens, Inc. 1 Good Hill Road Weston, CT 06883 203-227-3871</p>
<p>Planters' Choice LLC *Wholesale Only 140 Huntingtown Road Newtown, CT 06470 203-426-4037 www.planterschoice.com</p>	<p>Twombly Nurserymen & Landscapers 163 Barn Hill Road Monroe, CT 06468 203-846-9775 www.twomblynursery.com</p>	<p>Kent Horticultural Services 30 South Main Street Kent, CT 06757 860-927-4436 www.kentgreenhouse.com</p>
<p>Hilltop Gardens 245 Walnut Tree Hill Road Shelton, CT 06484 203-929-0456 www.hilltopgardensnursery.com</p>	<p>Broken Arrow Nursery 13 Broken Arrow Road Hamden, CT 06518 203-288-1026 www.brokenarrownursery.com</p>	<p>Town and Country Nurseries 1036 Saybrook Road Haddam, CT 06438 860-345-8581 www.townandcountryhaddam.com</p>
<p>Cortina Gardens 25 Bridgewater Road New Milford, CT 06776 860-354-8120</p>	<p>Fieldstone Nursery 48 Merryall Road New Milford, CT 06776 860-354-3116 www.fieldstonenursery.weebly.com</p>	<p>Bell Nurseries, Inc. 1301 Hartford Tpke. North Haven, CT 06473 203-248-5086 / 281-0164 www.bellnurseriesct.com</p>
<p>East Haven Landscape Product 182 Mill Street East Haven, CT 06512 203-467-6260 www.ehlp.com</p>	<p>Shelley's Garden Center 217 Main St Branford, CT 06405 203-488-9479 www.shelleysgardencenter.com</p>	<p>Evergreen Nursery, Inc. 567 Woodruff Street Southington, CT 06489 860-628-0325 www.evergreennurseryct.com</p>
<p>Cheshire Nursery, Inc. 1317 South Main Street Cheshire, CT 06410 203-272-3228 www.cheshirenursery.com</p>	<p>James S Hosking Nursery 114 Porter St Watertown, CT 06795 860-274-8889 www.hoskingnursery.com</p>	<p>Kogut Nursery LLC *Wholesale 625 Yale Avenue Meriden, CT 06450 203-686-0252 www.kogutnursery.com</p>
<p>The Garden Barn Nursery 228 West St Vernon, CT 06066 860-872-7291 www.gardenbarn.com</p>	<p>Caesar's Nursery 883 Federal Road Brookfield, CT 06804 203-775-2944</p>	<p>B.F. Burton Landscapes INC 95 Botsford Hill Road Roxbury, CT 06783 860-350-9022 www.bfburtonlandscapesinc.com</p>
<p>Acer Gardens 447 Winthrop Road Deep River, CT 06417 860-526-9056 www.acergardens.com</p>	<p>Evergreen Acres 464 Windham Avenue Colchester, CT 06415 860-463-4014 www.evergreenacresct.com/index.html</p>	<p>Burnett's Country Gardens 380 New London Road Salem, CT 06420 860-949-8722 www.burnettscg.com</p>

Sunset Nurseries 2 Thompson Rd Thompson, CT 06277 860-923-3711 www.sunsetnurseriesinc.net	Salisbury Garden Center 167 Canaan Road Salisbury, CT 06068 860-435-2439 www.salisburygardencenter.com	Holdridge Farm Nursery 749 Col. Ledyard Hwy Ledyard, CT 06339 860-464-8400 www.holdridgegarden.com
AJ Vicino & Sons Nursery 259 New Britain Avenue Rocky Hill, CT 06067 860-529-1304	Goudreau's Nash Garden Center 215 Wauregan Road Danielson, CT 06239 860-774-0412	Robert Baker Inc.*Wholesale Only 1700 Mountain Road West Suffield, CT 06093 860-668-7371
Woodland Gardens 168 Woodland Street Manchester, CT 06042 860-643-8474 www.woodlandgardensct.com	Warner's Nursery 76 Riverside Road Simsbury, CT 06070 860-651-0204 www.warnernursery.com	Riverside Nursery 56 River Road Collinsville, CT 06019 860-693-2285 www.riversidenursery-ct.com
Prides Corner Farm, Inc. *Wholesale Only 122 Waterman Road Lebanon, CT 06249 800-437-5168 www.pridescorner.com	Stonegate Gardens, Inc. *Wholesale Only 69 Bushy Hill Rd Granby, CT 06035 860-653-3835 www.stonegategardensinc.com	Summer Hill Nursery, Inc. *Wholesale Only 888 Summer Hill Rd Madison, CT 06443 203-421-3055 www.summerhillnursery.com

