

# New England Wetland Plants, Inc.

## 2018 Wholesale Pricing

Native Trees, Shrubs, and Herbaceous Plants  
Native Seed Mixes  
Bioengineering and Erosion Control Products

*For Conservation, Wetland Restoration,  
Water Quality Basins, and Naturalistic Landscaping*



820 West St, Amherst, MA 01002  
Phone (413) 548-8000  
Email: [info@newp.com](mailto:info@newp.com)  
[www.newp.com](http://www.newp.com)



New England Wetland Plants, Inc. is dedicated to providing the highest quality native plant material, erosion control products, and native seed mixes for the ecological restoration industry, landscape contractors, and nurseries. Thanks to the support of our customers we continue to increase the selection, quality and quantity of our plant material. We are committed to propagating local genotypes of species native to New England and to providing an excellent value on our products.

# TABLE OF CONTENTS

Trees	page 4
Shrubs	page 10
Ferns	page 18
Herbaceous Plants	page 20
Wetland Cross Section	page 32
Seed Mixes	
New England Wetmix (Wetland Seed Mix)	page 34
New England Erosion Control/Restoration Mix for Detention Basins & Moist Sites	page 34
New England Conservation Wildlife Mix	page 35
New England Warm Season Grass Mix	page 35
New England Wildflower Mix	page 36
New England Showy Wildflower Mix	page 36
New England Erosion Control/Restoration Mix for Dry Sites	page 36
New England Roadside Matrix Wet Meadow Seed Mix	page 37
New England Roadside Matrix Upland Seed Mix	page 37
New England Logging Road Mix	page 38
New England Coastal Salt Tolerant Mix	page 38
New England Semi-Shade Grass and Forbs Mix	page 38
Erosion Control Products	page 39
Index of Plants by Common Name	page 41
Table of Plant Characteristics	page 46
Directions	page 54
Terms and Conditions	page 55

Refer to our web site [www.newp.com](http://www.newp.com)  
For additional new species, new seed mixes and other recent changes.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability.  
The design criteria and ecological function of each mix will remain unchanged.



## Habitat Symbols



Submerged aquatic plants found in two to five feet of water at maturity.



Aquatic emergent plants found in up to two feet of water at maturity.



Plants found on shore edge and into shallow water, flood plain, and riparian zones at maturity.



Plants found on the shore edge of ponds, lakes, streams and rivers.



Plants found in wet meadows and other open locations.



Plants found in forested wetlands and other shaded areas.



Plants found in drier sites.



Plants found in salt marshes, or that are salt tolerant.



Plants used for erosion control and soil bioengineering.

## SHADE TOLERANCE



INTOLERANT



INTERMEDIATE



TOLERANT

## Wetland Indicator Status

<b>(OBL) Obligate Wetland Species:</b>	Plants that occur almost always (estimated probability >99%) in wetlands, in natural conditions.
<b>(FACW) Facultative Wetland Species:</b>	Plants that usually occur in wetlands (estimated probability 67%-99%), but occasionally are found in non-wetlands
<b>(FAC) Facultative Species:</b>	Plants equally likely to occur in wetlands or non-wetlands, (estimated probability 34%-66% in wetlands).
<b>(FACU) Facultative Upland Species:</b>	Plants usually found in non-wetlands (estimated probability 67%-99%), but occasionally found in wetlands, (estimated probability 1%-33%).
<b>(UPL) Obligate Upland Species:</b>	Plants almost always found in non-wetlands (estimated probability >99%).

All art work drawn by Steve Johnson



# TREES\*

## *Abies balsamea*

(Balsam Fir)

This northern native evergreen (40-60') is an excellent addition to buffer zone plantings or drier portions within or along the edges of wetland mitigation areas. Tolerates low-fertility, acidic sites. A species of extremes, dry to wet sites. Provides winter cover for birds and small mammals. (FAC)



Size	1-50	51+
18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50

## *Acer negundo*

(Box Elder Maple)

A medium height, fast growing tree (30-50') of dry to moist soils. This maple has a compound leaf similar to an ash leaf. Tolerates compacted and low-fertility sites. Song birds and squirrels eat the seeds. (FAC+)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## *Acer pensylvanicum*

(Striped Maple)

Small deciduous understory tree, 30-40' tall. An important wildlife food. These trees can change gender. Found on moist, acidic soils in deep valleys and on cool, moist, shaded north-facing slopes. (FACU)



18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50
4'-6'	\$15.00	\$14.50

## *Acer rubrum*

(Red Maple)

A fast-growing tree (60-75') with fall foliage. Seed, sap, and buds serve as food for wildlife. One of the most common trees in northeast wetlands. (FAC)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## *Acer saccharinum*

(Silver Maple)

Rapid growing shade tree (60-80'). Grows in a wide range of soils. Common to floodplain forests. (FACW)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## *Acer saccharum*

(Sugar Maple)

A medium-tall tree (60-80') of rich, moist, well-drained soils. Seedlings are shade tolerant. Important source of browse and seeds for wildlife food. Sap is used in syrup production. (FACU-)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$1400	\$13.50

**\*Trees grown in #2 pots**



## ***Betula alleghaniensis***



### **(Yellow Birch)**



A medium-tall tree (60-70') of cool, moist forests. Peeling, yellow bark in maturity. Tolerates a wide range of soil conditions. (FAC)

Size	1-50	51+
18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Betula lenta***



### **(Sweet Birch, Black Birch)**



This tree is a pioneer species and tolerates low fertility soils, and grows to 60'. Aromatic when bark is peeled or cut. (FACU)

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Betula nigra***



### **(River Birch)**



Fast-growing, medium tall tree (50-70'). Mature tree has copper-colored, peeling bark. Found on stream banks. (FACW)

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Betula papyrifera***



### **(Paper Birch)**



This fast-growing (70-80') pioneer species grows in clearings and has peeling white bark. (FACU)

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Betula populifolia***



### **(Gray Birch)**



Fast-growing smaller tree (20-40'), sometimes multi-stemmed. Non-peeling white bark. Tolerates wide range of soil conditions. A pioneer species. (FAC)

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Carpinus caroliniana***



### **(American Hornbeam)**



Small understory tree (20-30') with distinctive smooth, gray trunk. Grows in moist to wet soils. Tolerates shade. Fall color. (FAC)

18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50
4'-6'	\$15.00	\$14.50

## ***Chamaecyparis thyoides***



### **(Atlantic White Cedar)**



Smaller (30-50') tree of coastal bogs and swamps. Grows in dense stands. Excellent for wet sites. (OBL)

18"-24"	\$13.00	\$12.50
2'-3'	\$14.00	\$13.50
3'-4'	\$15.00	\$14.50
4'-6'	\$16.00	\$15.50



## ***Cornus florida***

### **(Flowering Dogwood)**

A beautiful, flowering, understory tree (20-30') Large white flowers bloom in May. Grows best on rich, well-drained soils. Fruit is a valuable resource for a large variety of birds and mammals. (FACU)



Size	1-50	51+
18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50
4'-6'	\$15.00	\$14.50

## ***Fraxinus pennsylvanica***

### **(Green Ash)**

Fast-growing tall tree (50-70') with a handsome form. Will tolerate a wide range of soil conditions and partial shade. Provides food and cover for various birds. (FACW)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Juniperus virginiana***

### **(Eastern Red Cedar)**

Small (20-40') pioneering evergreen tree of meadows and disturbed land. Tolerates a wide variety of soil types. Prefers full sun and drier areas. Provides important protective and nesting cover and food for birds, especially the Cedar Waxwing. (UPL)



18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50
4'-6'	\$15.00	\$14.50

## ***Larix laricina***

### **(Eastern Larch/Tamarack)**

This medium to tall tree (40-80') is the only native deciduous conifer in the northeast. The needles and seeds provide food for grouse, snowshoe hare, deer and other wildlife. (FACW)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

## ***Liriodendron tulipifera***

### **(Tulip Tree)**

One of the tallest of the native hardwoods (70-100'). A fast growing long-lived tree. Prefers rich soils but can tolerate a wide range of soil and light conditions. Distinctive foliage and tulip-like flowers. Not favored by gypsy moths. (FACU)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Nyssa sylvatica***

### **(Black Gum)**

Medium to large tree (40-80') of forested wetlands and moist woods. Unusual horizontal branching habit. Partial shade to full sun. Fruit provides food for wildlife. (FAC)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50



## ***Picea mariana***

### (Black Spruce)

An important tree (30-40') of northern bogs and hill-tops. This tree can withstand periodic flooding. Cones provide food for wildlife. (FACW-)



Size	1-50	51+
18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

## ***Pinus rigida***

### (Pitch Pine)

A medium-sized (to 50') pioneer species, this tree will colonize in low fertility dry/sandy soils. (FACU)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Pinus strobus***

### (White Pine)

A common pine of upland forests and wetland edges. This tree often grows quite tall (80-100') in well drained soils. Provides important cover for many species of wildlife including deer and owls. (FACU)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Platanus occidentalis***

### (Sycamore)

One of our most massive deciduous trees, occasionally over 100'. Exfoliating mature brown bark reveals white inner bark. Found in lowland areas along streams, rivers, and flood plains. (FACW-)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

## ***Populus deltoides***

### (Cottonwood)

A very fast-growing tree (75-100') common to flood plains. Expansive root systems make this a good plant for bioengineering and soil stabilization. Buds and catkins provide a food source for grouse, finches and other song-birds. (FAC)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Populus tremuloides***

### (Quaking Aspen)

This fast-growing (50-60') pioneer species has the ability to root sucker, form colonies and tolerate low fertility soils. Important food source for beaver and deer. (FACU)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

## ***Prunus serotina***

### (Black Cherry)

The berries of this tree (30-40') are sought by a vast array of animals ranging from songbirds to black bear. (FACU)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50



## *Prunus virginiana*

### (Chokecherry)

A bushy tree (25') with white flowers in spring. Dark red fruit feeds birds and other wildlife. Drought tolerant. (FACU)



## *Quercus alba*

### (White Oak)

Tall, stately tree that grows to over 100'. Acorns are a choice of food for a large variety of birds and mammals. Hybridizes with many other oaks. Tolerant of a wide range of soil conditions. (FACU)



## *Quercus bicolor*

### (Swamp White Oak)

Majestic, widely spreading crown (50-80'). Tolerates seasonal flooding, drought and some salinity. Acorns feed many birds and other animals. (FACW+)



## *Quercus coccinea*

### (Scarlet Oak)

A tall tree (50-70') with excellent fall foliage. It is drought tolerant and prefers sandy, acidic soils.



## *Quercus palustris*

### (Pin Oak)

An important food source for wildlife, this wetland oak (60-70') also helps stabilize bottom land soils subject to flooding. Wide moisture tolerance. (FACW)



## *Quercus prinus*

### (Chestnut Oak)

A rugged tree (60-70') that can tolerate a variety of soil types. Typically found on dry, rocky slopes. (UPL)



## *Quercus rubra*

### (Northern Red Oak)

Common tree (80-100') of the northeast. A good buffer zone species. (FACU-)



Size	1-50	51+
18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50



***Quercus velutina***  
(Black Oak)

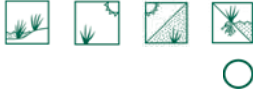
A medium to tall tree (50-60') common to the Eastern U.S. Tolerates a variety of soil conditions. Acorns are an important food for wildlife.



Size	1-50	51+
18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

***Salix nigra***  
(Black Willow)

A very fast-growing tree of small height (30-40') with expansive roots. Good plant for bioengineering and soil stabilization. Tolerates poor soil conditions. Provides a good food source for song birds. (FACW+)



Tubeling	\$2.00	
18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50
4'-6'	\$13.00	\$12.50

***Tsuga canadensis***  
(Eastern Hemlock)

An important tree of New England forests reaching 80-100'. Hemlock provides dense cover and browse for deer during winter months. (FACU)



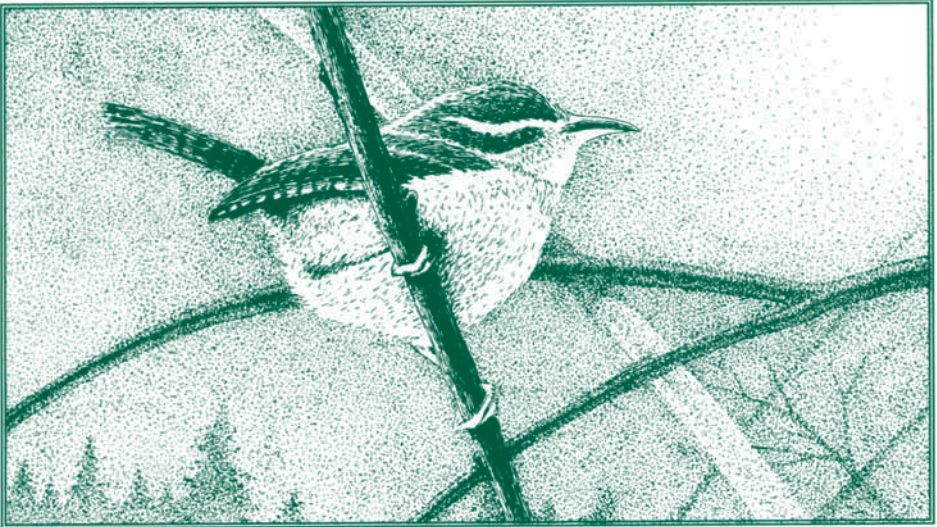
18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50

***Ulmus americana***  
(American Elm)

This tall tree (60-80') inhabits moist to dry soils, forests, stream edges, and roadsides. (FAC)



18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50
4'-6'	\$14.00	\$13.50



Carolina Wren (*Thryothorus ludovicianus*)



# SHRUBS\*

## *Alnus incana* (*rugosa*) (Speckled Alder)



A large shrub (15') that grows along stream edges and swamps. Has ability to fix nitrogen. Clumps of Alder form excellent wildlife cover. Good for bank stabilization. One of the most adaptable shrubs for difficult sites. (FACW+)

Size	1-50	51+
18"-24"	\$10.50	\$10.00
2'-3'	\$11.50	\$11.00
3'-4'	\$12.75	\$12.25

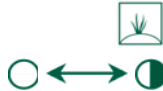
## *Amelanchier canadensis*/ *arborea*



(Shadblow/Serviceberry)  
Upright, tall shrub (18'+). Attractive white flowers before foliage emerges in spring. Berries eaten by birds. Good wetland buffer zone shrub. (FAC)

18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$12.50	\$12.25

## *Arctostaphylos uva-ursi* (Bearberry)



A low, trailing groundcover of dry Oak and Pine forests as well as back dunes. Berries provides wildlife food source. (UPL)

6-12"	\$10.00	9.50
-------	---------	------

## *Baccharis halimifolia* (Groundseltree)



A handsome shrub (6-12') with small persistent gray-green foliage. Blooms in the fall to produce showy white plumes, once seed has set. One of the few Eastern shrubs appropriate for coastal plantings. High salinity tolerance. (FACW)

18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$11.50	\$11.00

## *Ceanothus americanus* (New Jersey Tea)



A low, upright deciduous shrub (to 3'). Early to mid-successional species. Fixes nitrogen. Found in open areas with sandy to rocky soils. Full sun.

