

# Woody Shrubs for Storm Water Retention



## Species: *Amorpha fruticosa*

Desert False Indigo

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 6-15'

Leaves: Deciduous

Shape: leggy quality; best when massed

Ornamental Other: native to the southeastern United States, it has naturalized well outside of its native range, can become aggressively weedy in some areas

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: Nitrogen fixer

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

## Cultivars for *Amorpha fruticosa*

Showing **1-3** of **3** items.

Cultivar Name	Notes
Albiflora	'Albiflora' - a white flowering form
Crispa	'Crispa' - curly-leaved form

Cultivar Name	Notes
Lewisii	'Lewisii' - narrow leaved variety

Photos



*Amorpha fruticosa*



*Amorpha fruticosa* leaves



Amorpha fruticosa - Flowers



Amorpha fruticosa - Habit



Amorpha fruticosa - Habit



Amorpha fruticosa - Leaves



Amorpha fruticosa - Leaves







## Species: *Aronia arbutifolia*

(ah-rone'ee-ah ar-bue-ti-fo'lee-ah)

### Red Chokeberry

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 6' - 12'; (spread 3' - 12')

Leaves: Deciduous

Shape: leggy quality; best when massed

Ornamental Other: bright red fruit clusters in fall; brilliant red/purple fall color; needs to be massed - can become leggy prefers full sun or partial shade

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: prefers full sun or partial shade

#### Insect Disease

attractive to Deer

#### Bare Root Transplanting

Any

#### Other

native to eastern U.S.; transplants well; good for wetland reclamation sites; deer love this plant

### Cultivars for *Aronia arbutifolia*

Showing **1-3** of **3** items.

Cultivar Name	Notes
Erecta	'Erecta' - more fastigate habit than species
Brilliantissima	'Brilliantissima' - probably more commonly found in nurseries than the straight species. Improved flowering, fruiting, and foliage luster and color
x prunifolia	A. x prunifolia - a naturally occurring hybrid between A. arbutifolia and A. melanocarpa

Photos



*Aronia arbutifolia* - Leaves



*Aronia arbutifolia* - Foliage , Habit



Aronia arbutifolia - Flowers



Aronia arbutifolia - Leaves, Fruit



Aronia arbutifolia - Leaves



Aronia arbutifolia - Leaves, Fruit



Aronia arbutifolia - Fruit



Aronia arbutifolia - Habit



*Aronia arbutifolia* - Habit



## Species: *Aronia melanocarpa*

(ah-rone'ee-ah mel-an-o-kar'pah)

### Black Chokeberry

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 3' - 5' (10')

Leaves: Deciduous

Shape: multi-stem, suckering, upright shrub

Ornamental Other:

#### Environmental Characteristics

Light: Full sun

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: wine red fall color; blackish-purple fruit

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Any

#### Other

native to eastern U.S.; suckers profusely; a good choice for wetland reclamation sites; note this plant has black fruit but *A. arbutifolia* has red

### Cultivars for *Aronia melanocarpa*

Showing 1-7 of 7 items.

Cultivar Name	Notes
Viking	'Viking' - glossy deep green foliage; brilliant red fall color; large black edible fruits; mid-sized cultivar (3 - 6' tall)
var. elata	var. elata - a larger plant overall and with larger individual parts (leaves, flowers, fruits)
Autumn Magic	'Autumn Magic' - more compact than the species (3 -5' tall) with improved fruit set and bright red-purple fall color
Iroquois Beauty	'Iroquois Beauty' (a.k.a. 'Morton') - dwarf form (2 - 3' tall)
Ground Hog	Dwarf, grows as thick, dense mat, 1' tall
Low Scape Hedger	Compact, narrow form; requires less maintenance than 'Viking,' good for hedges or mass planting. 3-5' tall
Low Scape Mound	Dwarf, 1-2' tall, 2' wide

Photos



*Aronia melanocarpa* - Leaf, Fall Interest



Ethan M. Dropkin

Aronia melanocarpa - Bark



Aronia melanocarpa - Leaves, Fruit



Aronia melanocarpa - Leaves



Aronia melanocarpa - Leaves, Flowers



Aronia melanocarpa - Habit



Aronia melanocarpa - Leaf



*Aronia melanocarpa* - Habit



## Species: *Baccharis halimifolia*

(bak´à-ris ha-li-mi-fō´li-à)

Groundseltree, Eastern Baccharis

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet

Height: 5-12'

Leaves: Deciduous

Shape: rounded, upright

Ornamental Other: Dioecious flowers. White fruits are showy

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 5b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray, Tolerates salty soil

Environmental Other: Tolerant of salt and extremely poor soils, showy white fruits, can be treated as an herbaceous perennial in cold climates

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

Native to coastal Atlantic states, Georgia to Massachusetts

## Cultivars for *Baccharis halimifolia*

Showing **1-2** of **2** items.

Cultivar Name	Notes
White Caps	'White Caps' compact, upright form; bluish foliage; heavier fruit production, female
B. glomeruliflora	B. glomeruliflora - a more southern relative, hardy from Zone 8 -10

Photos



Baccharis halimifolia flowers



Baccharis halimifolia flowers



Baccharis halimifolia habit



Baccharis halimifolia habit



Baccharis halimifolia habit





Baccharis halimifolia - Habit



Baccharis halimifolia - Habit



Baccharis halimifolia - Habit



## Species: *Cephalanthus occidentalis*

Buttonbush

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 4-10'

Leaves: Deciduous

Shape: rounded to arching

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Salt Tolerance: Tolerates salt spray, Tolerates salty soil

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

Native to Eastern North America

## Cultivars for *Cephalanthus occidentalis*

Showing **1-2** of **2** items.

Cultivar Name	Notes
---------------	-------

Cultivar Name	Notes
Sputnik	'Sputnik' - larger blooms and longer bloom period than species; pinkish flowers
Sugar Shack	'Sugar Shack' - semi-dwarf to 4 feet; bright red fruits

Photos



'Sugar Shack' compact, shorter buttonbush



Cephalanthus occidentalis - Flower



Cephalanthus occidentalis - Habit



Cephalanthus occidentalis - Habit



Cephalanthus occidentalis - Habit





## Species: *Clethra alnifolia*

(kleh'thrah al-ni-fo'lee-ah)

Summer Sweet Clethra

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 4' - 8' (spreading slowly in clumps to 8')

Leaves: Deciduous

Shape:

Ornamental Other: can tolerate shady or sunny locations

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4b

Soil Ph: Requires acid (pH 5.0 to 7.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: can tolerate shady or sunny locations

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

Native to E.North America

## Cultivars for *Clethra alnifolia*

Showing **1-11** of **11** items.