Leaf Mulch Providers

Brookside Nurseries

8 Mulvoy St
Norwalk, CT 06854
203-853-2076

Benedict's Home & Garden

480 Purdy Hill Rd
Monroe, CT 06468
203-268-2537

D R Charles Environmental Construction

189 Monroe Tpke
Monroe, CT 06468
203-445-0412

Gilbertie Herb Garden

65 Adams Rd
Easton, CT 06612
203-452-0913

Buffer Gardens

LAKE WARAMAUGA BUFFER GARDEN DEMONSTRATION – The purpose of the demonstration is to show landowners how they can help protect the lake’s water quality while enjoying a beautiful, low energy, low maintenance landscape strip along their shoreline. The 800’ shoreline had previously been planted in lawn draining directly to the lake. Now there is a mix of native trees, shrubs and wildflowers which create an attractive shoreline in all seasons. Some lawn has been retained as an active area for family activities and for access to the lake. A large portion of the shoreline was modestly reshaped to create an almost invisible swale that allows the rain runoff to flow through and be absorbed by the new plantings which have a much greater capacity to retain water than the old lawn. In addition, a wetland garden bio-filter was planted on the shoreline to capture and treat the stormwater runoff before it reaches the lake.

Here is a list of the plants used in the buffer:

Trees and Shrubs:

Latin Name	Common Name
Betula Papyrifera	Paper Birch
Cornus Stolonifera	Red Osier Dogwood
Hamamelis Virginiana	Witch Hazel
Vaccinium Crymbosum	Highbush Blueberry

Wetland Garden/Bio-filter:

Latin Name	Common Name
Typha Angustifolia	Narrow Cattail
Iris Versicolor	Blue Flag Iris
Lobelia Cardinalis	Cardinal Flower
Sagittaria Latifolia	Arrowhead
Carex Stricta	Tussock Sedge
Scirpus Validus	Soft Stem Bulrush
Pontederia Cordata	Pickerelweed
Caltha Palustris	Marsh Marigold

Lakeside Wildflower Buffer:

Latin Name	Common Name
Eupatorium Maculatum	Joe Pye Weed

Verbena Bastata	Blue Vervain
Monarda Didyma	Bee Balm (red)
Monarda Fistulosa	Wild Beramot
Aster Novae-Angliae	New England Aster
Onoclea Sensibilis	Sensitive Fern
Osmunda Regalis	Royal Fern
Rudbeckia Hirta	Black Eyed Susan
Thalictrum Dasycarpum	Meadow Rue
Thalictrum Thalictroides	Wind Flower
Osmunda Cinnamonmea	Cinnamon Fern
Schizachyrium Scoparium	Bluestem Grass
Birch Grove Understory:	
Latin Name	Common Name
Polystichum Acrostichoides	Cinnamon Fern
Athyrium Filix-Femina	Lady Fern
Dryopteris sp.	Wood Ferns
Dryoperis Marginalis	Marginal Wood Fern
Dryoperis Intermedia	Intermediate Wood Fern

CANDLEWOOD LAKE – Candlewood Lake has recently published buffer garden guidelines in a 12 page special edition of the *Candlewood Lake News*. It provides a detailed guide on how to create a buffer garden with diagrams and a detailed list of recommended trees, shrubs, ground covers, vines, flowers and ferns. For more information, visit www.Candlewoodlakesauthority.org or contact the Candlewood Lake Authority at PO Box 37, Sherman, CT 06784.

Did You Know?