18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$11.25	\$10.75





























## *Cephalanthus occidentalis* (Buttonbush)



Medium-sized shrub, white globular-shaped flowers in summer. Prefers soils flooded or saturated for long periods or fluctuating hydrology. Nutlets are food for ducks and other birds. (OBL)

18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.25	\$10.75



		Size	1-50	51+
<b><i>Chamaedaphne calyculata</i></b>  				
(Leatherleaf) 		18"-24"	\$10.50	\$10.00
Evergreen shrub found in bogs, swamps, alongside streams and lakes, wet meadows. Frequently growing in bogs on wet, acidic sphagnum mats. 1-4' tall. White pendulous flowers in April-June. Acidic-tolerant, usually occurs where pH is 5 or less. (OBL)		2'-3'	\$11.50	\$11.00
		3'-4'	\$12.50	\$12.00
<b><i>Clethra alnifolia</i></b>    				
(Sweet Pepperbush)   		18"-24"	\$10.00	\$9.50
A medium-sized shrub found in coastal and inland wetlands. Sweet-smelling white flowers in July. Provides food and cover for birds. Tolerates drier sites. (FAC+)		2'-3'	\$11.00	\$10.50
		3'-4'	\$12.00	\$11.50
<b><i>Comptonia peregrina</i></b>  				
(Sweet Fern) 		18"-24"	\$10.00	\$9.50
A low shrub (2-5') of sandy and gravelly sites. This species fixes nitrogen and will spread by root suckers. (UPL)		2'-3'	\$11.00	\$10.50
<b><i>Cornus alternifolia</i></b> 				
(Alternate-leaved Dogwood)   		18"-24"	\$10.00	\$9.50
Large shrub (to 30') of rich woodlands, produces summer berries valuable to wildlife. (UPL)		2'-3'	\$11.00	\$10.50
		3'-4'	\$12.00	\$11.50
<b><i>Cornus amomum</i></b>   				
(Silky Dogwood)   		18"-24"	\$9.00	\$8.50
A fast-growing, clump-forming, medium shrub (5-8'). Reddish winter color on young stems. Blue fruit in the fall eaten by many animals. Provides nesting and cover for birds. (FACW)		2'-3'	\$10.00	\$9.50
		3'-4'	\$11.25	\$10.75
<b><i>Cornus racemosa</i></b>  				
(Gray Dogwood)   		18"-24"	\$10.00	\$9.50
A medium to tall shrub that grows in a wide range of soil conditions. Tolerates shade well. Spreads by roots. White fruit is eaten by birds in fall. (FAC)		2'-3'	\$11.00	\$10.50
		3'-4'	\$12.00	\$11.50

***\*Shrubs grown in #1 pots***



## ***Cornus sericea***

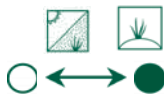
### **(Red-osier Dogwood)**



Formerly *C. stolonifera*, this rapidly growing, spreading shrub reaches 6-10'. Showy red stems in winter. Berries and twigs provide food for a wide variety of wildlife. Good for streambank stabilization. (FACW+)

## ***Corylus americana***

### **(American Hazelnut)**



Medium-sized shrub (3-9') provides excellent wildlife cover and food in drier locations. This shrub produces a small, hard edible nut, shade tolerant and particularly effective as an understory planting. (FACU-)

## ***Diervilla lonicera***

### **(Northern Bush Honeysuckle)**



A low growing (1-2') shrub that spreads by rhizomes. Can tolerate dry, infertile soils, high pH, windy conditions, shade and is relatively pest-free.

## ***Hamamelis virginiana***

### **(Witch Hazel)**



Tall shrub or small tree. Grows in moist woods. Tolerates partial sun to shade. Small yellow flowers in fall. Seeds, buds, and twigs provide food for wildlife. (FAC-)

## ***Ilex glabra***

### **(Inkberry)**



Medium-sized shrub of moist sandy coastal New England. Somewhat leathery leaves and black berries. Medium drought and moisture tolerance. (FACW-)

## ***Ilex mucronata***

### **(Mountain Holly)**



A medium-sized shrub (5-10'). Velvety red berries provide excellent wildlife food. Fruit ripens July-August and may persist until October. (OBL)

## ***Ilex verticillata***

### **(Winterberry Holly)**



Medium to tall shrub found in a variety of wetlands. Shade to full sun. Bright red berries persist into winter and are important wildlife food. (FACW+)

Size	1-50	51+
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.50	\$11.00

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50

18"-24"	\$10.00	\$9.50
---------	---------	--------

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

18"-24"	\$10.50	\$10.00
2'-3'	\$11.50	\$11.00
3'-4'	\$12.50	\$12.00

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.25	\$11.75



***Iva frutescens***  
(High-Tide Bush)



Vase-shaped shrub (3-10'). Succulent, pubescent gray-green leaves are opposite on the stem. White flowers in late summer. An attractive, low-maintenance shrub for moist to wet, saline soils. (FACW+)

***Juniperus communis***  
(Common Juniper)



Evergreen, medium sized shrub, (up to 5-8') of dry open places. Tolerates wide range of soil conditions. (FAC)

***Kalmia angustifolia***  
(Sheep Laurel)



Small evergreen shrub to 3 ft. Found on stream banks, edges of swamps and bogs, typical sites flood in spring and are drier during summer. Pink showy flowers Jun-Jul. (FAC)

***Lindera benzoin***  
(Common Spicebush)



Medium shrub found in seasonal wetlands and moist woods. Red fruit important food source for many birds. The primary food of larval Spicebush Swallowtail butterflies. Fall foliage. (FACW-)

***Lyonia ligustrina***  
(Maleberry)



A dense shrub (3-6') that spreads by heavily branching rhizomes. Similar in appearance to Blueberry but produces a dry capsule instead of a berry. (FACW)

***Myrica gale***  
(Sweetgale)



Low-growing, (2-4') bushy shrub. Blue-green to dark green foliage has a pleasant fragrance. Nitrogen fixer. Often found in bogs and acidic wetlands. (OBL)

***Morella pensylvanica***  
(Bayberry)



A medium-sized (to 10') shrub with semi-persistent leaves through the winter. Waxy berries provide food (most importantly in winter) to many songbirds. Fixes nitrogen. (FAC)

Size	1-50	51+
18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$11.50	\$11.00

18"-24"	\$13.00	\$12.50
---------	---------	---------

18"-24"	\$15.00	\$14.50
2'-3'	\$16.00	\$15.50
3'-4'	\$17.00	\$16.50

18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$11.50	\$11.00

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

18"-24"	\$11.00	\$10.50
2'-3'	\$12.00	\$11.50
3'-4'	\$13.00	\$12.50

18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$12.00	\$11.50



## ***Photinia melanocarpa***

(Black Chokeberry)

A very adaptable shrub (to 10') with white or pinkish flowers in the spring. Berries are eaten by many species of birds. (FAC)

## ***Photinia pyrifolia***

(Red Chokeberry)

A medium-sized shrub (6-10') with small white to pinkish flowers in the spring. Persistent red berries are eaten by wildlife in winter. Very soil adaptable. (FACW)

## ***Prunus depressa***

(Sand Cherry)

This low-growing, mat-forming shrub native to Northeastern rivers is effective in stabilizing sandy and gravelly soils along watercourses and sand dunes. It is an excellent species for soil bioengineering projects.

## ***Prunus maritima***

(Beach Plum)

A thicket-forming shrub of sandy coastal sites, its fruit is highly valuable as a wildlife food source. (UPL)

## ***Rhododendron periclymenoides***

(Pink Azelea)

3-6', deciduous shrub with nice pink flowers April-May. Partially shaded woods, wetlands edges. Needs well-drained acidic soils. (FAC)

## ***Rhododendron viscosum***

(Swamp Azalea)

Deciduous medium-sized shrub with attractive form and foliage. Grows in forested wetlands, swamp edges. Attractive and aromatic flowers after leaves emerge. Prefers partial shade. (OBL)

Size	1-50	51+
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.25	\$10.75

18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.25	\$10.75

18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50

18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

18"-24"	\$15.00	\$14.50
2'-3'	\$16.00	\$15.50
3'-4'	\$17.00	\$16.50

18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50



## ***Rhus aromatic***

### **(Fragrant Sumac)**

A small shrub (2-6') with aromatic leaves and twigs, is often found on rocky outcrops and has a tendency to form colonial thickets. The fruit is an important winter food source for birds and small mammals.



Size	1-50	51+
18"-24"	\$10.50	\$10.00
2'-3'	\$11.50	\$11.00
3'-4'	\$12.50	\$12.00

## ***Rhus coppalinum***

### **(Winged Sumac)**

A medium-sized (10') shrub, with compound leaves reaching 2 ft. The fruit serves as a food supply for wildlife during the winter.



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

## ***Rhus typhina***

### **(Staghorn Sumac)**

A fast-growing large shrub (15') that spreads by root suckering. Found in dry to moist areas. Birds feed on the red fruit. Excellent fall foliage. (UPL)



18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$12.00	\$11.50

## ***Rosa carolina***

### **(Carolina Rose)**

1-3' tall, pink flowers in May. Habitat is thickets, roadsides, shrub and brushlands, grasslands, fields and meadows. Grows in well-drained soils. (FACU)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

## ***Rosa palustris***

### **(Swamp Rose)**

A native rose with attractive pink flowers. The rose hips provide food for many bird species. This medium-sized shrub (5-7') also provides cover and nesting habitat for many birds. (OBL)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

## ***Rosa virginiana***

### **(Virginia Rose)**

Fast growing smaller shrub (up to 6'), with upright stems. Pink flowers bloom in June. Prefers well drained soil. Salt tolerant. (FAC)



18"-24"	\$10.00	\$9.50
2'-3'	\$11.00	\$10.50
3'-4'	\$12.00	\$11.50

## ***Salix bebbiana***

### **(Beb's Willow)**

Large multi-stemmed shrub (10-25'). Produces shallow and dense roots good for soil stabilization. Grows in a variety of soils, but is not drought tolerant. (FACW)



Tubelings \$2.00		
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.50	\$11.00



## ***Salix discolor***

(Pussy Willow)

Medium-large native shrub found in swamps and along streams. Good erosion control plant. (FACW)



## ***Salix exigua***

(Sand Bar Willow)

Shrub (to 7'), excellent for streambank restoration and erosion control for sandy or gravelly sites. (OBL)



## ***Salix sericea***

(Silky Willow)

Large shrub of streambanks and bogs, with long, thin purplish twigs. Larval host of Arcadian Hairstreak. (OBL)



## ***Sambucus canadensis***

(Common Elderberry)

Medium-height shrub(6-8'), fast growing, spreads by root sprouts. Found growing in wet meadows and marshes. White umbel flowers in summer form black fruit in fall. Valued as food for many bird species. (FACW-)



## ***Spiraea latifolia***

(Meadowsweet)

Low shrub (2-4'), grows in moist fields and uplands. White to pinkish flowers are attractive in summer. Root suckers. (FAC+)



## ***Spiraea tomentosa***

(Steeplebush)

A small shrub common to wet fields and pastures. Attractive pink terminal inflorescence. Root suckers. (FACW)



## ***Vaccinium angustifolium***

(Lowbush Blueberry)

Small shrub up to 2 1/2 ft. Berries valued as wildlife food source. Good fall color. Prefers well drained soil with lower pH. (FACU-)



Size	1-50	51+
Tubelings \$2.00		
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.50	\$11.00

Tubelings \$2.00		
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.50	\$11.00

Tubelings \$2.00		
18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.25	\$10.75

18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.00	\$10.50

18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.00	\$10.50

18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.00	\$10.50

6"-12"	\$10.00	\$9.50
12"-18"	\$10.50	\$10.00



***Vaccinium*  
*corymbosum***

(Highbush Blueberry)

Medium sized (12') shrub with aromatic white flowers in spring. Berries highly valued as wildlife food source. Brilliant red fall color. Prefers acid soil. (FACW)



Size	1-50	51+
18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$12.00	\$11.50

***Viburnum*  
*acerifolium***

(Maple Leaf Viburnum)

Medium sized (4-6') upright shrub. Small white flowers give way to showy blue fruit in fall which can persist through winter. Leaf shaped like Red Maple with similar fall color. Grows in dry to moist shade. Often found in dense clumps. (UPL)



18"-24"	\$12.00	\$11.50
2'-3'	\$13.00	\$12.50
3'-4'	\$14.00	\$13.50

***Viburnum*  
*dentatum***

(Northern Arrowwood)

A medium shrub (6-12') common in shrub swamps and forested wetlands. Tolerates partial shade and various soil moistures. (FACW-)



18"-24"	\$9.00	\$8.50
2'-3'	\$10.00	\$9.50
3'-4'	\$11.00	\$10.50

***Viburnum*  
*lentago***

(Nannyberry)

A tall shrub with arching branches. This shrub forms clumps. White flowers bloom in late spring. Black berries form in late summer-early fall. Good fall color. (FAC)



18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$12.00	\$11.50

***Viburnum*  
*nudum***

(Withe-rod/Wild Raisin)