Cultivar Name	Notes
Paniculata	'Paniculata' - more vigorous than the species, features large panicles of fragrant flowers in August
Hummingbird	'Hummingbird' - low spreading variety with large, white flowers
Pink Spires	'Pink Spires' - rose pink buds that fade to white as they bloom
Rosea	'Rosea' - Pink buds and light pink flowers
Ruby Spice	'Ruby Spice' - rose pink flowers that do not lose color
September Beauty	'September Beauty' - Slightly more compact than species; late white flowers
Sixteen Candles	'Sixteen Candles' - particularly fragrant flowers, golden fall color
Anne Bidwell	'Anne Bidwell' - flowers larger than species; compact, to 6' tall
Creels Calico	'Creels Calico' - variable creamy white variegated foliage; white flowers; matures to 4' tall
Vanilla Spice	'Vanilla Spice' (a.k.a. 'Caleb') - Extra-large white flowers in 10-12" panicles; compact size
Crystalina	Dwarf Clethra that maintains its tight dense shape; 2.5-3' tall.

Photos



Clethra alnifolia Bark ED



Clethra alnifolia flower



Clethra alnifolia Pink Flowers ED



Clethra alnifolia full10



Clethra alnifolia Flowers ED



Clethra alnifolia full11



Clethra alnifolia Foliage ED



IMG 0027



IMG 0028



## Species: *Cornus amomum*

Silky Dogwood

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet  
 Height: 12'  
 Leaves: Deciduous  
 Shape: Irregular, layering to form colonies  
 Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade, Shade  
 Hardy To Zone: 4a  
 Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

No serious pests or diseases; occasionally susceptible to scale, borers, leaf miners, leaf spot, crown canker, blights, root rot, and powdery mildew

### Bare Root Transplanting

Any

## Cultivars for *Cornus amomum*

Showing **1-3** of **3** items.

Cultivar Name	Notes
Blue Cloud	'Blue Cloud' - bluish foliage; particularly blue fruit
Cinderella	'Cinderella' - ivory variegated foliage
Red Rover	Purple to red fall color; red stems in winter; 4-5' tall

Photos



Cornus amomum - Fruit



## Species: *Cornus racemosa*

(kore'nus race-eh-mosa)

### Gray Dogwood

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 10' - 15' (spread 10' - 15'; easily maintained at 6' - 8')

Leaves: Deciduous

Shape: Multi-stemmed large shrub, rarely single stemmed

Ornamental Other:

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: Wide range of moisture tolerance

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Easy

#### Other

spreads by suckering; good choice for roadside locations; can be pruned to within inches of the ground to increase fullness; has been grown as a small standard tree for use in restricted spaces. Native to Northeast U.S.

### Cultivars for *Cornus racemosa*

Showing **1-8** of **8** items.

Cultivar Name	Notes
Slavinii	'Slavinii' - dwarf form to 2-3' with a 4' spread; dense habit; short internodes; slightly twisted leaves
Emerald	'Emerald' - Glossy green leaves, superior form, pinkish fruits
Cuyahoga	'Cuyahoga' - Pyramidal tree form
Geauga	'Geauga' - A dense multi-stemmed with dark-green foliage and reddish new growth
Huron	'Huron' - rounded, globular form; 4' tall and wide; notable red fall color
Mahoning	'Mahoning' - a stoloniferous spreader to 10' tall; notable grey winter stem color
Muskingum	'Muskingum' - a dwarf form; 2' tall and 4' wide
Ottawa	'Ottawa' - Fastigiate tree form; 12' tall and 6' wide

Photos



Cornus racemosa - Bud



Cornus racemosa - Flowers



*Cornus racemosa* - Habit



*Cornus racemosa* - Flowers, Leaves



*Cornus racemosa* - Habit



*Cornus racemosa* - Leaves



*Cornus racemosa* - Flowers



*Cornus foemina*



*Cornus racemosa* - Fruit



## Species: *Cornus sanguinea*

(KOR-nus san-GWIN-ee-a)

### Bloodtwig Dogwood

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet

Height: 6'-15' H; 6'-15' W

Leaves: Deciduous

Shape: spreading, round-topped, multi-stemmed

Ornamental Other: tolerates range of soil conditions

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 5a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: suckers freely from roots and forms colony; needs frequent pruning to keep it presentable

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Any

#### Other

Not a specimen plant; use in mass plantings. Native to Europe

### Cultivars for *Cornus sanguinea*

Showing **1-5** of **5** items.

<b>Cultivar Name</b>	<b>Notes</b>
Winter Flame	'Winter Flame'- stems are fiery orange-yellow at the base and grade to pink and red at the tips; golden yellow fall color
Viridissima	'Viridissima'- yellowish green winter stems; best color occurs on current year's growth
Arctic Sun	'Arctic Sun' - dwarf; 3-4 feet high and wide
Compressa	'Compressa' - Fastigiate; dark green, deeply veined leaves; short internodes; few branches
Midwinter Fire	'Midwinter Fire' - improved winter stem color

Photos



*Cornus sanguinea* - Habit



*Cornus sanguinea* - Leaves, Flowers



Cornus sanguinea - Fruit



Cornus sanguinea - Flowers, Leaves



Cornus sanguinea - Buds



*Cornus sanguinea* - Habit



*Cornus sanguinea* - Immature Fruit



*Cornus sanguinea* - Habit, Winter Interest



*Cornus sanguinea* - Leaves, Buds



## Species: *Cornus sericea* or *alba*

(kore'nus al'bah)

Red Twig Dogwood; Redosier Dogwood; Tatarian Dogwood

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 6' - 8' (spread 5' - 8')

Leaves: Deciduous

Shape: rounded

Ornamental Other: Cut back every year or two to encourage new growth that has the best winter color

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: adaptable to cold; full sun or partial shade

### Insect Disease

borers can be a serious problem on weak or stressed shrubs; also - crown canker, flower and leaf blight, leaf spots, powdery mildew, twig blights, root rots, dogwood club gall, leaf miner, scales, and more

### Bare Root Transplanting

Easy

### Other

Basal pruning required in early spring to maintain bright red stems; easily transplanted; *C. Sanquinea* also excellent twig color but less hardy (Zone 5). *C. alba* is native to East Asia; *C. sericea* is native to North America.

Cultivars for *Cornus sericea* or *alba*

Showing 1-17 of 17 items.

Cultivar Name	Notes
Baileyi	'Baileyi' - <i>C. sericea</i> cultivar; good stem color, superior flowering and fruiting to species
Cardinal	'Cardinal' - <i>C. sericea</i> cultivar; superior stem color
Flaviramea	'Flaviramea' - <i>C. sericea</i> cultivar; bright yellow bark, susceptible to canker
Isanti	'Isanti' - <i>C. sericea</i> cultivar; relatively dwarf form, 5-6 feet tall, low, dense, mounding; heavy fruiting
Kelseyi	'Kelseyi' - <i>C. sericea</i> cultivar; dwarf form, to 3 feet
Silver and Gold	'Silver and Gold' - <i>C. sericea</i> cultivar; yellow bark form with variegated leaves
Alleman's Compact	'Alleman's Compact' - <i>C. alba</i> cultivar; relatively dwarf form, to 6' tall
Elegantissima	'Elegantissima' - <i>C. alba</i> cultivar; white variegated foliage
Ivory Halo	'Ivory Halo' - <i>C. alba</i> cultivar; white variegated foliage with more dense, compact habit than 'Elegantissima'
Bloodgood	'Bloodgood' - <i>C. alba</i> cultivar; markedly showy red stems
Bud's Yellow	'Bud's Yellow' - <i>C. alba</i> cultivar; bright yellow stems, a good substitute for the disease-prone <i>C. sericea</i> 'Flaviramea'
Gouchaultii	'Gouchaultii' - <i>C. alba</i> cultivar; yellow, pink, and white variegated leaves
Siberian Pearls	'Siberian Pearls' - superior flowers and fruits; white fruits mature to blue
Sibirica	'Sibirica' - superior coral-red stems and bluish fruits
Spaethii	'Spaethii' - yellow variegated leaves
Arctic Fire	Dark red stems, a compact version of 'Baileyi'
Pucker Up	Puckered, thick, glossy foliage; compact growth; 3-4'tall.