- Blueberry and Mt. Laurel bushes make good lakeside buffers.
- Lakes are also engines for economic growth and play an important role in maintaining the ecological health of the planet.

Raingardens

What is a Rain Garden?

A rain garden is a depression (about 6 inches deep) that collects storm water runoff from a roof, driveway or yard and allows it to infiltrate into the ground. Rain gardens are typically planted with shrubs and perennials (natives are ideal), and can be colorful, landscaped areas in your yard.

Why a Rain Garden?

Every time it rains, water runs off impervious surfaces such as roofs, driveways, roads and parking lots, collecting pollutants along the way. This runoff has been cited by the United States Environmental Protection Agency as a major source of pollution to our nation's waterways. By building a rain garden at your home, you can reduce the amount of pollutants that leave your yard and enter nearby lakes, streams and ponds.

Checklist

Site Selection

Clearance:

- Free from tree roots, 10' away from building foundations, & utilities (call 811 before you dig).

Good Drainage:

- The Percolation Test- create a 12" x 12" hole, fill with water, time drainage; fill again, calculate volume lost in an hour.
- Percolation Rate= VL of water/time. Ideally 1"-8" or more per hour

Slope:

- Less than a 12% grade change with appropriate contours and spillways.

Sizing:

- 20% of impermeable surface

Excavation:

- 6" Depth plus mulch
- Poor percolation rate: Sand amendments for increased drainage can be used after excavation.

Plant Selection

Things to consider:

- Perennial, native, drought tolerant?
- Sun exposure
- Drainage needs/ wet foot tolerance (top, middle or bottom of the raingarden?)
- Salt tolerance (coastlines, estuaries, and heavily salted roadways)
- Bloom time
- Wildlife specific support (pollinators, songbirds)
- Needs (privacy, shade, low barrier, child friendly, edible, winter interest, etc.)
- Potted plants have a better rate of survival (avoid seed mixes).
- Follow plant-specific planting instructions.
- Follow a well-considered planting design (taller plants in the back).

Maintenance

- Water for the few years or until established (about 1" per week).
- Weed when needed.
- Prune during late fall or early spring to keep larger shrubs or trees at a desired size and shape.
- Annual mulching will help minimize weeds and improve soil health.