A medium to tall shrub (6-10') found in swamps and forested wetlands. White flowers produce dark blue berries. Excellent landscape value. (FACW)



18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$12.00	\$11.50

***Viburnum*  
*trilobum***

(American Cranberrybush)

Medium to large size shrub (15') with maple-shaped leaves and white umbel flowers in late spring. Tolerates partial shade. Grows in moist woods and bogs. Red berries in fall and winter. Important food for birds. (FACW)



18"-24"	\$9.50	\$9.00
2'-3'	\$10.50	\$10.00
3'-4'	\$11.50	\$11.00



<b><i>Adiantum pedatum</i></b> (Maidenhair Fern) Grows well in moist to well drained soil. Height to 2.5 feet. Ornamental qualities. (FAC-)	 	#1	\$7.50
<b><i>Dennstaedtia punctilobula</i></b> (Hay-Scented Fern) Common woodland fern. Lacy texture, similar in appearance to New York Fern. Forms large colonies.	 	#1	\$8.25
<b><i>Dryopteris marginalis</i></b> (Marginal Wood Fern) 1.5-2' persistent evergreen fronds. Once established, prefers average to moist, well drained soil. Found in rich woodlands, rocky slopes, and outcroppings. (FACU)	 	#1	\$7.50
<b><i>Matteuccia struthiopteris</i></b> (Ostrich Fern) A common fern of flood plains, this species has beautifully-shaped fronds, and grows to a height of 4'. (FACW)	 	#1	\$7.50
<b><i>Onoclea sensibilis</i></b> (Sensitive Fern) This common fern is found from forested wetlands to wet meadows. (FACW)	 	#1	\$7.50
<b><i>Osmunda cinnamomea</i></b> (Cinnamon Fern) A common fern of wooded wetlands. Provides foraging areas for wildlife. Ruby-throated hummingbirds line their nests with fur from the stem of this fern. (FACW)	 	#1	\$7.50

***\*Ferns grown in #1 pots***  
***Other species may be available, call to inquire.***



## *Osmunda regalis*

(Royal Fern)

A fern often found in wet conditions, graceful appearance. (OBL)



#1	\$7.50
----	--------

## *Polystichum acrostichoides*

(Christmas Fern)

A robust, leathery fern that forms clumps and stays green year-round. Easily established in cool, moist well-drained soils under shade. (FACU-)



#1	\$7.50
----	--------

## *Thelypteris novaboracensis*

(New York Fern)

Spreads rapidly from shallow, black roots to form a dense groundcover. Lacy fronds from 1-2 ft.



#1	\$8.25
----	--------



Sensitive Fern (*Onoclea sensibilis*)



**HERBACEOUS PLANTS\***


































		Size	50-300	350 & up
<b><i>Acorus americana</i></b>	  	2" plug	\$1.10	\$0.87
(Sweetflag)				
Long, green, sword-shaped leaves up to 4' tall. Grows in wet meadows and on muddy shores, advancing into shallow water. (OBL)				
<b><i>Alisma subcordatum</i></b>	 	2" plug	\$1.10	\$0.87
(Water Plantain)				
Waterfowl, beaver, and muskrats feed on this plant. Grows in wet soils and into shallow water. (OBL)				
<b><i>Ammophila breviligulata</i></b>	 	2" plug	\$1.45	\$1.25
(American Beachgrass)		Bare root - call for pricing		
Found on sandy beachfront dunes and other dry sites. Excellent for stabilization. (FACU-)				
<b><i>Andropogon gerardii</i></b>		2" plug	\$1.10	\$0.87
(Big Bluestem)				
A warm season bunch grass, 5-7ft. Wildlife food and cover. Drought tolerant. (FAC)				
<b><i>Andropogon virginicus</i></b>		2" plug	\$1.10	\$0.87
(Broom Sedge Bluestem)				
Warm season bunch grass, up to 3 ft. Drought tolerant. (FACU)				
<b><i>Aquilegia canadensis</i></b>	 	2" plug	\$1.45	\$1.25
(Red Columbine)	  			
Perennial wildflower that occurs in a wide range of habitats from forests to cliffs to meadows. Grows to 2' and the showy, pink/red/yellow flowers bloom in April-July. Supports hummingbirds and bees. (FACU)				
<b><i>Asclepias incarnata</i></b>	 	2" plug	\$1.10	\$0.87
(Swamp Milkweed)				
An attractive plant reaching a height of 4', with flowers ranging from pink to purple in color. (OBL)				

***\*All 2" plugs sold in flats of 50.***

***Call for bare root pricing and availability***

***When planting emergents keep at least 2/3 of the shoot above water level***



		Size	50-300	350 & up
<b><i>Asclepias tuberosa</i></b> (Butterfly Milkweed)	 	2" plug	\$1.45	\$1.25
Drought tolerant, conspicuous orange flower mid-late summer. Attracts butterflies. Endangered or threatened in ME, NH, NY and VT. (FACU)				
<b><i>Calamagrostis canadensis</i></b> (Blue Joint Grass)	   	2" plug	\$1.10	\$0.87
A common grass of northern bogs and swamps. This species forms colonies. (FACW+)				
<b><i>Caltha palustris</i></b> (Marsh Marigold)	   	2" plug	\$1.45	\$1.25
Bright yellow flowers make this an attractive addition to wetlands. Entire plant is eaten by moose and deer, the seeds are eaten by various birds. Spring planting recommended. (OBL)				
<b><i>Carex comosa</i></b> (Bearded Sedge)	     	2" plug	\$1.10	\$0.87
This clump-forming sedge (2-4') provides food and cover for many wetland birds, including Virginia and Sora rails. (OBL)				
<b><i>Carex crinita</i></b> (Fringed Sedge)	     	2" plug	\$1.10	\$0.87
This species of sedge is shade tolerant, but also thrives in sunny locations. (OBL)				
<b><i>Carex lupulina</i></b> (Hop Sedge)	     	2" plug	\$1.10	\$0.87
This species of sedge (2-4') forms clumps in wet soils, providing wildlife cover and species diversity to wetlands. (FACW+)				
<b><i>Carex lurida</i></b> (Lurid Sedge)	    	2" plug	\$1.10	\$0.87
An excellent pioneer species that grows to 3 feet high and thrives in disturbed, wet, sandy or gravelly sites. (OBL)				



## ***Carex scoparia***

(Painted Broom Sedge)

Found in swamps and moist to drier open ground.  
Bunch type, 1-3ft. (FACW)



## ***Carex stipata***

(Awl-Fruit Sedge)

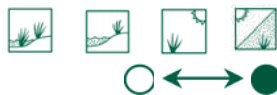
This sedge frequents wet meadows and deciduous  
woody swamps. (OBL)



## ***Carex stricta***

(Tussock Sedge)

This hummock-forming sedge is used by geese and  
other birds for nesting sites. (OBL)



## ***Carex vulpinoidea***

(Fox Sedge)

A sedge common to wet meadows, this plant provides  
good cover for nesting birds. (OBL)



## ***Chelone glabra***

(Turtlehead)

Turtlehead is a small plant reaching 1-3 feet in height.  
This species produces an attractive white flower in mid  
to late summer. (OBL)



## ***Cinna arundinacea***

(Stout Wood-Reedgrass)

Tall rhizomatous grass (3-5') provides excellent wildlife  
cover and species diversity to wetlands. Cinna grows in  
moist wooded areas. (FACW+)



## ***Coreopsis lanceolata***

(Lanceleaf Coreopsis)

Clump forming, perennial forb. Grows in dry infertile  
soils to 2' tall. Yellow blooms in May-June. Habitat is  
meadows, pastures, woodland openings. (FACU)

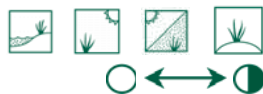


## ***Deschampsia***

***cespitosa***

(Tufted Hairgrass)

2-5ft tall. Perennial cool season bunchgrass with orna-  
mental qualities. Useful for restoring moist to seasonally  
wet sites, and for stabilizing disturbed soils. (FACW)



Size	50-300	350 & up
2" plug	\$1.10	\$0.87

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

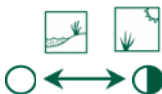






2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------


2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------



	Size	50-300	350 & up	
<b><i>Deschampsia flexuosa</i></b> (Wavy Hairgrass) 1-2ft tall, short perennial cool season bunchgrass. Prefers dry sandy soils. Excellent for restoration sites with shady, thin soils. (FACU)		2" plug	\$1.10	\$0.87
<b><i>Dulichium arundinaceum</i></b> (Three-way Sedge) This species can form dense mats (1-2') of vegetation in bogs and wet meadows, providing excellent cover for smaller wildlife. (OBL)		2" plug	\$1.10	\$0.87
<b><i>Echinacea purpurea</i></b> (Purple Coneflower) Perennial wildflower with purplish-pink blooms in June-Sept. Plants 2-3' in height, habitat is moist to mesic clearings and roadsides. Attracts bees and butterflies, and Goldfinch.		2" plug	\$1.10	\$0.87
<b><i>Eleocharis palustris</i></b> (Spike Rush) This plant grows in dense clumps and may reach a height of 3'. Provides soil stabilization, as well as cover and food for various wildlife. (OBL)		2" plug	\$1.10	\$0.87
<b><i>Elymus riparius</i></b> (Riverbank Wild Rye) Cool season bunch grass, (3-5'). Moist soils, streambanks and edges. (FACW/)		2" plug	\$1.10	\$0.87
<b><i>Elymus virginicus</i></b> (Virginia Wild Rye) Cool season bunch grass, (3-6ft). Moist to drier soils, streambanks and edges. (FACW/FAC)		2" plug	\$1.10	\$0.87
<b><i>Eupatorium perfoliatum</i></b> (Boneset) A tall flowering herb found in wet meadows and marshes. (FACW+)		2" plug	\$1.10	\$0.87



	Size	50-300	350 & up
<b><i>Eurybia (Aster) divaricata</i></b>  (White Wood Aster)  ↔  Abundant white flowers, late summer to early fall. 2-3 ft. Attracts butterflies. Medium wet to dry soils. Thrives in shade.	2" plug	\$1.45	\$1.25
<b><i>Euthamia graminifolia</i></b>    (Flat-Top Goldentop)  An attractive flowering native. 2-3ft. Yellow flowers August to September. Wildlife value. Wet meadows and riparian areas up to somewhat drier sites. (FAC)	2" plug	\$1.45	\$1.25
<b><i>Eutrochium fistulosum</i></b>    (Hollow Stem Joe-Pye Weed/Trumpetweed)  ↔  Rhizomatous, flowering perennial, 5-8' tall, prefers wet to moist ground. Dull pink flowering terminal clusters are 2-4" wide during July-Sept. Found in wet thickets and meadows. (FACW)	2" plug	\$1.10	\$0.87
<b><i>Eutrochium maculatum</i></b>   (Spotted Joe-Pye Weed)  ↔  A tall plant of wet meadows, reaching 6' or more. This species provides cover for a variety of animal species. (FACW)	2" plug	\$1.45	\$1.25
<b><i>Gentiana clausa</i></b>   (Bottle Gentian)  ↔  Purple flowers bloom in Aug-Oct. Grows to 1' tall. Habitat is moist meadows and woods, streambanks, woodland edges. (FACW)	2" plug	\$1.45	\$1.25
<b><i>Glyceria canadensis</i></b>    (Manna Grass)  A tall grass reaching 5 feet in height. This rhizomatous species provides excellent cover and food for wildlife. (OBL)	2" plug	\$1.10	\$0.87
<b><i>Glyceria striata</i></b>   (Fowl Manna Grass)  ↔  Cool season bunch grass up to 5ft. Wet woods, swamps, bogs. Riparian edge. (OBL)	2" plug	\$1.10	\$0.87



## ***Helenium autumnale***



(Sneezeweed/Helen's Flower)

Perennial wildflower with yellow flowers which bloom in Aug-Oct in moist to wet openings, edges, shores, and thickets. 2-4' tall. Does not cause people to sneeze like ragweed. (FACW)

## ***Heliopsis helianthoides***



(Smooth Oxeye)

Upright, clump forming, perennial to 2-5'. Daisy-like yellow flowers with brownish/yellowish center cones. Blooms July-Sept. Prefers dry to moist soils. (FACU)

## ***Hibiscus moschuetos***



(Crimson-eyed Rosemallow)

Showy white or pink flowers, July to September, 4-6ft. Moist to wet soils, partial shade to full sun. Attracts butterflies. (OBL)

## ***Iris versicolor***



(Blue Flag Iris)



Beautiful blue flowers and green sword-like leaves. Iris rhizomes anchor soil in marshes, wet meadows, and wetland areas subject to flooding. (OBL)

## ***Juncus canadensis***



(Canada Rush)



A common rush of bogs and hummocks. A good plant to add diversity to a planting plan. (OBL)

## ***Juncus effusus***



(Soft Rush)



A good pioneer species that provides cover for wildlife. The root systems offer erosion protection. (OBL)

## ***Juncus tenuis***



(Path Rush)



Easily grown in wet to somewhat dry soils. (6 inches to 2ft). This tough rush tolerates foot traffic and compacted soils. (FAC-)

## ***Leersia oryzoides***



(Rice Cutgrass)



A tall rhizomatous grass growing to 4'. Provides excellent dense cover and food for wildlife. (OBL)

Size	50-300	350 & up
2" plug	\$1.10	\$0.87

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------



## ***Liatris spicata***



### (Marsh Blazing Star)



Showy, flowering perennial, up to 4 ft. Numerous dense purple flower clusters appear on upper portion of 2-4 ft tall spike during July. Prefers average to well drained moist soils, full sun. Frequently found in moist meadows, low ground, marsh edges. (FAC+)

## ***Lobelia cardinalis***



### (Cardinal Flower)



The brilliant red flowers attract hummingbirds and add beauty to wetlands. (FACW+)

## ***Lobelia siphilitica***



### (Great Blue Lobelia)



Moist meadows, swamps, streambanks and ditches. Brilliant blue flowers attract hummingbirds, 1-5ft tall. (FACW+)

## ***Lupinus perennis***



### (Wild Blue Lupine)



Well drained or dry soil, open sites. From 1-3 ft. Showy blue flowers. May to June.