Photos



*Cornus alba* - Winter Interest



*Cornus sericea* - Bud



*Cornus sericea* - Fruit



*Cornus sericea* - Buds



*Cornus sericea* - Habit



Cornus alba - Leaves



Cornus sericea - Bark



Cornus alba 'Argenteo-marginata' - Habit



Cornus sericea or alba - Fruit, Leaves



## Species: *Dasiphora (Potentilla) fruticosa*

(poe-ten-til'ah frue-tih-koe'sah)

### Shrubby Cinquefoil

#### Cultivar Information

Over 130 named cultivars which vary according to flower color and mildew resistance; below are a few of the most noteworthy.

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub < 4 feet

Height: 3' - 4' (spread 8')

Leaves: Deciduous

Shape: rounded, dense, multi-stem

Ornamental Other: Will tolerate cold climates; not as drought tolerant as thought

#### Environmental Characteristics

Light: Full sun

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: bright yellow flowers bloom all summer and into fall; capsules persist at twig tips; twigs attract deer

#### Insect Disease

susceptible to powdery mildew

#### Bare Root Transplanting

Any

#### Other

native to northern hemisphere; transplants easily; slow-growing; needs rejuvenation pruning

Cultivars for *Dasiphora (Potentilla) fruticosa*

Showing 1-14 of 14 items.

Cultivar Name	Notes
Elizabeth	'Elizabeth' - yellow flowering
Goldfinger	'Goldfinger' - deep yellow flowers
Longacre	'Longacre' - possibly the most mildew resistant cultivar, yellow flowers
McKay's White	'McKay's White' - creamy white flowers
Marob	'Marob' - bright red flowers
Abbotswood	'Abbotswood' - prolific white flowers; bluish foliage
Abbotswood Silver	'Abbotswood Silver' - same as above but with white variegated leaves
Gold Drop	'Gold Drop' - rounded plant to 3 feet; yellow flowers; long-blooming
Pink Beauty	'Pink Beauty' - clear pink blossoms, semi-dwarf to 2 feet
Snowbird	'Snowbird' - white blossoms; double-flowering; lustrous foliage
Mango Tango	'Mango Tango' - bicolor flowers; orange-red radiating to yellow
Red Robin	'Red Robin' - red flowers that fade slightly to orange
Sundance	'Sundance' - double, yellow flowers
Yellow Gem	'Yellow Gem' - yellow flowers with ruffled petals

Photos



Potentilla fruticosa - flowers



closeup of Dasiphora leaf



Potentilla fruticosa - Flowers



Potentilla fruticosa - Fruit, Habit



Potentilla fruticosa - Flowers



Potentilla fruticosa - Flowers, Leaves



Potentilla fruticosa - Habit



Potentilla fruticosa - Bark



Potentilla fruticosa - Habit



## Species: *Diervilla* spp.

(deer-vill'lah)

### Dwarf Bush Honeysuckle

#### Cultivar Information

This is a genus with very few current cultivars, but its adaptability to urban environments may mean that more varieties will be forthcoming.

*D. lonicera* and *D. sessilifolia* are two very closely related species.

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover

Height: 3' - 5' (spread 3' - 5')

Leaves: Deciduous

Shape: spreading

Ornamental Other: full sun to moderate shade; trouble free

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: deep yellow trumpet shaped flowers in late June; early to leaf out; late to drop its leaves; good for mass planting on banks or large scale groundcover

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Any

#### Other

very vigorous, Native South Eastern US. Native range maps show closely related species *D. lonicera* and *D. sessilifolia*

Cultivars for *Diervilla* spp.Showing **1-6** of **6** items.

Cultivar Name	Notes
D. lonicera 'Copper'	D. lonicera 'Copper' - new leaves are copper colored
D, sessilifolia 'Butterflies'	'Butterflies' - excellent red fall color
Cool Splash	'Cool Splash' - white and green variegated foliage
Kodiak Orange	New spring foliage is orange. Orange fall color too. Very shade tolerant.
Kodiak Black	Dark burgundy foliage
Kodiak Red	Red spring foliage, red new growth and red fall color. Bright yellow flowers.

Photos







*Diervilla sessilifolia* - Leaves



Diervilla sessilifolia - Leaves



Diervilla sessilifolia - Flowers



Diervilla sessilifolia - Leaves



## Species: *Hippophae rhamnoides*

(hi-pof'ay-ee ram-noy'deez)

Sea Buckthorn; Common Sea Buckthorn

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet, Shrub < 4 feet

Height: 8' - 15'; equal spread

Leaves: Deciduous

Shape: irregular, rounded

Ornamental Other: Full sun; grows well in seaside sites, for ornamental purposes, male plants/sterile cultivars('Spite') are best due to the potential for this species to become invasive

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray, Tolerates salty soil

Environmental Other: silver/green willowlike leaves; bright orange berries in winter add seasonal interest

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

Need ratio of 6 females to 1 male for pollination to ensure fruit production; Fruit cultivated for fruit production; Native to Europe - Northern and Western China

## Cultivars for *Hippophae rhamnoides*

Showing **1-3** of **3** items.

Cultivar Name	Notes
Chuyskaya	Many female cultivars have been selected for fruit yield largely in Russia and northern Europe: 'Chuyskaya' - improved fruit yield 'Karima' - improved fruit yield 'Sprite' Dwarf male, fruitless
Karima	Many female cultivars have been selected for fruit yield largely in Russia and northern Europe: 'Chuyskaya' - improved fruit yield 'Karima' - improved fruit yield 'Sprite' Dwarf male, fruitless
Sprite	Many female cultivars have been selected for fruit yield largely in Russia and northern Europe: 'Chuyskaya' - improved fruit yield 'Karima' - improved fruit yield 'Sprite' Dwarf male, fruitless

Photos





Hippophae rhamnoides - Fruit



Hippophae rhamnoides - Leaves



Hippophae rhamnoides - Leaves



Hippophae rhamnoides - Habit



Hippophae rhamnoides - Fruit



Hippophae rhamnoides - Habit



Hippophae rhamnoides - Habit



## Species: *Hypericum* 'Hidcote'

Hidcote St. Johnswort

### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover  
Height: 18-24  
Leaves: Deciduous  
Shape: rounded  
Ornamental Other:

### Environmental Characteristics

Light: Full sun  
Hardy To Zone: 6b  
Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

## Photos



Hypericum 'Hidcote' - Flower



Hypericum 'Hidcote' - Leaf



Hypericum 'Hidcote' - Habit



Hypericum 'Hidcote' - Habit



Hypericum 'Hidcote' - Habit



Hypericum 'Hidcote' - Bark



Hypericum 'Hidcote' - Flower



Hypericum 'Hidcote' - Leaf



Hypericum 'Hidcote' - Fruit



## Species: *Hypericum frondosum*

(hye-per'i-kum fron-doe-sum)

Golden St. Johnswort

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover

Height: 3' - 4' (equal spread)

Leaves: Deciduous

Shape: round mounded

Ornamental Other: prefers full sun

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 6a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: bluish green foliage; bright yellow flowers bloom in June-July; reddish brown exfoliating bark

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

native to southeastern United States, May suffer from winter dieback in Zone 5.