Raingarden Plant Suggestions

Common Name	Latin Name	Height	Width	Bloom Time	Garden Location	Sun Requirements	Bonus Functions
Serviceberry	Amelanchier Aborea	15'-25'	15'-20'	Early Spring	Slope/Upland/Back	Full Sun	CT E F ST(M)
Shadbush	Amelanchier Canadensis	15'-30'	15'-20'	Early Spring	Any/Back	Full to Partial Sun	CT E F ST(M)
Staghorn Sumac	Rhus Typhina	25'	3'-6'	June-July	Any/ Back	Sun to Shade	CT E F M/F P ST
Mountain Laurel	Kalmia Latifolia	6'-15'	5'-12'	Late Spring	Any/Back	Full to Partial Sun	ST(M) W CT
Spicebush	Lindera Benzoin	6'-12'	6'-12'	Early Spring	Bottom/Front	Sun to Shade	CT F E P
Am. Black Elderberry	Sambucus Canadensis	12'	12'	May-June	Bottom/ Front	Partial Shade	CT E F ST(S)
Winterberry Holly	Ilex Verticillata	6'-10'	6'-10'	April-July	Bottom/Front	Partial Sun	F M/F ST(M) W
Redosier Dogwood	Cornus Sericea	6'-10'	7'-9'	Early Summer	Any/Front	Full Sun	CT W
Swamp Rose	Rosa Palustris	6'-8'	3'-6'	May-June	Bottom/Front	Sun to Shade	CT P ST(S)
Rose Mallow	Hibiscus Moschentos	3'-8'	3'-5'	Mid-Summer	Bottom/Front	Full to Partial Sun	CT ST(G)
Big Bluestem	Andropogon Geradii	4'-6'	2'-3'	Aug-Nov	Any/Slope/ Front	Sun to Partial Shade	CT P
Switch Grass	Panicum Virgatum	3'-7'	2'-3'	Aug-Oct	Any/Front	Full to Partial Sun	CT ST W
Common Snowberry	Symphoricarpos Albus	2'-5'	4'-6'	June-July	Slope/Upland/ Front	Full to Partial Sun	CT F P
Blue False Indigo	Baptisia Australis	3'-5'	3'	April-July	Slope/Upland/ Front	Full Sun	ST(M) N P
New England Aster	Symphotrichum Novae-angliae	3'-4'	4'	Late Summer-Fall	Any/Front	Full to Partial Sun	CT ST(M) P
Butterfly Milkweed	Asclepias Tuberosa	1'-5'	2'	May-Sept	Slope/Upland/ Front	Full Sun	CT P
Swamp Milkweed	Asclepias Incarnata	2'-4'	1'-2'	June-Oct	Bottom/Front	Sun to Partial Shade	CT P
Shasta Daisy	Leucanthemum x Superbum	2'-3'	1'-2'	Early Summer-Fall	Any/Slope/ Front	Full Sun	ST(M)
Great Blue Lobelia	Lobelia Siphilitica	2'-3'	1'-18"	July-Oct	Bottom/Front	Sun to Shade	CT P
Little Bluestem	Schizachyrium Scoparium	18"-3'	1'	June-Dec	Any/Slope/ Front	Full Sun	CT F ST W
Sea Lavender	Limonium Latifolium	18"-30"	12"-18"	Summer	Front	Full Sun	ST(G)
Wild Lupine	Lupinus Perennis	1'-2'	-1'	April-July	Slope/Front	Sun to Partial Shade	CT F N P ST(M)
Sweet Grass	Hierochloe Odorata	1'-2'	2'	June-Aug	Bottom/Front	Full Sun	CT ST
Meadow Anemone	Anemone Canadensis	1'-2'	2'-30"	April-June	Any/Bottom/ Front	Partial Shade to Full Shade	CT ST(M)
Eastern Sand Cherry	Prunus Pumila	12"-15"	10'-15'	May	Any/Front	Full Sun	CT F ST(S)

CT-Native **F**-Wildlife Forage **ST**-Salt Tolerant (M)Moderate (S)Spray (G)Ground **P**-Pollinator Supporter **E**-Edible
M/F-Dioecious **N**-Nitrogen Fixer **W**-Winter Interest

The Connecticut Butterfly Association Planting Guide

Monarch Watch is encouraging people all over the United States to create, conserve and protect Monarch butterfly habitats. They have introduced the Monarch Waystation Program to help people apply for and register their garden for certification. They offer seeds for sales and some fabulous advice too! Contact Monarch Watch at: www.MonarchWatch.org to find out more.

The Connecticut shoreline is an important resting and refueling area for autumn migrating Monarchs. CBA is presently designing butterfly gardens for school yards, nature preserves and parks in towns along the coast. But they still need an inland snack too! Please consider creating a butterfly habitat in your backyard. These exquisite pollinators need our help!

These are some plants that CBA recommends for a butterfly habitat, especially the Monarchs. CBA is pleased to offer guidance in designing your butterfly garden. We offer this as part of our conservation and education programs. This is offered to public gardens pro bono.

Butterfly Larval Host and Adult Nectar Plants

Latin Name	Common Name	Benefit
Agastache Foeniculm	Lavender Hyssop	Adult Nectar
Asclepias Incarnate	Swamp Milkweed	Larval Host and Adult Nectar
Asclepias Syriaca	Common Milkweed	Larval Host and Adult Nectar
Asclepias Tuberosa	Butterflyweed	Larval Host and Adult Nectar
Aster Azureus	Sky Blue Aster	Adult Nectar
Aster Ericoides	Heath Aster	Adult Nectar
Aster Laevis	Smooth Aster	Adult Nectar
Aster Novae-Anglae	New England Aster	Adult Nectar
Coreopsis Lanceolata	Lanceleaf Coreopsis	Adult Nectar
Echinacea Purpurea	Purple Coneflower	Adult Nectar
Eupatorium Maculatum	Spotted Joe-Pye	Adult Nectar
Eupatorium Perfoliatum	Bonset	Adult Nectar
Liatris Scariosa var. Novae-Angliae	New England Blazing-star	Adult Nectar
Liatris Spicata	Marsh Blazing-star	Adult Nectar
Monarda Didyma	Beebalm	Adult Nectar
Monarda Fistulosa	Wild Bergamot	Adult Nectar
Solidago Rigida	Stiff Goldenrod	Adult Nectar
Solidago Sempervirens	Seaside Goldenrod	Adult Nectar
Verbena Hastate	Blue Vervain	Adult Nectar
Vernonia Noveboracensis	New York Ironweed	Adult Nectar