## ***Mimulus ringens***



### (Monkey-flower)



A flower of wet meadows and stream banks. Monkey-flowers have a beautiful lavender flower in the summer, and grow to 3' in height. (OBL)

## ***Monarda fistulosa***



### (Wild Bergamot)



Showy pinkish flowers, June to Sept. Forms colonies. Moist to drier soils. Up to 5 feet. (UPL)

## ***Nuphar luteum***



### (Yellow Water Lily)



This water lily provides shade and cover for fish and macroinvertebrates. Waterfowl and wildlife feed on seeds and leaves. Grows in water up to 3' deep. (OBL)

Size	50-300	350 & up
2" plug	\$1.45	\$1.25

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

Tubers	Call for pricing	
--------	------------------	--



## *Nymphaea odorata* (White Water Lily)



Growing in water from several inches to 5' deep, this plant provides food for beavers, waterfowl, and other wildlife. Provides cover for beavers, waterfowl, and other wildlife. Provides cover for fish and amphibians. (OBL)

## *Panicum amarum* (Bitter panicgrass)



Coastal, quick growing, rhizomatous native warm season grass. Useful for dune stabilization and erosion control on dry, infertile sites. (FACU)

## *Panicum virgatum* (Switchgrass)



A tall grass (5-7') often found in drier sandy soils and along the upland edge of salt marshes. A good forage species, the leaves provide food for deer and other wildlife, while seeds are eaten by many birds. (FAC)

## *Peltandra virginica* (Arrow Arum)



A deep green plant that grows along pond and lake edges. This plant provides cover and food for waterfowl. Improves water quality. (OBL)

## *Penstemon digitalis* (Foxglove Beardtongue)



Perennial wildflower, 2-4' tall, white flowers bloom in June-July. Habitat is low, moist areas, meadows, open woodlands. Attracts bees and hummingbirds. (FAC)

## *Poa palustris* (Fowl Bluegrass)



A native grass of marsh edges and wet meadows, reaching a height of 3-4'. Often forms dense stands that exclude other wetland species. Wildlife and ground nesting birds frequently use this grass for cover and nesting. (FACW)

Size	50-300	350 & up
Tubers	Call for pricing	

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.35	\$1.15
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------



## ***Pontederia cordata***

(Pickerelweed)



The purple flowers and deep green leaves of this species add beauty to wetlands. Provides cover for waterfowl along shores and in up to 1' of water. Excellent for uptake of dissolved phosphorous. (OBL)

## ***Potamogeton nodosus***

(Long-leaf Pondweed)



A good food source for waterfowl as well as muskrat, beaver, and moose. (OBL)

## ***Potamogeton pectinatus***

(Sago Pondweed)



A very good source of food for waterfowl. This plant also provides good cover for small fish. Provides water quality benefits. (OBL)

## ***Rudbeckia laciniata***

(Cut-Leafed



Green-Headed Coneflower)

Showy flowering perennial. Yellow petals with central green cone, July to Sept bloom. Grows in moist soils, full sun to partial shade. 4-8 ft tall. (FACW)

## ***Rudbeckia triloba***

(Brown Eyed Susan)



2-5' tall. Yellow flowers with dark centers bloom July-Sept. Tolerates a wide range of soil conditions.

## ***Sagittaria latifolia***

(Northern Arrowhead/Duck Potato)



An important food source for waterfowl. This plant grows along shores and in up to 2' of water. Good for water quality basins. Do not plant in the fall. (OBL)

## ***Schizachyrium scoparium***

(Little Bluestem)



Warm season grass, 2-4ft. Dry to somewhat moist well drained soil. full sun. Tolerates wide range of soil conditions. Bronze-orange fall foliage. (FACU-)

Size	50-300	350 & up
------	--------	----------

2" plug	\$1.45	\$1.25
---------	--------	--------

Rhizomes	Call for pricing	
----------	------------------	--

Tubers	Call for pricing	
--------	------------------	--

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
32cup/tray	\$2.15	

2" plug	\$1.10	\$0.87
---------	--------	--------



## ***Schoenoplectus acutus***



(Hard-stem Bulrush)

This bulrush does very well in shallows of ponds, rivers, ditches, and lakes. Usually found in water up to 5' deep. Removes heavy metals and nutrients. (OBL)

## ***Schoenoplectus americanus***



(Chairmaker's Bulrush)

Reaches a height of 4'. Grows well in fresh or brackish water. Seeds provide food for waterfowl. (OBL)

## ***Schoenoplectus pungens***



(Three Square Bulrush)

Commonly found in standing water up to 6 inches deep. Can tolerate periods of drought and complete inundation. (FACW+)

## ***Schoenoplectus tabernaemontani***



(Soft-stem Bulrush)

Thrives on shorelines and standing water. This Bulrush does well in organic or sandy soils. Good erosion control species. (OBL)

## ***Scirpus atrovirens***



(Green Bulrush)

A good soil stabilizer, provides many of the same benefits as woolgrass and is resistant to both flooding and short periods of drought. (OBL)

## ***Scirpus cyperinus***



(Woolgrass)

An aggressively rooting plant valuable for erosion control. Provides dense cover for wildlife and web support for various spiders. (OBL)

## ***Solidago sempervirens***



(Seaside Goldenrod)

Common along the coast, salt tolerant, 1-6 ft. Yellow flowers in clusters from Aug to Nov. (FACW)

Size	50-300	350 & up
------	--------	----------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------



## ***Sorghastrum nutans***

(Indiangrass)

A warm season grass (3-5') with a very striking golden brown seed head. It is highly tolerant of varying soil moisture levels and pH.



## ***Sparganium americanum***

(Burreed)

This rhizomatous plant prefers sites along pond edges and shallows. Provides food and cover for waterfowl. Excellent for nutrient uptake. (OBL)



## ***Spartina patens***

(Saltmeadow Cordgrass)

A warm season grass (1-4') extends quickly by rhizomes and has highly nutritious seed. It is an effective stabilizer for shoreline and tidal marsh restorations.



## ***Spartina alterniflora***

(Smooth Cordgrass)

Tall grass found on the lower zones of coastal salt marshes. Forms peat deposits. (OBL)



## ***Symphiotrichum (Aster)***

***cordifolium***

(Blue Wood Aster)

Profuse clusters of blue flowers bloom late summer to mid fall. 2-3 ft. Dry, moist soils. Partial shade tolerance. Attracts butterflies.



## ***Symphiotrichum (Aster)***

***laeve***

(Smooth Aster)

Violet blue to purple flowers with yellow centers. Blooms September to October. Moist to dry soils. Attracts butterflies, 2-4 ft. tall.



## ***Symphiotrichum (Aster)***

***novae-angliae***

(New England Aster)

A fall blooming flower. New England Aster has a violet-pink flower. (FACW-



Size	50-300	350 & up
2" plug	\$1.45	\$1.25
2" plug	\$1.45	\$1.25
2" plug	\$1.45	\$1.25
2" plug	\$1.45	\$1.25
2" plug	\$1.45	\$1.25
2" plug	\$1.45	\$1.25
2" plug	\$1.10	\$0.87



○

4-8 feet. Abundant blue to purple flowers with yellow centers. Blooms August-September. Found in wet to well-drained soil in full sun. Easily self-seeds. Typically occurs in wet meadows. Attracts butterflies. (OBL)

Important wildlife food source, this plant also provides good cover. Cattails take up heavy metals and other pollutants, improving water quality. Aggressive colonizer. (OBL)

## O

A perennial submerged aquatic plant. Provides excellent cover for small fish and food for waterfowl and adult fish. Excellent in wet detention basins. (OBL)

A plant with small blue flowers. Foliage provides food for rabbits, muskrats, mice, and larval Verbena moth. Seeds eaten by birds. (FACW+)

## O

Similar in form to Joe-Pye Weed, the flowers of this ironweed range from pink to blue and form more open clusters. (FACW+)

Showy flowering perennial, up to 3 ft. Flat topped clusters of small yellow flowers. Attracts butterflies. Moist, well drained soils. Late spring, early summer bloom. (FAC)

2" plug	\$1.10	\$0.87
---------	--------	--------

Tubers                      Call for pricing

2" plug	\$1.10	\$0.87
---------	--------	--------

2" plug	\$1.45	\$1.25
---------	--------	--------

2" plug	\$1.10	\$0.87
---------	--------	--------



# New England Wet

(with typical plant s

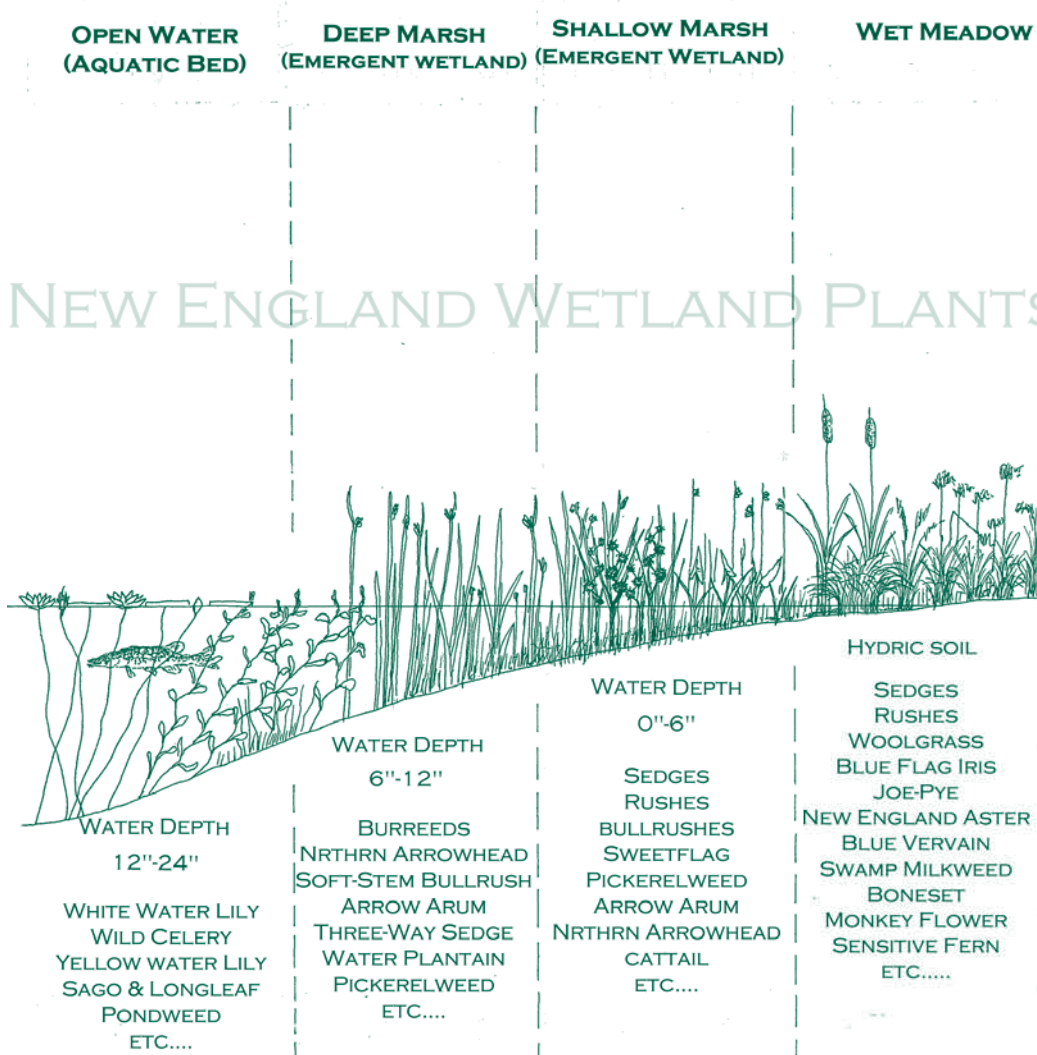
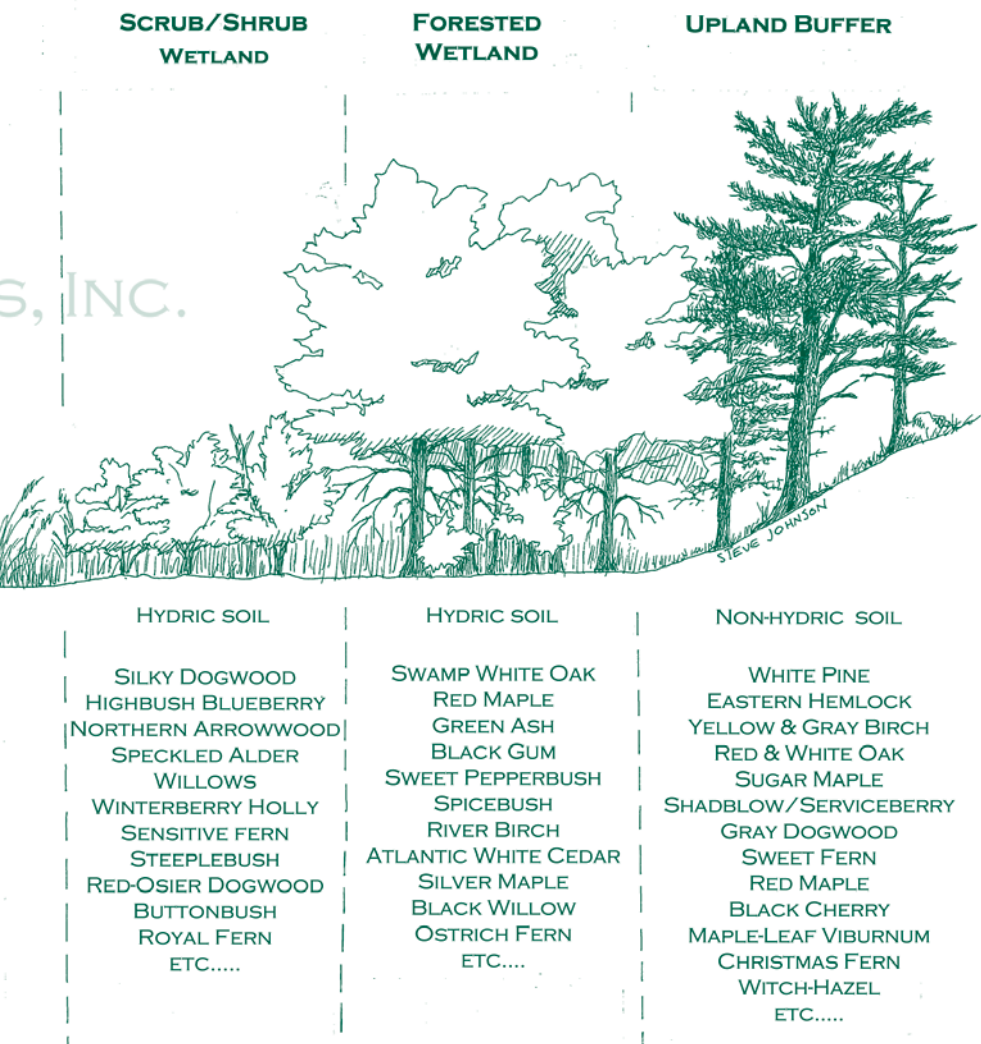


Illustration courtesy of New England Wetland Plants, Inc. 820 West St.