## Cultivars for *Hypericum frondosum*

Showing **1-1** of **1** item.

Cultivar Name	Notes
Sunburst	'Sunburst' - larger flowers, lower growing

Photos



Hypericum frondosum - Flowers



Hypericum frondosum - Fruit



*Hypericum frondosum* - Habit



*Hypericum frondosum* - Leaves, Flowers



*Hypericum frondosum* - Habit, Flowers



Ethan M. Dropkin

*Hypericum frondosum* - Bark



*Hypericum frondosum* - Leaves



Ethan M. Dropkin

*Hypericum frondosum* - Buds



Hypericum frondosum - Leaves, Fruit



## Species: *Hypericum kalmianum*

Ames Kalm St. Johnswort

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover  
 Height: 2-4' high and wide  
 Leaves: Deciduous  
 Shape: mounded  
 Ornamental Other:

### Environmental Characteristics

Light: Full sun  
 Hardy To Zone: 4b  
 Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)  
 Salt Tolerance: Tolerates salt spray  
 Environmental Other: leaves bluish-green on top, glaucous beneath, bright yellow flowers in July, grass-like leaves provide fine texture when planted as a groundcover

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

## Cultivars for *Hypericum kalmianum*

Showing 1-1 of 1 item.

Cultivar Name	Notes
---------------	-------

Cultivar Name	Notes
Ames	'Ames' - most cold hardy, 2' tall ~Blue Velvet™ - superior blue foliage ~Gemo™ - prolonged bloom period ~Sunny Boulevard™ - compact, mounding form with dark green leaves

Photos





*Hypericum kalmianum* 'Ames' - Habit, Flowers



*Hypericum kalmianum* 'Ames' - Flowers



*Hypericum kalmianum* 'Ames' - Leaves



*Hypericum kalmianum* 'Ames' - Habit, Flowers



*Hypericum kalmianum* 'Ames' - Habit, Seeds, Leaves



*Hypericum kalmianum* 'Ames' - Bark



*Hypericum kalmianum* 'Ames' - Habit



## Species: *Hypericum prolificum*

(hye-per'i-kum pro-lif'i-kum)

Shrubby St. Johnswort

### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover

Height: 1' - 4' (equal spread)

Leaves: Deciduous

Shape: dense shrub with stiff, erect stems

Ornamental Other: full sun to part shade; tolerant of dry, rocky, heavy soils

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 4b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: bright yellow flowers in June/Aug; bright green leaves provide fine texture

### Insect Disease

relatively trouble free; wilt may be a problem

### Bare Root Transplanting

Any

### Other

best transplanted from container. Native in US in mid Atlantic states west to Iowa, south to Georgia

## Photos





Hypericum prolificum Flower



Hypericum prolificum Flowers



Hypericum prolificum Flower Bud



Hypericum prolificum habit in flower



Hypericum prolificum Bark



Hypericum prolificum Foliage



*Hypericum prolificum* Immature Fruit



## Species: *Ilex glabra*

(eye'leks glay'brah)

Inkberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 6' - 8' (spread 8' - 10')

Leaves: Evergreen

Shape:

Ornamental Other: shade tolerant; protect from winter winds in northern reaches of hardiness

### Environmental Characteristics

Light: Full sun, Part shade, Shade

Hardy To Zone: 5a

Soil Ph: Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Salt Tolerance: Tolerates salt spray

Environmental Other: broadleaf evergreen; well suited to mass planting or as a hedge; responds well to shearing; glossy green foliage; black fruit

### Insect Disease

usually trouble-free; mites can be a problem on dry sites

### Bare Root Transplanting

Any

### Other

native to eastern coastal US, north to Nova Scotia

## Cultivars for *Ilex glabra*

Showing **1-5** of **5** items.

Cultivar Name	Notes
Compacta	'Compacta' - dense, oval habit
Ivory Queen	'Ivory Queen' - white fruited instead of black fruited
Nordic	'Nordic' - extremely cold hardy form; notable for its broad growth habit and dark green lustrous foliage; a male selection
Shamrock	'Shamrock' - best dwarf form with glossy deep green; rounded; 3 to 5' high
Gem Box	Dark green leaves and rounded habit. 2-3' wide and tall.

Photos



*Ilex glabra* - Leaves, Fruit



*Ilex glabra* - Leaves



Ilex glabra - Leaves



Ilex glabra - Leaves



Ilex glabra - Habit



*Ilex glabra* - Habit



*Ilex glabra* - Fruit



*Ilex glabra* - Flowers



Ethan M. Dropkin

*Ilex glabra* - Bark



## Species: *Ilex verticillata*

(eye'leks ver-ti-si-lay'tah)

### Winterberry

#### Cultivar Information

There are many cultivars and varieties of this species. a fairly comprehensive list is below but others exist, and more are likely to be created in the future.

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet, Shrub < 4 feet

Height: 6' - 8' (spread 6' - 12')

Leaves: Deciduous

Shape: upright, rounded

Ornamental Other: dioecious and deciduous; there must be occasional males for pollination and fruiting

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4a

Soil Ph: Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Environmental Other: bright red fruits appear while leaves are still green and persist throughout winter; yellow fall color; deciduous; Requires male for pollination

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Any

#### Other

Native to Eastern N. America.

Cultivars for *Ilex verticillata*

Showing 1-17 of 17 items.