For more information go to: www.ctbutterfly.org/

Xerces Pollinator Planting Guide Northeast Region

Providing wildflower-rich habitat is the most significant action you can take to support pollinators. Adult bees, butterflies, and other pollinators require nectar as their primary food source, and female bees collect pollen as food for their offspring. Native plants, which are adapted to local soils and climates, are usually the best sources of nectar and pollen for native pollinators. Incorporating native wildflowers, shrubs, and trees into any landscape promotes local biological diversity and provides shelter and food for a diversity of wildlife. Most natives require minimal irrigation, flourish without fertilizers, and are unlikely to become weedy.

This sheet features regional native plants that are highly attractive to pollinators and are well-suited for small-scale plantings in the Northeastern region.

		Forbs		(Feet)	L: low; M: medium; H: high	
Early	1	Golden Alexanders	<i>Zizia aurea</i>	yellow	3	H
	2	Wild geranium	<i>Geranium maculatum</i>	pink	3	M
Early-Mid	3	Spiderwort	<i>Tradescantia virginiana</i>	blue	3	M
	4	Blue vervain	<i>Verbena hastata</i>	blue	5	H
Mid	5	Narrowleaf mountain mint	<i>Pycnanthemum tenuifolium</i>	white	3	L-M
	6	Swamp milkweed	<i>Asclepias incarnata</i>	pink	5	M-H
	7	Wild bergamot	<i>Monarda fistulosa</i>	purple	4	M
Mid-Late	8	Boneset	<i>Eupatorium perfoliatum</i>	white	5	H
	9	Cardinal flower	<i>Lobelia cardinalis</i>	red	4	H
	10	Field thistle	<i>Cirsium discolor</i>	purple	6	M
	11	Wild golden glow	<i>Rudbeckia laciniata</i>	yellow	7	H
Late	12	Bottle gentian	<i>Gentiana clausa</i>	blue	2	M
	13	Calico aster	<i>Symphotrichum lateriflorum</i>	white	3	M
	14	Gray goldenrod	<i>Solidago nemoralis</i>	yellow	2	L
	15	New England aster	<i>Symphotrichum novae-angliae</i>	purple	6	M
	16	Wrinkleleaf goldenrod	<i>Solidago rugosa</i>	yellow	3	M-H
		Shrubs and Trees				
Early	17	Highbush blueberry	<i>Vaccinium corymbosum</i>	white/ pink	12	M-H
	18	Pussy willow	<i>Salix discolor</i>	yellow/ green	15	M-H
	19	Raspberry, blackberry	<i>Rubus</i> spp.	white	4+	M
Early-Mid	20	American basswood	<i>Tilia americana</i>	cream	60	M
	21	Ninebark	<i>Physocarpus opulifolius</i>	white	8	L
Mid	22	New Jersey tea	<i>Ceanothus americanus</i>	white	4	M
	23	Virginia rose	<i>Rosa virginiana</i>	pink	6	L
Late	24	Buttonbush	<i>Cephalanthus occidentalis</i>	white	12	H

References

CT NOFA (Northeast Organic Farming Association)

<http://www.ctnofa.org/>

DEP (Department of Environmental Protection) Connecticut

<http://www.ct.gov/dep/site/default.asp>

UConn Home and Garden Education Center

<http://www.ladybug.uconn.edu/>

UConn Raingarden Guide

<https://nemo.uconn.edu/raingardens/>

CT Botanical Society

<http://ct-botanical-society.org/>

The Xerces Society for Invertebrate Conservation

<https://xerces.org/>