# land Cross-Section

(species for each zone)





# Seed Mixes for Restoration, Conservation and Erosion Control

## New England Wetmix (Wetland Seed Mix)

The New England Wetmix (Wetland Seed Mix) contains a wide variety of native seeds that are suitable for most wetland restoration sites that are not permanently flooded. All species are best suited to moist ground as found in most wet meadows, scrub shrub, or forested wetland restoration areas. The mix is well suited for detention basin borders and the bottom of detention basins not generally under standing water. The seeds will not germinate under inundated conditions. If planted during the fall months, the seed mix will germinate the following spring. During the first season of growth, several species will produce seeds while other species will produce seeds after the second growing season. Not all species will grow in all wetland situations. This mix is comprised of the wetland species most likely to grow in created/restored wetlands and should produce more than 75% ground cover in two full growing seasons.

The wetland seeds in this mix can be sown by hand, with a hand-held spreader, or hydro-seeded on large or hard to reach sites. Lightly rake to insure good seed-to-soil contact. Seeding can take place on frozen soil, as the freezing and thawing weather of late fall and late winter will work the seed into the soil. If spring conditions are drier than usual watering may be required. If sowing during the summer months supplemental watering will likely be required until germination. A light mulch of clean, weed free straw is recommended.

APPLICATION RATE: 1 LB/2500 sq. ft  
18 lbs/acre  
PRICE: \$135/bulk pound

**SPECIES:** For mix details refer to website.

We reserve the right to make changes to species in all mixes depending upon seed availability.

The functionality of each mix will remain unchanged, although mix composition may vary during the year.

## New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant



flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended

APPLICATION RATE:	35 lbs/acre	1250 sq ft/lb
PRICE:	\$37.00/bulk pound	
Minimum Order:	3 lbs	

**SPECIES:** For mix details refer to website.

## New England Conservation/Wildlife Mix

The New England Conservation/Wildlife Mix provides a permanent cover of grasses, wildflowers, and legumes. For both good erosion control and wildlife habitat value. The mix is designed to be a no maintenance seeding, and is appropriate for cut and fill slopes, detention basin side slopes, and disturbed areas adjacent to commercial and residential projects.

APPLICATION RATE:	25lbs/acre	1750 sq ft/lb
PRICE:	\$39.50/bulk pound	
Minimum Order:	2 lbs	

**SPECIES:** For mix details refer to website.

## New England Native Warm Season Grass Mix

The New England Native Warm Season Grass Mix contains a broad spectrum of native warm season grasses to insure that a variety of the species will survive in the sandy, droughty conditions typically found along roadsides, gravel mine reclamation areas, and other low-fertility well drained soil conditions. This mix is somewhat slow to germinate and establish during the first year of planting, but it will produce good cover by the end of the second growing season to produce long-living native stands. The cool season grasses have been added as a “starter” seed for erosion control. This mix has excellent heat and drought tolerance, and grows best in well drained soils. Warm season grasses provide excellent year round cover and food for wildlife, particularly as winter cover for small animals. This mix can be applied by hydroseeding, by mechanical spreader or by hand. Best results are obtained with a mid-late Spring seeding.

APPLICATION RATE:	23 lbs/acre	1900 sq ft/lb
PRICE:	\$24.00/bulk pound	
Minimum order:	3 lbs	

**SPECIES:** For mix details refer to website.



## New England Wildflower Mix

The New England Wildflower mix provides a selection of native wildflowers and grasses to insure that a variety of species will survive in conditions from dry to moist. It is an appropriate seed mix for roadsides, commercial landscaping, parks, golf courses, industrial sites and areas undergoing ecological restoration. The mix can be applied by hydroseeding (no tackifiers), by mechanical spreader, or by hand. Lightly rake or roll after sowing to increase seed-to-soil contact. Apply on a clean, weed-free seed bed. Best results are obtained with a Spring or late fall dormant seeding.

APPLICATION RATE:	23 lbs/acre	1900 sq ft/lb
PRICE:	\$75.00/bulk pound	

**SPECIES:** For mix details refer to website.

## New England Showy Wildflower Mix

The New England Showy Wildflower mix includes a selection of native wildflowers and grasses that will mature into a colorful and vibrant native meadow. It is appropriate seed mix for roadsides, commercial landscaping, parks, golf courses, and industrial sites. Always apply on clean bare soil. The mix may be applied by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring or late Fall dormant seeding. Late Spring and early Summer seeding will benefit with a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering may be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free seed bed is necessary for optimal results.

APPLICATION RATE:	23 lbs/acre	1900 sq ft/lb
PRICE:	\$86.00/bulk pound	

**SPECIES:** For mix details refer to website.

## New England Erosion Control/Restoration Mix for Dry Sites

The New England Erosion Control/Restoration Mix For Dry Sites provides an appropriate selection of native and naturalized grasses to ensure that dry and recently disturbed sites will be quickly revegetated and the soil surface stabilized. It is an appropriate seed mix for road cuts, pipelines, steeper slopes, and areas requiring quick cover during the ecological restoration process. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper soil-seed contact. Best results are obtained with a Spring or late Summer seeding. Late Spring through Mid-Summer seeding will benefit from a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering will be required. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free seed bed is necessary for optimal results.

APPLICATION RATE:	35 lb/acre	1250 sq ft/lb
PRICE:	\$18.00/bulk pound	
Minimum order:	5 lbs	

**SPECIES:** For mix details refer to website.



# New England Roadside Matrix Mixes

The New England Roadside Matrix Mixes are designed for use along roads and highways. These mixes are unusual in that they contain native grasses, wildflowers, and shrubs that are blended together as a native matrix seed mix. In areas that receive frequent mowing, the cold season grasses will dominate, such as those areas closet to the roadway shoulder. In areas farther from the road, which may be mown only once each year, or in hard to mow areas, such as around sign posts, the wildflower component will become dominant. Along cuts and side slopes which may never be mown, the shrub component will add diversity and beauty to the roadside plantings. It is a particularly appropriate seed mix for roadsides, industrial sites, or cut and fill slopes. These mixes may be applied by hydroseeding, or by mechanical spreader. Always apply on a clean, weed-free seed bed. After sowing, lightly rake or roll the site to improve seed-to-soil contact. Best results are obtained with a mid-late spring seeding. summer seeding will benefit from a light mulching of clean, weed-free straw to conserve soil moisture.

## New England Roadside Matrix Wet Meadow Seed Mix

APPLICATION RATE:	35 lbs/acre	1250 sq ft/lb
PRICE:	\$65.00/bulk pound	

**SPECIES:** For mix details refer to website.

## New England Roadside Matrix Upland Seed Mix

APPLICATION RATE:	35LBS/ACRE	1250 sq ft/lb
PRICE:	\$69.00/bulk pound	

**SPECIES:** For mix details refer to website.

We reserve the right to make changes to species in all mixes depending upon seed availability.



## New England Logging Road Mix

The New England Logging Road Seed Mix was originally designed for restoring Maine logging roads, but has application on other types of restoration sites. Provides native plant cover in low fertility and compacted soils. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Late Spring and early Summer seeding will benefit from a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering may be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free soil surface is necessary for optimal results.

APPLICATION RATE:	20 lbs/acre	2200 sq ft/lb
PRICE:	\$26.00/bulk pound	
Minimum order:	3 lbs	

**SPECIES:** For mix details refer to website.

## New England Coastal Salt Tolerant Grass Mix

The New England Coastal Salt Tolerant Seed Mix contains a selection of native grasses that tolerate salty conditions. This mix is appropriate for drier coastal areas that receive salt spray or mist. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring seeding. Late Spring and early Summer seeding will benefit with a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering may be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free soil surface is necessary for optimal results.

APPLICATION RATE:	35 lbs/acre	1250 sq ft/lb
PRICE:	\$26.00/bulk pound	
Minimum order:	4 lbs	

**SPECIES:** For mix details refer to website.

## New England Semi-Shade Grass and Forbs Mix

The New England Semi Shade Grass & Forb Mix contains a broad spectrum of native grasses and forbs that will tolerate semi-shade and edge conditions. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring seeding. Late Spring and early Summer seeding will benefit with a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering will be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free seed bed is necessary for optimal results.

APPLICATION RATE:	30 lbs/acre	1450 sq ft/lb
PRICE:	\$87.00/bulk pound	

**SPECIES:** For mix details refer to website.



# EROSION CONTROL PRODUCTS

**S1** – 100% straw fibers stitch-bonded to a photodegradable net on top side only. Suitable for low flow to moderate flow run-off conditions

**S2** – 100% straw fibers stitch-bonded to a photodegradable net on top and bottom side. Suitable for moderate flow run-off conditions. Also available with 100% biodegradable netting on top and bottom, **(S2B)**.

**SC2** – 70% straw, 30% coconut fibers, with photodegradable netting on both sides. For use on 2:1 – 1:1 slopes with heavy run-off conditions. Handles steep slide rehabilitation, drought area revegetation, long slope cut and fill, mine land, landfill reclamation, bridge abutments, ski runs, and channel shoulders. Also available with 100% biodegradable netting, **(SC2B)**.

**C2** – 100% coconut fiber with netting on both sides. For use as a channel liner with high velocity intermittent flows, center runs on grassed waterways, drainage ditch lining, and stream bank rehabilitation. Also used as an erosion control blanket on steep slopes and very harsh sites. Also available with 100% biodegradable netting, **(C2B)**.

**Coir Mats** – Long lived, high strength woven 100% coconut fiber grids have numerous bioengineering and erosion control applications. They are particularly effective on sites where they can hold extreme slopes that are susceptible to slumping or frost shear. Available in three weights, 400 grams/sq. m (loose weave), 700 grams/sq m (medium weave) and 900 grams/sq m (tight weave).

**Coir Fiber Logs** – 12 feet long, 100% coconut fiber “logs” with biodegradable netting have proven to be one of the most efficient and effective methods to immediately stabilize the banks of ponds, streams, rivers and coastal banks. They can be easily installed with either earth anchors or with wooden stakes. They are most effective when wetland plants (2 inch plugs) are planted immediately adjacent to the logs or in the logs, which then root through the coir fiber and lock the bank and substrate with their root structures. They are available in 12” and 16” diameters.

**Straw Wattles** – Constructed of weed free straw inside a photodegradable net sock. These wattles are 9” diam x 20 ft long, or 12 inch diam x 10 ft long. A sediment control device which is a very cost effective alternative to hay bales. Also available with biodegradable netting.

\*\*\*Call for Pricing\*\*\*



# Dormant Live Material for Bioengineering

NEWP provides dormant woody Willow and Dogwood species for use as brush layers, fascines, and stakes. Fascines are normally 5-7 ft long and 4-6 inch or 6-8 inch diameter. Brush layers are 3-5 ft long and stakes are 2 or 3 ft long. Dormant material is only available from mid November to mid March. Please call for pricing.

## Tubelings for Bank Stabilization and Soil Bioengineering

NEWP provides rooted cuttings in 5" deep plug cells to be used as an inexpensive alternative to large rooted plant material for revegetating and stabilizing slopes, banks, and soil bioengineering projects. Because tubelings have established root systems successful planting is not limited to the time when plants are dormant and extends the planting season. This allows for the installation of soil bioengineering projects from the spring through the fall, freeing projects from the constraints of dormant plant materials. Tubelings have the advantage of being easier to install, produce soil stabilizing roots soon after planting, and typically have a higher percentage survival rate than dormant live stakes. Tubelings normally measure between 6" and 24" in height. Please be sure to place your orders in advance for large quantities. Tubelings are sold in trays of 38. Price per plant is \$2.00.

### Species Available in Tubelings

Salix discolor, (Pussy Willow),  
Salix nigra, (Black Willow),  
Salix sericea, (Silky Willow),  
Salix exigua, (Sand Bar Willow),  
Salix purpurea, (Streamco Willow),  
Salix x cotteti, (Dwarf Bankers Willow),  
Some Dogwood spp. can be contract grown. Please inquire.