Cultivar Name	Notes
Afterglow	'Afterglow' - reddish orange fruits; very glossy leaves; compact habit
Aurantiaca	'Aurantiaca' - slightly dwarf to 5 feet; orange-red fruit that fades to orange-yellow; early flowering
Cacapon	'Cacapon' - slightly dwarf to 5 feet; heavy fruiting; glossy green leaves
Chrysocarpa	'Chrysocarpa' - yellow-fruited form
Jim Dandy	'Jim Dandy' - slightly dwarf to 5 feet; early flowering male clone for pollinating early flowering female cultivars ('Afterglow', 'Aurantiaca', 'Red Sprite', etc.)
Red Sprite	'Red Sprite' - dwarf female clone to 4' tall; low, mounding habit; early bloomer; very large, persistent red fruits
Shaver	'Shaver' - an early-flowering form, slightly dwarf to 5 feet; produces orange-red fruit and glossy leaves
Southern Gentlemen	'Southern Gentlemen' - late flowering male clone for pollinating late flowering female cultivars ('Cacapon', 'Sparkleberry', 'Shaver', 'Winter Gold', 'Winter Red', etc.)
Stoplight	'Stoplight' - newer late flowering selection with large, deep red fruit and glossy foliage; to 8 feet
Sunsplash	'Sunsplash' - female selection with splotchy yellow variegated leaves
Winter Gold	'Winter Gold' - late flowering female selection; pinkish or golden-orange fruit; light green leaves
Winter Red	'Winter Red' - one of the most popular cultivars; profuse bright red fruits; rounded; to 8 feet
Apollo	'Apollo' - <i>Ilex verticillata</i> x <i>serrata</i> hybrid; late flowering male clone with new growth emerging red
Autumn Glow	'Autumn Glow' - <i>Ilex verticillata</i> x <i>serrata</i> hybrid; dense growth to 10'
Bonfire	'Bonfire' - <i>Ilex verticillata</i> x <i>serrata</i> hybrid; profusion of early season fruits; fruit at an early age; mounding habit to 10 feet
Raritan Chief	'Raritan Chief' - <i>Ilex verticillata</i> x <i>serrata</i> hybrid; male clone useful for its long flowering period; to 12 feet; glossy green foliage
Sparkleberry	'Sparkleberry' - <i>Ilex verticillata</i> x <i>serrata</i> hybrid; popular cultivar; to 12 feet; long-persisting medium-sized fruit

Photos







*Ilex verticillata* Bark ED



*Ilex verticillata* Winter



*Ilex verticillata* Male Flower ED



Ilex verticillata Female Flowers ED



Ilex B BRBnewgarden



## Species: *Itea virginica*

(eye-tee'ah ver-jin'i-kah)

Virginia Sweetspire; Virginia-willow

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub < 4 feet

Height: 3' - 5' (equal or greater spread)

Leaves: Deciduous

Shape: shrub with rounded - mounded, irregular habit

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 5a

Soil Ph: Requires acid (pH 5.0 to 7.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: full sun to heavy shade

### Insect Disease

relatively trouble free

### Bare Root Transplanting

Easy

### Other

native to southeastern US, north to NJ; natural habitat is shaded stream banks; colonizing and irregular shrub; requires little to no maintenance

## Cultivars for *Itea virginica*

Showing 1-7 of 7 items.

<b>Cultivar Name</b>	<b>Notes</b>
Henry's Garnet	'Henry's Garnet' - more cold-tolerant with flowers and fall color superior to species
Little Henry	'Little Henry' - dwarf form to 4'
Long Spire	'Long Spire' - notably long racemes
Merlot	'Merlot' - compact habit with red fall foliage
Morton	'Morton' - best high pH tolerance, to 7.0 approximately
Sara Eve	'Sara Eve' - pale pink flowering
Saturnalia	'Saturnalia' - matures to a smaller size than species, comparable to 'Henry's Garnet'

Photos



Itea virginica - Bud



Itea virginica - Fall Interest



Itea virginica - Flowers



Itea virginica - Flowers



Itea virginica - Flowers



Itea virginica - Leaves



Itea virginica - Habit



Itea virginica - Fruit



*Itea virginica* - Bark



## Species: *Morella (Myrica) pensylvanica*

(mo-rel'-ah pen-sil-vay'ni-kah)

Bayberry; Candleberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 6' - 8' (spread equal or greater)

Leaves: Deciduous

Shape: rounded

Ornamental Other: capable of fixing and using atmospheric nitrogen; can handle poor soil conditions

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: aromatic, semi-evergreen leaves; waxy silver berries persist through winter; dioecious; females produce gray/blue berries; fruits and leaves are eaten by many winter birds

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

slow growing, native to Eastern (sea-shore sites) N. America.

## Cultivars for *Morella (Myrica) pensylvanica*

Showing **1-2** of **2** items.

Cultivar Name	Notes
Bobbee	'Bobbee' - female clone; dense growth; 6 to 8 feet high and wide
Silver Sprite	'Silver Sprite' - female clone; broadly mounding; silvery-grey leaves; semi-dwarf to 5 feet

Photos



*Morella pensylvanica* - Fruit



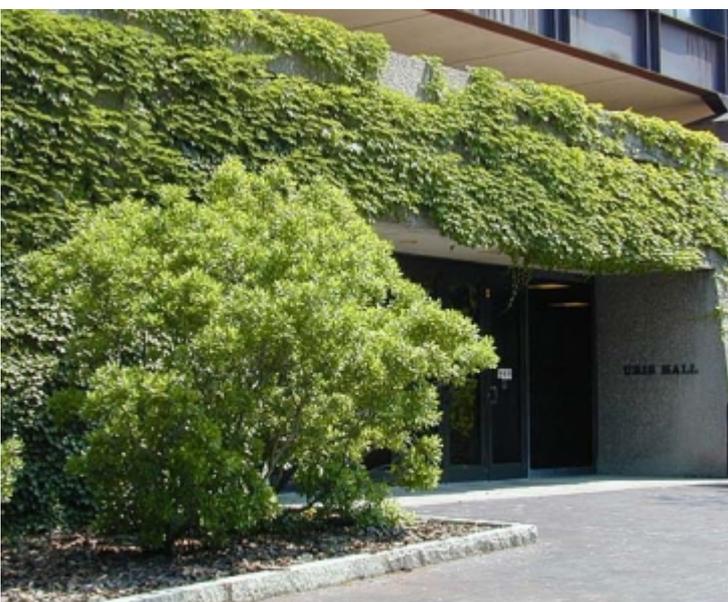
*Morella pensylvanica* - Fruit



Morella pensylvanica - Leaves



Morella pensylvanica - Habit



Morella pensylvanica - Habit



Morella pensylvanica - Leaves



Morella pensylvanica - Bark



Morella pensylvanica - Leaves



Morella pensylvanica - Flowers



## Species: *Physocarpus opulifolius*

(fye-so-kar'pus op-u-li-fo'lee-us)

Common Ninebark; Eastern Ninebark

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 5' - 10' (spread 6' - 10')

Leaves: Deciduous

Shape: upright, spreading shrub

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: very tough and adaptable

### Insect Disease

basically trouble free

### Bare Root Transplanting

Easy

### Other

easily transplanted, native to Northeastern US and Canada.

## Cultivars for *Physocarpus opulifolius*

Showing **1-11** of **11** items.

Cultivar Name	Notes
Center Glow	'Center Glow' - foliage emerges green and gold and slowly fades to burgundy as they mature
Dart's Gold	'Dart's Gold' - semi-dwarf to 5 feet; chartreuse foliage turns orange in fall
Diablo	'Diablo' - deep purple foliage
Lady in Red	'Lady in Red' - compact habit; burgundy foliage; pink flowers
Little Devil	'Little Devil' - semi-dwarf to 4 feet; compact habit; white-pink flowers, deep burgundy foliage
Luteus	'Luteus' -yellow foliage turns yellow-green then green
Nanus	'Nanus' - dwarf to two feet, green foliage, profuse pinkish-white flowers
Nugget	'Nugget' - chartreuse foliage; dense habit; 6 feet tall and wide; superior to 'Dart's Gold'
Snowfall	'Snowfall' - green foliage; dense habit to 7 feet; showier flowers and foliage than species
Summer Wine	'Summer Wine' - deeply cut, wine-red foliage; dense, mounding growth habit
Ginger Wine	5-6' tall and wide. Red and burgundy foliage. Showy red seeds heads.