Typical  
Tubeling



Typical Soil Bioengineering Cross-Section Using Coir Logs, Brush Layering, and Plants



# Index of Plants by Common Name

Common Name	Scientific Name	Page
Alternate leaved Dogwood	<i>Cornus alternifolia</i>	11
American Beachgrass	<i>Ammophila brevifolula</i>	20
American Cranberrybush	<i>Viburnum trilobum</i>	17
American Elm	<i>Ulmus americana</i>	9
American Hazelnut	<i>Corylus americana</i>	12
American Hornbeam	<i>Carpinus caroliniana</i>	5
American Larch	<i>Larix laricina</i>	6
Arrow Arum	<i>Peltandra virginica</i>	27
Arrowwood	<i>Viburnum dentatum</i>	17
Atlantic White Cedar	<i>Chaemaecyparis thyoides</i>	5
Balsam Fir	<i>Abies balsamea</i>	4
Bayberry	<i>Morella pensylvanica</i>	14
Beach Plum	<i>Prunus maritima</i>	14
Bearberry	<i>Arctostaphylos uva-ursi</i>	10
Bearded Sedge	<i>Carex comosa</i>	21
Beb's Willow	<i>Salix bebbiana</i>	15
Big Bluestem	<i>Andropogon gerardii</i>	20
Bitter Panicgrass	<i>Panicum amarum</i>	27
Black Cherry	<i>Prunus serotina</i>	7
Black Chokeberry	<i>Photinia melanocarpa</i>	14
Black Gum	<i>Nyssa sylvatica</i>	6
Black Oak	<i>Quercus velutina</i>	8
Black Spruce	<i>Picea mariana</i>	7
Black Willow	<i>Salix nigra</i>	9
Blazing Star	<i>Liatris spicata</i>	26
Blue Flag Iris	<i>Iris versicolor</i>	25
Blue Joint Grass	<i>Calamagrostis canadensis</i>	21
Blue Vervain	<i>Verbena hastata</i>	33
Boneset	<i>Eupatorium perfoliatum</i>	23
Bottle Gentian	<i>Gentiana clausa</i>	24
Box Elder Maple	<i>Acer negundo</i>	4
Broom Sedge	<i>Carex scoparia</i>	22
BroomSedge Bluestem	<i>Andropogon virginicus</i>	20
Brown Eyed Susan	<i>Rudbeckia triloba</i>	28
Burreed	<i>Sparganium americanum</i>	32



Butterfly Milkweed	<i>Asclepias tuberosa</i>	21
Buttonbush	<i>Cephalanthus occidentalis</i>	11
Canada Rush	<i>Juncus canadensis</i>	25
Cardinal Flower	<i>Lobelia cardinalis</i>	26
Carolina Rose	<i>Rosa carolina</i>	15
Chairmaker's Bulrush	<i>Schoenoplectus americanus</i>	29
Chestnut Oak	<i>Quercus prinus</i>	8
Chokecherry	<i>Prunus virginiana</i>	8
Christmas Fern	<i>Polystichum acrostichoides</i>	19
Cinnamon Fern	<i>Osmunda cinnamomea</i>	18
Common Cattail	<i>Typha latifolia</i>	33
Common Elderberry	<i>Sambucus canadensis</i>	16
Common Spicebush	<i>Lindera benzoin</i>	13
Cottonwood	<i>Populus deltoides</i>	7
Eastern Red Cedar	<i>Juniperus virginiana</i>	6
Flat-top Goldentop	<i>Euthamia graminifolia</i>	24
Flowering Dogwood	<i>Cornus florida</i>	6
Fowl Bluegrass	<i>Poa palustris</i>	28
Fowl Manna Grass	<i>Glyceria canadensis</i>	24
Fox Sedge	<i>Carex vulpinoidea</i>	22
Foxglove Beardtongue	<i>Penstemon digitalis</i>	27
Fragrant Sumac	<i>Rhus aromatic</i>	15
Fringed Sedge	<i>Carex crinita</i>	21
Golden Alexanders	<i>Zizia aurea</i>	33
Gray Birch	<i>Betula populifolia</i>	5
Gray Dogwood	<i>Cornus racemosa</i>	12
Great Blue Lobelia	<i>Lobelia siphilitica</i>	26
Green Ash	<i>Fraxinus pensylvanica</i>	6
Green Bulrush	<i>Scirpus atrovirens</i>	29
Green Headed Coneflower	<i>Rudbeckia laciniata</i>	28
Groundsel Tree	<i>Baccharis halimifolia</i>	10
Hard-Stem Bulrush	<i>Schoenoplectus acutus</i>	29
Hay Scented Fern	<i>Dennstaedtia punctilobula</i>	18
Hemlock	<i>Tsuga canadensis</i>	9
Highbush Blueberry	<i>Vaccinium corymbosum</i>	17
High-Tide Bush	<i>Iva frutescens</i>	13
Hollow Stem Joe Pye Weed	<i>Eutrochium fistulosum</i>	24
Hop Sedge	<i>Carex lupulina</i>	21



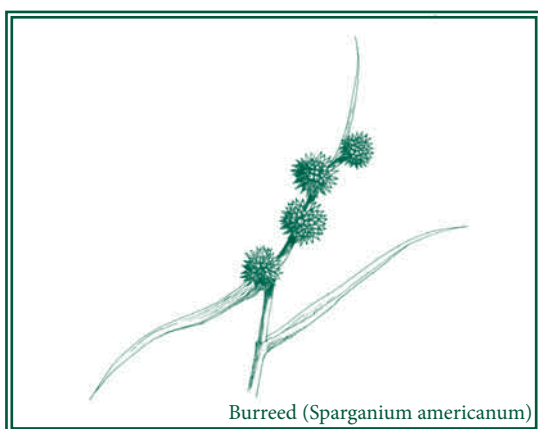
Indiangrass	<i>Sorghastrum nutans</i>	30
Inkberry	<i>Ilex glabra</i>	12
Joe-Pye Weed	<i>Eutrochium maculatum</i>	24
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	23
Leatherleaf	<i>Chamaedaphne calyculata</i>	11
Little Bluestem	<i>Schizachyrium scoparium</i>	29
Long-Leaf Pondweed	<i>Potamogeton nodosus</i>	28
Low Bush Blueberry	<i>Vaccinium angustifolium</i>	16
Lurid Sedge	<i>Carex lurida</i>	22
Marsh Marigold	<i>Caltha palustris</i>	21
Meadowsweet	<i>Spiraea latifolia</i>	16
Monkey Flower	<i>Mimulus ringens</i>	26
Mountain Holly	<i>Ilex mucronata</i>	13
Nannyberry	<i>Viburnum lentago</i>	17
New England Aster	<i>Symphyotrichum nova-angliae</i>	33
New York Fern	<i>Thelypteris noveboracensis</i>	19
New York Ironweed	<i>Vernonia noveboracensis</i>	33
Northern Arrowhead	<i>Sagittaria latifolia</i>	28
Ostrich fern	<i>Matteuccia struthiopteris</i>	18
Paper Birch	<i>Betula papyrifera</i>	5
Path Rush	<i>Juncus tenuis</i>	26
Pickernelweed	<i>Pontederia cordata</i>	28
Pin Oak	<i>Quercus palustris</i>	8
Pink Azelea	<i>Rhododendron periclymenoides</i>	14
Pitch Pine	<i>Pinus rigida</i>	7
Purple Coneflower	<i>Echinacea purpurea</i>	23
Pussy Willow	<i>Salix discolor</i>	16
Quaking Aspen	<i>Populus tremuloides</i>	7
Red Columbine	<i>Aquilegia canadensis</i>	20
Red Chokeberry	<i>Photinia pyrifolia</i>	14
Red Maple	<i>Acer rubrum</i>	4
Red Oak	<i>Quercus rubra</i>	8
Red-Osier Dogwood	<i>Cornus sericea</i>	12
Rice Cutgrass	<i>Leersia oryzoides</i>	26
River Birch	<i>Betula nigra</i>	5
Riverbank Wild Rye	<i>Elymus riparius</i>	23
Royal Fern	<i>Osmunda regalis</i>	19
Saltmeadow Cordgrass	<i>Spartina patens</i>	30



Sago Pondweed	Potamogeton pectinatus	28
Sand bar Willow	Salix exigua	16
Sand Cherry	Prunus depressa	14
Scarlet Oak	Quercus coccinea	8
Seaside Goldenrod	Solidago sempervirens	32
Sensitive Fern	Onoclea sensibilis	18
Shadblow/Serviceberry	Amelanchier canadensis/arborea	10
Silky Dogwood	Cornus amomum	12
Silver Maple	Acer saccharinum	4
Smooth Aster	Symphyotrichum laeve	32
Smooth Oxeye/False Sunflower	Heliopsis helianthoides	25
Sneezeweed	Helenium autumnale	25
Soft Rush	Juncus effusus	25
Soft-Stem Bulrush	Schoenoplectus tabernaemontani	29
Speckled Alder	Alnus incana	10
Spike Rush	Eleocharis palustris	23
Staghorn Sumac	Rhus typhina	15
Steeplebush	Spirea tomentosa	16
Stout Wood-Reedgrass	Cinna arundinacea	22
Striped Maple	Acer pensylvanicum	4
Sugar Maple	Acer saccharum	4
Swamp Aster	Symphyotrichum puniceum	33
Swamp Azalea	Rhododendron viscosum	15
Swamp Milkweed	Asclepias incarnata	20
Swamp Rose	Rosa palustris	15
Swamp Rose Mallow	Hibiscus moscheutos	25
Swamp White Oak	Quercus bicolor	8
Sweet Birch	Betula lenta	5
Sweet Fern	Comptonia peregrina	11
Sweet Pepperbush	Clethra alnifolia	11
Sweetflag	Acorus americanus	20
Sweetgale	Myrica gale	13
Switchgrass	Panicum virgatum	27
Sycamore	Platanus occidentalis	7
Tall Salt Marsh Cordgrass	Spartina alternifolia	32
Three-Square Bulrush	Schoenoplectus pungens	29
Three-Way Sedge	Dulichium arundinaceum	23
Tulip Tree	Liriodendron tulipifera	6



Turtlehead	<i>Chelone glabra</i>	23
Tussock Sedge	<i>Carex stricta</i>	23
Virginia Rose	<i>Rosa virginiana</i>	15
Virginia Wild Rye	<i>Elymus virginicus</i>	23
Water Plantain	<i>Alisma subcordatum</i>	20
White Oak	<i>Quercus alba</i>	8
White Pine	<i>Pinus strobus</i>	7
White Water Lily	<i>Nymphaea odorata</i>	27
White Wood Aster	<i>Eurybia divaricata</i>	24
Wild Bergamot	<i>Monarda fistulosa</i>	27
Wild Blue Lupine	<i>Lupinus perennis</i>	26
Wild Celery	<i>Vallisneria americana</i>	33
Winged Sumac	<i>Rhus coppalinum</i>	15
Winterberry Holly	<i>Ilex verticillata</i>	13
Witch Hazel	<i>Hamamelis virginiana</i>	12
Witherod	<i>Viburnum nudum</i>	17
Woolgrass	<i>Scirpus cyperinus</i>	32
Wrinkle-sheathed Sedge	<i>Carex stipata</i>	22
Yellow Birch	<i>Betula alleghaniensis</i>	5
Yellow Water Lily	<i>Nuphar luteum</i>	27





Botanical Name	Common Name	Wetland Indicator	Mature Height (ft.)	HABITAT TYPES				
				Water up to one ft deep	Stream banks shore edges	Wet meadows & sunny sites	Forested wetlands & shaded areas	Drier sites
TREES								
<i>Abies balsamea</i>	Balsam Fir	FAC	30-50'			✓	✓	
<i>Acer negundo</i>	Box Elder Maple	FAC+	30-50'		✓	✓	✓	
<i>Acer pensylvanicum</i>	Striped Maple/Moosewood	FACU	20-35'				✓	
<i>Acer rubrum</i>	Red Maple	FAC	60-90'		✓	✓	✓	
<i>Acer saccharinum</i>	Silver Maple	FACW	60-80'		✓	✓	✓	
<i>Acer saccharum</i>	Sugar Maple	FACU-	80-100'				✓	✓
<i>Betula alleghaniensis</i>	Yellow Birch	FAC	80-100'			✓	✓	
<i>Betula lenta</i>	Sweet Birch	FACU	60-80'			✓		✓
<i>Betula nigra</i>	River Birch	FACW	60-80'		✓	✓		
<i>Betula papyrifera</i>	Paper Birch	FACU	50-70'			✓		✓
<i>Betula populifolia</i>	Gray Birch	FAC	30-40'		✓	✓		✓
<i>Carpinus caroliniana</i>	American Hornbeam	FAC	25-30'		✓		✓	
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar	OBL	80-90'		✓			
<i>Cornus florida</i>	Flowering Dogwood	FACU	20-30'				✓	
<i>Fraxinus pennsylvanica</i>	Green Ash	FACW	50-70'		✓	✓	✓	
<i>Juniperus virginiana</i>	Eastern Red Cedar	FACU	30-50'					✓
<i>Larix laricina</i>	American Larch	FACW	60-80'		✓	✓		
<i>Liriodendron tulipifera</i>	Tulip Tree	FACU	80-120'					✓
<i>Nyssa sylvatica</i>	Black Gum	FAC	75-95'		✓	✓		
<i>Picea mariana</i>	Black Spruce	FACW	50-60'		✓	✓		✓
<i>Pinus rigida</i>	Pitch Pine	FACU	50-60'					✓
<i>Pinus strobus</i>	White Pine	FACU	80-100'					✓
<i>Platanus occidentalis</i>	Sycamore	FACW-	60-100'		✓	✓	✓	✓
<i>Populus deltoides</i>	Cottonwood	FAC	75-100'		✓	✓		
<i>Populus tremuloides</i>	Quaking Aspen	FACU	50-60'					✓
<i>Prunus serotina</i>	Black cherry	FACU	30-40'					✓
<i>Prunus virginiana</i>	Chokecherry	FACU	20-30'					✓
<i>Quercus alba</i>	White Oak	FACU	80-100'					✓
<i>Quercus bicolor</i>	Swamp White Oak	FACW+	60-80'		✓	✓		
<i>Quercus coccinea</i>	Scarlet Oak		50-70'				✓	✓
<i>Quercus palustris</i>	Pin Oak	FACW	60-70'		✓	✓		✓
<i>Quercus prinus</i>	Chestnut Oak	UPL	60-80'					✓
<i>Quercus rubra</i>	Red Oak	FACU-	80-100'					✓
<i>Quercus velutina</i>	Black Oak	NI	50-60'					✓
<i>Salix nigra</i>	Black Willow	FACW+	40-50'	✓	✓	✓	✓	
<i>Tsuga canadensis</i>	Hemlock	FACU	80-100'				✓	✓
<i>Ulmus americana</i>	American Elm	FACW-	60-80'			✓		✓
Shrubs								
<i>Alnus incana</i>	Speckled Alder	FACW+	12-15'		✓	✓	✓	
<i>Amelanchier canadensis</i>	Shadblow Serviceberry	FAC	14-18'		✓	✓	✓	✓
<i>Arctostaphylos uva-ursi</i>	Bearberry	UPL	2'					✓
<i>Baccharis halimifolia</i>	Groundsel Tree	FACW	6-10'		✓	✓	✓	✓
<i>Ceanothus americanus</i>	New Jersey Tea	NI	3'					✓
<i>Cephalanthus occidentalis</i>	Buttonbush	OBL	12-18'	✓	✓	✓		
<i>Chamaedaphne calyculata</i>	Leatherleaf	OBL	2-4'		✓	✓		
<i>Clethra alnifolia</i>	Sweet Pepperbush	FAC+	10-14'		✓	✓	✓	
<i>Comptonia peregrina</i>	Sweet Fern	UPL	3-5'					✓
<i>Cornus alternifolia</i>	Alternate leaved Dogwood	UPL	20-25'					✓
<i>Cornus amomum</i>	Silky Dogwood	FACW	6-9'		✓		✓	
<i>Cornus racemosa</i>	Gray Dogwood	FAC	12-15'				✓	✓
<i>Cornus sericea</i>	Red-Osier Dogwood	FACW+	6-10'		✓	✓	✓	✓



SHADE TOLERANCE			Fruit or wildlife value	Spring bloom	Summer bloom	Fall bloom	Fall color	Winter interest	Salt tolerant	Tolerates periodic or seasonal inundation	Bio- engnrng
Intol	Interm	Tol									
✓	✓	✓		i				✓			
✓	✓	✓		i			✓	✓			
	✓	✓		✓			✓				
✓	✓	✓		✓			✓			✓	
✓	✓	✓		i			✓			✓	
✓	✓			i							
✓				i							
✓				✓			✓	✓			
✓				i			✓				
	✓	✓	✓	✓			✓				
✓	✓		✓	i				✓		✓	
✓	✓		✓	✓			✓				
✓	✓	✓	✓	✓			✓			✓	
✓			✓	i				✓			
✓			✓	i			✓			✓	
✓	✓		✓	✓			✓				
✓	✓	✓		i			✓			✓	
✓	✓	✓		i				✓		✓	
✓			✓	i				✓			
✓	✓		✓	✓			✓				
✓			✓	i			✓				
✓			✓	✓			✓				
✓	✓		✓	i			✓				
✓	✓		✓	i			✓			✓	
✓			✓	i			✓				
✓			✓	i			✓	✓		✓	
✓	✓		✓	i			✓				
✓	✓		✓	i			✓				
✓	✓		✓	i			✓				
✓			✓	i						✓	✓
	✓	✓		i				✓			
✓	✓	✓		i			✓				
				i=inconspicuous							
✓	✓		✓	i						✓	✓
✓	✓		✓	✓			✓				
✓	✓		✓	✓				✓			
✓	✓		✓		✓		✓		✓		✓
✓			✓	✓	✓					✓	
✓	✓	✓	✓	✓							
✓	✓		✓		✓				✓		
✓			✓	i	✓			✓			
✓	✓	✓	✓		✓						✓
✓	✓	✓	✓		✓						
✓	✓	✓	✓		✓			✓			✓



Botanical Name	Common Name	Wetland Indicator	Mature Height (ft.)	HABITAT TYPES				
				Water up to one ft deep	Stream banks shore edges	Wet meadows & sunny sites	Forested wetlands & shaded areas	Drier sites
<i>Corylus americana</i>	American Hazelnut	FACU-	3-9'				✓	✓
<i>Diervilla lonicera</i>	Northern Bush Honeysuckle	NI	1-3'					✓
<i>Hanamelis virginiana</i>	Witch Hazel	FAC-	15-20'				✓	✓
<i>Ilex glabra</i>	Inkberry	FACW+	5-8'		✓	✓		
<i>Ilex mucronatus</i>	Mountain Holly	OBL	6-10'		✓		✓	
<i>Ilex verticillata</i>	Winterberry Holly	FACW+	6-9'		✓	✓	✓	
<i>Iva frutescens</i>	High Tide Bush	FACW+	2-10'		✓	✓	✓	
<i>Lindera benzoin</i>	Common Spicebush	FACW-	10-12'		✓	✓	✓	
<i>Morella pensylvanica</i>	Bayberry	FAC	6-10'					✓
<i>Myrica gale</i>	Sweetgale	OBL	4-6'		✓	✓		
<i>Parthenocissus quinquefolia</i>	Virginia Creeper	FACU	1'					✓
<i>Photinia melanocarpa</i> ( <i>Aronia melanocarpa</i> )	Black Chokeberry	FAC	8-10'		✓	✓		✓
<i>Photinia pyrifolia</i> ( <i>Aronia arbutifolia</i> )	Red Chokeberry	FACW	6-10'		✓	✓	✓	
<i>Prunus maritima</i>	Beach Plum	UPL	10-12'					✓
<i>Prunus pumila</i>	Sand Cherry	UPL	1-9'					✓
<i>Prunus pumila var. depressa</i>	Eastern Sand Cherry	UPL	2-3'		✓	✓	✓	✓
<i>Rhododendron periclymenoides</i>	Pink Azalea	FAC	3-6'			✓	✓	
<i>Rhododendron viscosum</i>	Swamp Azalea	OBL	6-9'		✓		✓	
<i>Rhus aromatic</i>	Fragrant Sumac		2-6'					✓
<i>Rhus copallinum</i>	Winged Sumac		10'					✓
<i>Rhus typhina</i>	Staghorn Sumac	UPL	12-20'					✓
<i>Rosa carolina</i>	Carolina Rose	FACU	2-4'					✓
<i>Rosa palustris</i>	Swamp Rose	OBL	6-8'	✓	✓	✓	✓	
<i>Rosa virginiana</i>	Virginia Rose	FAC	4-6'		✓	✓		✓
<i>Salix bebbiana</i>	Bebb's Willow	FACW	10-25'		✓	✓		
<i>Salix discolor</i>	Pussy Willow	FACW	16-20'		✓	✓	✓	
<i>Salix exigua</i>	Sand bar Willow	OBL	6-8'		✓	✓		
<i>Salix sericea</i>	Silky Willow	OBL	6-12'		✓	✓		
<i>Sambucus canadensis</i>	Common Elderberry	FACW-	6-8'		✓	✓	✓	
<i>Spiraea latifolia</i>	Meadowsweet	FAC+	3-5'			✓		✓
<i>Spiraea tomentosa</i>	Steeplebush	FACW	2-4'		✓	✓		
<i>Vaccinium angustifolium</i>	Low Bush Blueberry	FACU-	1-2'					✓
<i>Vaccinium corymbosum</i>	Highbush Blueberry	FACW	8-12'		✓	✓		✓
<i>Viburnum acerifolium</i>	Maple Leaf Viburnum	UPL	4-6'				✓	✓
<i>Viburnum dentatum</i>	Arrowwood	FACW-	6-12'		✓	✓	✓	✓
<i>Viburnum lentago</i>	Nannyberry	FAC	16-20'				✓	✓
<i>Viburnum nudum</i>	Witherod	FACW	6-10'		✓	✓	✓	
<i>Viburnum trilobum</i>	American Cranberrybush	FACW	12-15'		✓	✓	✓	
FERNS								
<i>Adiantum pedatum</i>	Maidenhair Fern	FAC	1-2'				✓	
<i>Demissaedtia punctilobula</i>	Hayscented Fern	FAC	2-3'				✓	✓
<i>Dryopteris marginalis</i>	Marginal Wood Fern	FACU					✓	✓
<i>Matteuccia struthiopteris</i>	Ostrich fern	FACW	3-5'		✓		✓	
<i>Onoclea sensibilis</i>	Sensitive Fern	FACW	2-3'		✓	✓	✓	
<i>Osmunda cinnamomea</i>	Cinnamon Fern	FACW	3-4'		✓	✓	✓	
<i>Osmunda regalis</i>	Royal Fern	OBL	3-5'		✓	✓	✓	
<i>Polystichum acrostichoides</i>	Christmas Fern	FACU-	1-2'				✓	✓
<i>Thelypteris noveboracensis</i>	New York Fern	FAC	2-3'				✓	✓
HERBACEOUS								
<i>Acorus americanus</i>	Sweetflag	OBL	2-3'	✓	✓	✓		



SHADE TOLERANCE			Fruit or wildlife value	Spring bloom	Summer bloom	Fall bloom	Fall color	Winter interest	Salt tolerant	Tolerates periodic or seasonal inundation	Bio-engnrg
Intol	Intern	Tol									
✓	✓	✓		i				✓			
✓	✓	✓		i			✓	✓			
	✓	✓		✓			✓				
✓	✓	✓		✓			✓			✓	
✓	✓	✓		i			✓			✓	
✓	✓			i							
✓				i							
✓				i							
✓				✓			✓	✓			
✓				i			✓				
	✓	✓	✓	✓			✓				
✓	✓		✓	i				✓		✓	
✓	✓			✓			✓				
✓	✓	✓	✓	✓			✓			✓	
✓			✓	i				✓			
✓			✓	i			✓			✓	
✓			✓	i			✓				
✓	✓		✓	✓			✓				
✓	✓	✓		i			✓			✓	
✓	✓	✓		i				✓			
✓	✓		✓	✓			✓				
✓	✓		✓	i			✓				
✓	✓		✓	i			✓			✓	
✓			✓	i			✓				
✓	✓		✓	✓			✓				
✓	✓		✓	i			✓			✓	
✓	✓		✓	i			✓				
✓	✓		✓	i			✓				
✓	✓		✓	i			✓				
✓			✓	i						✓	✓
✓	✓	✓		i				✓			
✓	✓	✓		i			✓				
				i=inconspicuous							
✓	✓		✓	i						✓	✓
✓	✓		✓	✓			✓				
✓	✓		✓	✓				✓			
✓	✓		✓		✓		✓		✓	✓	✓
✓	✓		✓	✓	✓					✓	
✓			✓	✓						✓	
✓	✓		✓		✓				✓		
✓	✓		✓	i				✓			
✓	✓	✓	✓		✓						
✓	✓		✓		✓						✓
✓	✓	✓	✓		✓			✓			✓



Botanical Name	Common Name	Wetland Indicator	Mature Height (ft.)	HABITAT TYPES				
				Water up to one ft deep	Stream banks shore edges	Wet meadows & sunny sites	Forested wetlands & shaded areas	Drier sites
<i>Alisma subcordatum</i>	Water Plantain	OBL	2-3'	✓	✓			
<i>Ammophila brevifolulata</i>	American Beachgrass	FACU-	2-3'					✓
<i>Andropogon gerardii</i>	Big Bluestem	FAC	6-8'					✓
<i>Andropogon virginicus</i>	Broom Sedge Bluestem	FACU	3-4'					✓
<i>Aquilegia canadensis</i>	Red Columbine	FACU	1-3'			✓	✓	
<i>Asclepias incarnata</i>	Swamp milkweed	OBL	4-6'		✓	✓		
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI	1-2'					✓
<i>Calamagrostis canadensis</i>	Blue Joint Grass	FACW+	4-5'	✓	✓	✓		
<i>Calitha palustris</i>	Marsh Marigold	OBL	12-18"		✓	✓		
<i>Carex comosa</i>	Bearded Sedge	OBL	2-4'	✓	✓	✓		
<i>Carex crinita</i>	Fringed sedge	OBL	3-4'		✓	✓	✓	
<i>Carex lupulina</i>	Hop Sedge	FACW+	3-4'		✓	✓	✓	
<i>Carex lurida</i>	Lurid Sedge	OBL	2-3'		✓	✓	✓	
<i>Carex scoparia</i>	Broom Sedge	FACW	1-3'		✓	✓		
<i>Carex stipata</i>	Wrinkle-sheathed Sedge	OBL	1-3'			✓	✓	
<i>Carex stricta</i>	Tussock sedge	OBL	2-4'	✓	✓	✓	✓	
<i>Carex vulpinoidea</i>	Fox sedge	OBL	2-3'		✓	✓	✓	
<i>Chelone glabra</i>	Turtlehead	OBL	2-4'		✓	✓	✓	
<i>Cinna arundinacea</i>	Stout Wood-Reedgrass	FACW+	3-5'		✓	✓	✓	
<i>Coreopsis lanceolata</i>	Lance Leaf Coreopsis	FACU	1-2'			✓		✓
<i>Dulichium arundinaceum</i>	Three-Way Sedge	OBL	1-2'	✓	✓	✓		
<i>Echinacea purpurea</i>	Purple Coneflower	NI	2-3'			✓		
<i>Eleocharis palustris</i>	Spike Rush	OBL	1-3'	✓	✓	✓		
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW	3-5'		✓	✓	✓	
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW	3-6'		✓	✓	✓	
<i>Eupatorium perfoliatum</i>	Boneset	FACW+	5-6'		✓	✓		✓
<i>Eurybia divaricata</i>	White Wood Aster	NI	2-3'		✓		✓	
<i>Euthamia graminifolia</i>	Grass Leaved Goldenrod	FAC	2-3'		✓	✓		
<i>Eutrochium fistulosum</i>	Hollow stem Joe Pye Weed	FACW	5-8'		✓	✓		
<i>Eutrochium maculatum</i>	Spotted Joe-Pye Weed	FACW	5-6'		✓	✓		
<i>Gentiana clausa</i>	Bottle Gentian	FACW	1'		✓	✓		
<i>Glyceria canadensis</i>	Manna Grass	OBL	3-5'	✓	✓	✓		
<i>Glyceria striata</i>	Fowl Manna Grass	OBL	3-5'		✓	✓	✓	
<i>Helenium autumnale</i>	Sneezeweed	FACW	2-4'		✓	✓		
<i>Heliopsis helianthoides</i>	Smooth Oxeye	FACU	2-5'			✓		✓
<i>Hibiscus moscheutos</i>	Swamp Rose Mallow	OBL	4-6'		✓			
<i>Iris versicolor</i>	Blue Flag Iris	OBL	1-3'	✓	✓	✓		
<i>Juncus canadensis</i>	Canada Rush	OBL	3'	✓	✓	✓		
<i>Juncus effusus</i>	Soft Rush	OBL	4'	✓	✓	✓		
<i>Juncus tenuis</i>	Path Rush	FAC-	1-2'		✓	✓	✓	✓
<i>Leersia oryzoides</i>	Rice cutgrass	OBL	3'		✓	✓	✓	
<i>Liatris spicata</i>	Blazing Star	FAC+	3-5'			✓		✓
<i>Lobelia cardinalis</i>	Cardinal Flower	FACW+	2-4'		✓	✓		
<i>Lobelia siphilitica</i>	Great Blue Lobelia	FACW+	1-5'		✓	✓		
<i>Lupinus perennis</i>	Wild Blue Lupine	NI	1-3'					✓
<i>Mimulus ringens</i>	Monkey Flower	OBL	2-3'		✓	✓		
<i>Monarda fistulosa</i>	Wild Bergamot	UPL	4-5'					✓
<i>Nuphar lutea</i>	Yellow Water Lily	OBL	1-2'	✓				
<i>Nymphaea odorata</i>	White Water Lily	OBL	1-2'	✓				
<i>Panicum amarum</i>	Bitter Panicgrass	FACU	4-5'					✓
<i>Panicum virgatum</i>	Switchgrass	FAC	4-7'			✓		✓
<i>Peltandra virginica</i>	Arrow Arum	OBL	2-3'	✓	✓			
<i>Penstemon digitalis</i>	Foxglove Beardtongue	FAC	2-4'		✓	✓		