Photos



*Physocarpus opulifolius* 'Diablo'



*Physocarpus opulifolius* - Habit



Physocarpus opulifolius - Bark



Physocarpus opulifolius - Bud



Physocarpus opulifolius - Flowers



*Physocarpus opulifolius* "Diablo" - Habit, Fall Interest



*Physocarpus opulifolius* - Flowers



*Physocarpus opulifolius* - Flowers



Physocarpus opulifolius - Leaves



## Species: *Rhus copallina* ( *Rhus coppalinum* )

Flameleaf Sumac, Shining Sumac

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet

Height:

Leaves: Deciduous

Shape:

Ornamental Other:

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 4b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

## Cultivars for *Rhus copallina* ( *Rhus coppalinum* )

Showing **1-3** of **3** items.

Cultivar Name	Notes
Prairie Flame	'Prairie Flame' (a.k.a var. latifolia, 'Morton') - semi-dwarf to 7 feet; glossy green foliage; even better fall color than species
Lanham's Purple	'Lanham's Purple' - bright purple emergent foliage that fades to glossy red-green through the growing season; more colorful flowers than species; excellent fall color

Cultivar Name	Notes
Creel's Quintet	'Creel's Quintet' - compact form; burgundy-red fall color; suckering habit; female form; only 5 leaflets per leaf, as opposed to the 9 or more produced on the species; grows to 8 -10' tall and wide

Photos





*Rhus copallina* Lanhams Purple leaves



Rhus copallina - Leaves, Fall Interest



Rhus copallina - Leaves



Rhus copallina - Bark



Rhus copallina - Spent Fruit



Rhus copallina - Leaves, Fall Interest



## Species: *Rosa palustris*

### Swamp Rose

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 3-6'

Leaves: Deciduous

Shape: multistem suckering shrub

Ornamental Other:

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4a

Soil Ph: Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Environmental Other: A wetland rose native to Eastern and Central North America

#### Insect Disease

Not generally susceptible to the diseases and pests that attack many of the hybrid roses. Pest and disease problems associated with other roses which might rarely affect this species could include: black spot, powdery mildew, rust, aphids, beetles, borers, scale, thrips, rose midges and leafhoppers.

#### Bare Root Transplanting

Any

#### Other

Glossy green foliage; large, fragrant pink flowers throughout summer; glossy, red, persistent hips

## Cultivars for *Rosa palustris*

Showing **1-1** of **1** item.

<b>Cultivar Name</b>	<b>Notes</b>
var. scandens	var. scandens - more graceful and arching than species

Photos



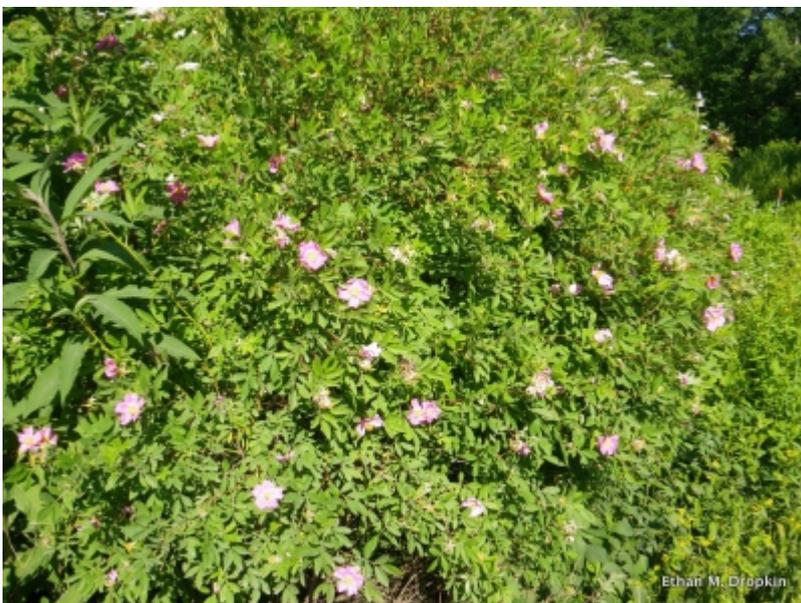
Rosa palustris Flower



Rosa palustris Flower2



Rosa palustris Full Plant



Rosa palustris Full Plant2



Rosa palustris Hips



Rosa palustris hips



## Species: *Salix candida*

Sageleaf Willow; Hoary Willow

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub < 4 feet

Height: 3-4'

Leaves: Deciduous

Shape: caning, upright shrub to small tree

Ornamental Other: Foliage can be leathery and glossy green on top and felted silver-grey beneath or silvery-grey and pubescent on top and bottom. It bears yellow catkins in the spring.

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: Native across almost all of northern North America. One of the most extremely cold hardy plants, hardy to USDA Zone 1. Very tolerant of saturated soils and high pH. It's drought tolerance is untested but is likely good.

### Insect Disease

### Bare Root Transplanting

Any

## Cultivars for *Salix candida*

Showing 1-1 of 1 item.

Cultivar Name	Notes
Silver Fox	'Silver Fox' - compact, dwarf form; felted, bright silvery leaves; dramatic yellow winter buds and twigs; grows to 3' tall and wide

Photos







## Species: *Salix caprea*

(say'liks cap'ree-ah)

Goat Willow; Pussy Willow

### Cultivar Information

This European species has few cultivars how ever there are several closely related species that also can sometime be found in cultivation: *S. discolor* (North America; 'Rosea' has pale rosy catkins), and *S. gracilistyla* (Asia; 'Melanostachys' bears black catkins with red anthers)

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 15' - 25' (to 30') (12' - 15' spread)

Leaves: Deciduous

Shape: shrub or small tree

Ornamental Other: best in full sun (rangy in shade)

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: flowers very early - March or April; soft silky catkins (hence the common name)

### Insect Disease

short-lived due to many insect and disease problems

### Bare Root Transplanting

Any

### Other

native to Europe, northeast Asia, Japan. Range map is for *Salix discolor*, native to North America

## Cultivars for *Salix caprea*

Showing **1-2** of **2** items.

Cultivar Name	Notes
Curly Locks	'Curly Locks' - grafted weeping tree with twisted branches and foliage
Pendula	'Pendula' (a.k.a.'Kilmarnock' and 'Weeping Sally') - grafted weeping tree

Photos



Salix caprea - Fruit



Salix caprea - Fruit, Leaf



Salix caprea - Habit



Salix caprea - Habit



Salix caprea - Habit



Salix caprea - Leaves



Salix caprea - Male Catkins, Male Fruit



Salix caprea - Habit



Salix caprea - Bark

Ethan M. Dropkin



## Species: *Salix eleagnos*

### Rosemary Willow

#### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet

Height: 4-15'

Leaves: Deciduous

Shape: Long upright branches with grey/green leaves from base to tip.

Ornamental Other: Distinctive fine textural effect of rosemary like willow leaves. Benefits from cutting back every year or two to encourage dense growth and control height

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 4a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

#### Insect Disease

#### Bare Root Transplanting

Any

#### Other

Native to central and southern Europe

### Photos







white underside



Mass Planting



## Species: *Salix irrorata*

Dewystem Willow; Bluestem Willow

### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 6 - 10'

Leaves: Deciduous

Shape: dense, upright form

Ornamental Other: Stems are bluish-white to blue/bluish purple. Stem color contrasts well with yellow spring catkins and yellow fall foliage.

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 5a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

### Bare Root Transplanting

Any

## Photos







# Species: *Salix myricoides*

Bayberry Willow

## Ornamental Characteristics

- Size: Shrub 4 to 8 feet
- Height:
- Leaves: Deciduous
- Shape:
- Ornamental Other:

## Environmental Characteristics

- Light: Full sun, Part shade
- Hardy To Zone: Any
- Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

## Insect Disease

## Bare Root Transplanting

Any

## Photos







## Species: *Salix purpurea*

(say'liks per-poo'ree-ah)

Purple osier Willow; Basket Willow

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet

Height: 8' - 10' (spread 12' - 15')

Leaves: Deciduous

Shape: round, dense, finely branched

Ornamental Other: best in full sun

### Environmental Characteristics

Light: Full sun

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: best in full sun

### Insect Disease

prone to a variety of insect and disease problems

### Bare Root Transplanting

Any

### Other

*S. purpurea* native to Europe, North Africa, central Asia, Japan; introduced by Soil Conservation Service, USDA; useful for stream bank stabilization; lay bundles in stream stabilization areas and will send up shoots to help prevent erosion; needs maintenance to remain attractive; useful for phytoremediation

## Cultivars for *Salix purpurea*

Showing **1-6** of **6** items.

Cultivar Name	Notes
Canyon Blue	'Canyon Blue' - semi-dwarf to 5 feet; steely blue-gray foliage; low and rounded
Gracilis	'Gracilis' - medium height to 6 feet; slender upright stems
Pendula	'Pendula' - spreading, pendant growth habit
Nana	'Nana' - semi-dwarf to 6 feet; striking blue-green foliage
Nancy Saunders	'Nancy Saunders' - female clone; silvery-grey leaves on glossy, maroon-red stems
Streamco	'Streamco' - very vigorous growth; readily suckers and self layers; selected for streambank stabilization

Photos



Salix purpurea 'Nana'



Salix purpurea - Habit



Salix purpurea - Leaves



Salix purpurea - Leaves



Salix purpurea leaves2



Salix purpurea 'Streamco' - Habit



Salix purpurea 'Pendula' - Habit



Salix purpurea twig



Salix purpurea - Habit



## Species: *Salix repens*

### Creeping Silver Willow

#### Ornamental Characteristics

Size: Shrub < 4 feet, Groundcover  
 Height: 2' tall x 5' wide  
 Leaves: Deciduous  
 Shape: low massing  
 Ornamental Other:

#### Environmental Characteristics

Light: Full sun  
 Hardy To Zone: 4a  
 Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)  
 Salt Tolerance: Tolerates salt spray

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Easy

#### Other

native to northern European coastal areas- North Sea to Baltic Sea, also found in inland Scotland

### Photos



Salix repens on Tower Rd bioswale





Salix repens - Leaves



Salix repens - Leaves



Salix repens- Habit



Salix repens - Leaves



Salix repens - Habit



Salix repens - Habit



Salix repens- Leaves



## Species: *Sambucus canadensis*

(sam-bue'kus can-ah-den'sis)

### American Elder

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 5' - 12' (spread 8' - 15')

Leaves: Deciduous

Shape: broad-rounded

Ornamental Other: full sun

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Salt Tolerance: Tolerates salt spray

Environmental Other: small white flowers appear in early June; blue-black edible fruit in late summer used for jelly and wine, attracts birds

#### Insect Disease

No diseases listed

#### Bare Root Transplanting

Any

#### Other

suckers profusely; requires heavy pruning to be kept in presentable condition

### Cultivars for *Sambucus canadensis*

Showing **1-5** of **5** items.

Cultivar Name	Notes
Adams	'Adams' - larger, more numerous fruits than species
Aurea	'Aurea' - large (to 10 feet), golden leaved variety
Laciniata	Laciniata - deeply incised green leaves
Variegata	Variegata - narrow leaflets with creamy white-yellow variegation; prefers semi-shade for best foliage color
York	'York' - larger, more numerous fruits than species; similar to 'Adams'

Photos



*Sambucus canadensis* - Flowers



*Sambucus canadensis* - Leaves, Fruit



Sambucus canadensis - Buds



Sambucus canadensis - Habit



Sambucus canadensis - Habit



Sambucus canadensis - Fruit



Sambucus canadensis - Fruit



Sambucus canadensis - Leaves



Sambucus canadensis - Flower Buds



## Species: *Sambucus nigra*

European Black Elderberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet, Shrub 4 to 8 feet

Height: 8-20'

Leaves: Deciduous

Shape: Mounding, spreads by canes

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

### Bare Root Transplanting

Any

## Cultivars for *Sambucus nigra*

Showing **1-2** of **2** items.

Cultivar Name	Notes
Black Beauty	'Black Beauty'- dark purple foliage; lemon-scented, pink flowers
Black Lace	'Black Lace' - deeply incised dark purple foliage; lemon-scented, pink flowers; dark blackish-red fruits

Photos



*Sambucus nigra* 'Black Lace' - Flowers



*Sambucus* spp.



*Sambucus nigra* 'Black Lace' - Habit, Flowers, Leaves



*Sambucus nigra* - Habit



Sambucus nigra - flower



Sambucus nigra- Flower



Sambucus nigra- Foliage



## Species: *Sambucus pubens/racemosa*

Red Elderberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Tree < 30 feet, Shrub > 8 feet, Shrub 4 to 8 feet

Height: 15'

Leaves: Deciduous

Shape: multi-stem, suckering to form large colonies

Ornamental Other: Large racemes of small white to pink flowers; glossy red fruits; foliage color of green, yellow, and purple by cultivar

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: Any

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

Some susceptibility to canker, powdery mildew, leaf spot, borers, spider mites and aphids.

### Bare Root Transplanting

Any

### Other

*S. racemosa* is native across northern Eurasia whereas the closely related *S. pubens* is native from northern North America

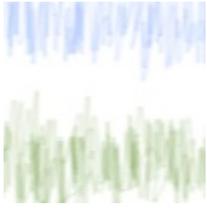
## Cultivars for *Sambucus pubens/racemosa*

Showing 1-2 of 2 items.

Cultivar Name	Notes
---------------	-------

<b>Cultivar Name</b>	<b>Notes</b>
Sutherland Gold	'Sutherland Gold' - deeply incised, golden leaved variety
Plumosa Aurea	'Plumosa Aurea' - slighty incised, golden leaved variety; new foliage emerges burgundy and fades to gold

## Photos



## Species: *Shepherdia argentea*

Silver Buffaloberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet  
 Height: 3-20'  
 Leaves: Deciduous  
 Shape: Irregular  
 Ornamental Other:

### Environmental Characteristics

Light: Full sun  
 Hardy To Zone: 3a  
 Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)  
 Salt Tolerance: Tolerates salt spray, Tolerates salty soil  
 Environmental Other: capable of nitrogen fixation; dioecious; edible fruit

### Insect Disease

No serious pests or diseases. White heart rot sometimes a problem in older plants.

### Bare Root Transplanting

Any

## Cultivars for *Shepherdia argentea*

Showing 1-1 of 1 item.

Cultivar Name	Notes
Sakakawea	'Sakakawea' - yellow fruiting variety

## Photos



## Species: *Spiraea tomentosa*

Steeplebush, Hardhack

### Ornamental Characteristics

Size: Shrub < 4 feet

Height: 2-4'

Leaves: Deciduous

Shape: upright, multi-stem shrub

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Salt Tolerance: Tolerates salt spray

Environmental Other: Tall, dense racemes of small pink to rose-purple flowers; textured green leaves covered in orange hairs beneath

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

## Photos



Spiraea tomentosa - Flowers



Spiraea tomentosa - Flowers



Spiraea tomentosa - Habit



## Species: *Symphoricarpos albus*

### Common Snowberry

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub 4 to 8 feet, Shrub < 4 feet

Height: 3-6'

Leaves: Deciduous

Shape: dense rounded habit

Ornamental Other: Small bell shaped rose-pink and white flowers that mature into large white "marshmallow-like" fruits

#### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: Any

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

#### Insect Disease

No serious pest or disease problems. Anthracnose, leaf spot, powdery mildew, rust, berry rot, and spider mites may occur.

#### Bare Root Transplanting

Any

#### Other

Native to northern North America, many closely related species and varieties in Europe, Asia and North America

### Cultivars for *Symphoricarpos albus*

Showing **1-2** of **2** items.

Cultivar Name	Notes
var. laevigatus	var. laevigatus - more vigorous than species; larger in all parts, particularly the fruits; grows to taller than 6 feet
Variegata	'Variegata' - variegated white-edged leaves

Photos



Symphoricarpos albus - Fruit



## Species: *Viburnum lentago*

(vye-bur'num len-tay'goh)

Nannyberry Viburnum; Nannyberry; Sheepberry

### Cultivar Information

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 20' - 35' (spread 10' - 20')

Leaves: Deciduous

Shape: large shrub or small tree with vase shaped habit

Ornamental Other: resistant to heat

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

### Insect Disease

Susceptible to mildew; moderately susceptible to V. Leaf Beetle

### Bare Root Transplanting

Any

### Other

transplants easily B & B in spring; Native to Northeast and Midwest US and Canada.

## Cultivars for *Viburnum lentago*

Showing **1-2** of **2** items.

Cultivar Name	Notes
Deep Green	'Deep Green' - large to 20 feet; lustrous dark green leaves

---

Cultivar Name	Notes
Pink Beauty	'Pink Beauty' - pink fruits that turn purple with age

Photos



V.lentago on Buffalo St



Flowers



Viburnum lentago - Fall Interest



Viburnum lentago - Flowers



Viburnum lentago - Leaves



Viburnum lentago - Habit



Viburnum lentago - Habit



Viburnum lentago - Habit



Viburnum lentago - Bud



## Species: *Viburnum nudum*

Naked Viburnum, Smooth Witherod, or Possumhaw

### Cultivar Information

*V. cassinoides* is a more northern species; *V. nudum* is sometimes recognized as a sub-species of *V. cassinoides*.

\* See specific cultivar notes on next page.

### Ornamental Characteristics

Size: Shrub 4 to 8 feet

Height: 8' - 10' (spread 8' - 10')

Leaves: Deciduous

Shape: rounded, upright

Ornamental Other:

### Environmental Characteristics

Light: Full sun, Part shade

Hardy To Zone: 5b

Soil Ph: Requires acid (pH 5.0 to 7.0)

### Insect Disease

No diseases listed

### Bare Root Transplanting

Any

### Other

Native to eastern US

## Cultivars for *Viburnum nudum*

Showing **1-6** of **6** items.

Cultivar Name	Notes
Brandywine	'Brandywine' - glossy leaves, better fruit color than species; wine-red fall foliage
Count Pulaski	'Count Pulaski' - large glossy leaves, better fruit color than species
Deep Pink	'Deep Pink' - <i>V. cassinoides</i> cultivar; deep pink fruits
Narrow Leaved	'Narrow Leaved' - leaves are smaller than those of the species; very long lasting red-purple fall color; dense habit; heavy fruiting; grows to 6 - 8' tall x 5 - 6'
Pink Beauty	'Pink Beauty' - relatively compact, to 6'; leaves, fruit, and fall color attractive as with species
Winterthur	'Winterthur' - glossy leaves, excellent fruit color

Photos



*Viburnum nudum* - Bark



*Viburnum nudum* - Flower Buds



Viburnum nudum - Leaves



Viburnum nudum - Habit



Viburnum nudum - Flowers



Viburnum nudum - Leaves



Viburnum nudum - Leaf



Viburnum nudum - Fruit



Viburnum nudum - Fruit



## Species: *Viburnum prunifolium*

(vye-bur'num prue-ni-fo'lee-um)

### Black Haw Viburnum

#### Cultivar Information

\* See specific cultivar notes on next page.

#### Ornamental Characteristics

Size: Shrub > 8 feet

Height: 12' - 15' (8' - 12' spread)

Leaves: Deciduous

Shape: round-headed tree or multi-stem shrub with stiff branches. Irregular shape.

Ornamental Other: very adaptable; sun or shade

#### Environmental Characteristics

Light: Full sun, Part shade, Shade

Hardy To Zone: 3b

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

#### Insect Disease

mildew resistant; occasionally susceptible to scale and borers; Moderately susceptible to V. Leaf Beetle

#### Bare Root Transplanting

Any

#### Other

transplants well, edible fruit, native to Northeast US.

## Cultivars for *Viburnum prunifolium*

Showing 1-4 of 4 items.

Cultivar Name	Notes
Early Red	'Early Red' - emerging leaves are tinged red; fall foliage is deep red

Cultivar Name	Notes
Knighthood	'Knighthood' - dark purple fall color; mildew resistant
Ovation	'Ovation' - upright, columnar habit to 10 feet tall; emerging leaves are reddish; mildew resistant
Summer Magic	'Summer Magic' - more rounded, tight habit than species; beautiful yellow and red fall foliage

Photos



*Viburnum prunifolium*, habit, fall interest



*Viburnum prunifolium* - Leaves, Fall Interest



*Viburnum prunifolium* - Flowers



*Viburnum prunifolium* - Leaves



*Viburnum prunifolium* - Habit



*Viburnum prunifolium* - Habit



*Viburnum prunifolium* - Flowers



*Viburnum prunifolium* - Flowers



Viburnum prunifolium - Buds