Botanical Name	Common Name	Wetland Indicator	Mature Height (ft.)	HABITAT TYPES				
				Water up to one ft deep	Stream banks shore edges	Wet meadows & sunny sites	Forested wetlands & shaded areas	Drier sites
<i>Poa palustris</i>	Fowl Bluegrass	FACW	4'		✓	✓		✓
<i>Pontederia cordata</i>	Pickersweed	OBL	3'	✓	✓			
<i>Potamogeton nodosus</i>	Long-Leaf Pondweed	OBL	n/a	✓				
<i>Potamogeton pectinatus</i>	Sago Pondweed	OBL	n/a	✓				
<i>Rudbeckia laciniata</i>	Green Headed Coneflower	FACW	4-8'		✓	✓		
<i>Rudbeckia triloba</i>	Brown Eyed Susan	NI	2-5'		✓	✓		
<i>Sagittaria latifolia</i>	Northern Arrowhead	OBL	3'	✓	✓			
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU-	1-3'					✓
<i>Schoenoplectus acutus</i>	Hard-Stem Bulrush	OBL	3-7'	✓	✓			
<i>Schoenoplectus americanus</i>	Chaimaker's Bulrush	OBL	3-7'	✓	✓	✓	✓	
<i>Schoenoplectus pungens</i>	Three-Square Bulrush	OBL	3-4'	✓	✓			
<i>Schoenoplectus tabernaemontani</i>	Soft-Stem Bulrush	OBL	6-8'	✓	✓			
<i>Scirpus atrovirens</i>	Green bulrush	OBL	4-5'	✓	✓	✓		
<i>Scirpus cyperinus</i>	Woolgrass	OBL	4-5'	✓	✓	✓		
<i>Solidago sempervirens</i>	Seaside Goldenrod	FACW	1-6'		✓	✓		
<i>Sparganium americanum</i>	Burreed	OBL	2-3'	✓				
<i>Spartina alterniflora</i>	Tall Salt Marsh Cordgrass	OBL	2-7'	✓	✓			
<i>Sorghastrum nutans</i>	Indiangrass		3-5'					✓
<i>Spartina patens</i>	Saltmeadow Cordgrass		1-4'					
<i>Symphyotrichum cordifolium</i>	Blue Wood Aster	NI	2-5'		✓	✓	✓	
<i>Symphyotrichum laeve</i>	Smooth Blue Aster	FACU	2-4'			✓		
<i>Symphyotrichum nova-angliae</i>	New England Aster	FACW-	2-6'		✓	✓		
<i>Symphyotrichum puniceum</i>	Swamp Aster	OBL	4-8'		✓	✓		
<i>Typha latifolia</i>	Common Cattail	OBL	7-9'	✓	✓			
<i>Vallisneria americana</i>	Wild Celery	OBL	0-1'	✓				
<i>Verbena hastata</i>	Blue Vervain	FACW+	2-4'		✓	✓		
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+	3-6'		✓	✓		
<i>Zizia aurea</i>	Golden Alexanders	FAC	2-3'		✓	✓		✓



SHADE TOLERANCE			Fruit or wildlife value	Spring bloom	Summer bloom	Fall bloom	Fall color	Winter interest	Salt tolerant	Tolerates periodic or seasonal inundation	Bio- engnrg
Intol	Interm	Tol									
✓	✓		✓	i						i	
✓	✓	✓	✓		✓					✓	
✓					i					✓	
✓					i					✓	
✓	✓		✓		✓						
✓	✓		✓		✓						
✓			✓		✓					✓	
✓			✓			✓		✓			
✓			✓	i						✓	
✓	✓		✓	i	i				✓	✓	
✓	✓		✓	i	i				✓	✓	
✓			✓	i						✓	
✓			✓		i					✓	
✓	✓		✓		i	i				✓	
✓					✓	✓			✓		
✓	✓		✓		i					✓	
✓			✓	i					✓	✓	✓
✓											
✓	✓	✓	✓		✓	✓					
✓			✓		✓	✓					
✓			✓		✓	✓					
✓			✓		✓	✓				✓	
✓	✓		✓	i						✓	
✓			✓		i					✓	
✓	✓		✓		✓	✓					
✓			✓		✓						
✓	✓		✓	✓							



# Directions to New England Wetland Plants 820 West St, Amherst, MA

## FROM THE SOUTH

I-91 to EXIT 19 (Amherst/Northampton)

Bottom of exit turn right onto MA-9

Go across CT river and turn right at first traffic light onto Bay Rd

Follow Bay Rd (which becomes MA-47) approx 2.8 miles until you cross a small bridge, immediately after the bridge MA-47 and Bay Rd split. Turn left onto Bay Rd.

Follow Bay Rd approx 2.9 miles until stop sign at MA-116.

Turn left onto MA-116, follow for about 3/4 mile, until you see a guardrail on the right side of road.

Immediately after the guard rail is entrance to the nursery.

## FROM THE NORTH

I-91 to EXIT 20 (Northampton)

Enter King St and immediately merge into left lane .....0.1 ...mi

At traffic light turn left onto Damon Rd.....1.0 ...mi

At traffic light turn left onto MA-9,

Go across CT river and turn right at first traffic light onto Bay Rd.

Follow directions from same point above.....

## FROM THE EAST

I90 TO EXIT 8 (Palmer)

(Follow signs to UMass/Amherst)

At end of exit, turn right at traffic light onto Thorndike St.....0.7 ...mi

Turn right onto US 20N/North Main St.....1.25 ...mi

Bear right onto MA 181N/Sykes St.....3.0 ...mi

Turn left onto MA 181N/Depot Rd .....0.3 ...mi

Turn right onto MA 181N/Franklin St.....5.5 ...mi

MA 181N becomes US 202/Main St .....0.9 ...mi

Turn left onto MA 9/Federal St .....8.9 ...mi

Turn left onto MA116/West St/S Pleasant St .....3.2 ...mi

Stop at 820 West St. (East side of MA 116).

If you pass the entrance to Hampshire College, you have gone about ½ mile too far.

## FROM THE WEST

I-90 to I-91

North on I-91 to exit 19 (Amherst/Northampton exit)

Follow directions for “from the South” shown above.

## FROM THE NORTHEAST

I-495 to MA-2W via exit 29B toward Leominster .....42.9 ..mi

Take exit 16 to US-202-S/Daniel Shays Hwy .....14 ..mi

Turn right onto Amherst Rd .....6.5 ..mi

Turn left onto S. Pleasant St/MA 116/West St .....3.3 ..mi

Stop at 820 West St



## Terms and Conditions of Sale

**Prices:** All prices are F.O.B. our nursery in Amherst, MA. Prices are subject to change without notice. A surcharge will be added to the cost of all plant material (except seed) for orders of less than \$250.00  
**Sales Tax:** For all orders sales tax will be collected in accordance with the current rules and regulations unless a valid Sales Tax Exemption Certificate is submitted prior to invoice date.

**Order Policy:** All orders are subject to acceptance by New England Wetland Plants, Inc. Customers may place orders for future delivery or pick up and we will do our best to insure that stock is available on the requested date, however, we will not be liable for changes in sizes or availability on future orders. Ship dates on acknowledgements and/or confirmations are approximate dates on which the material ordered will be available for pick up or delivery. Although we make every effort to meet your requested ship date, it is not possible to guarantee shipping dates because of weather and growing conditions. All orders held more than 30 days beyond their initial ship date may be assessed a holding fee or may be cancelled. A purchase order or written order and a 25% deposit are required to hold an order. Orders booked are subject to being rendered void in whole or in part in the event of crop losses, or lack of stock due to causes over which we have no control.

**Postponements and Cancellations:** If customer informs us of a specific pick-up or delivery date, and we are not notified of a cancellation or postponement of pick-up or delivery within 24 hours of said date we will assess a 10% restocking fee, plus delivery charges if applicable.

**Payment Options:** All sales are on a C.O.D. basis unless credit has been established. Payment can be made in cash, by check, or by credit card.

**Credit accounts:** New customers are C.O.D. for the first purchase. Customers wishing to establish credit must complete and sign our credit application before credit will be considered. For customers with approved credit, payment terms are net 30 days from invoice date. On all overdue accounts, interest will be charged at the rate of 1 ½ % per month, totaling 18% per annum. Accounts overdue or those with unpaid interest charges will revert to a C.O.D. basis. If an account is turned over to an attorney or agency for collection, purchaser agrees to pay all legal and/or collection costs. A \$30.00 service charge will be made for all checks that are returned due to insufficient funds.

**Limited Warranty:** New England Wetland Plants, Inc expressly warrants that all plant material purchased will be true to name and form and will be healthy upon leaving our nursery. New England Wetland Plants, Inc. is ready, on proper proof, to replace all such nursery stock that may prove otherwise with a comparable plant, or with a plant of equivalent value or refund the amount originally received at our sole discretion.

**Claims:** All Claims must be made in writing within 3 days after receipt of stock. Failure to present such claim within 3 days shall constitute a waiver of such claim. All claims are subject to approval by New England Wetland Plants, Inc. It is mutually agreed that New England Wetland Plants, Inc. total liability is limited to refund, or replacement, and in no event shall exceed the value of material supplied.



Buttonbush (*Cephalanthus occidentalis*)



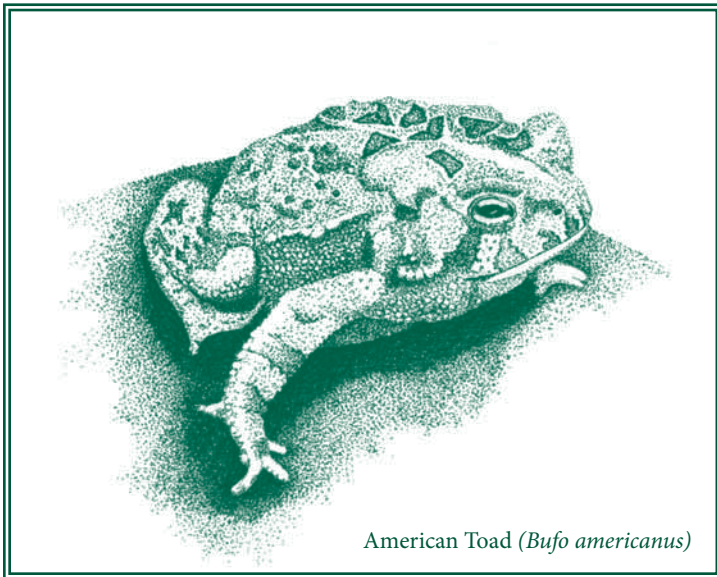
**Pick-Ups:** We encourage all customers to pick up orders at our nursery. We will load and tarp all orders. It is the customers responsibility to provide a tarp that is suitable to cover and protect plants that are being loaded from windburn and excessive drying during transport.

**Delivery:** If pick-up is not convenient we can deliver on our trucks for a reasonable cost per mile. Order value must exceed \$1000 before we will commit our vehicles to a delivery. All deliveries are tailgate only. Customers are responsible to provide labor and equipment for the actual unloading of all material from our vehicles.

**Disputes:** Buyer and Seller agree that this contract is made in Massachusetts and shall be governed by Massachusetts law. The venue for any legal action pertaining to a sale made under this contract shall be in Hampshire County, Massachusetts.

**Acceptance/Conflict of Terms:** Acceptance of delivery of plant material and/or other products supplied by New England Wetland Plants, Inc. shall constitute Buyer's agreement to the terms and/or conditions set forth in this document. Notwithstanding any provision therein to the contrary, no terms and/or conditions in Buyer's purchase order, acknowledgement form, confirmation, or contained in any other document of the Buyer which conflict with the terms and conditions herein, or increase Seller's obligation hereunder, shall be binding on the Seller unless specifically identified and accepted in writing by an executive officer of the New England Wetland Plants, Inc., and, until such acceptance is given in writing, any such terms and/or conditions are rejected and of no effect.

**Quotes:** Quotes are based on availability as of the date quoted. Supply is not guaranteed beyond that date.



American Toad (*Bufo americanus*)



## Notes



## Notes



www.newp.com

DETERMINING PLANTING QUANTITIES IN A GIVEN AREA

SPACING	PLANTS PER SQ. FT.	PLANTS PER ACRE
8 inch OC	2.250	98010
12 inch OC	1.000	43560
15 inch OC	0.640	27878
18 inch OC	0.444	19360
20 inch OC	0.360	15682
24 inch OC	0.250	10890
3 ft OC	0.111	4840
4 ft OC	0.063	2723
5 ft OC	0.040	1742
6 ft OC	0.028	1210
7 ft OC	0.020	889
8 ft OC	0.016	681
9 ft OC	0.012	538
10 ft OC	0.010	436





New England Wetland Plants, Inc.  
820 West St.  
Amherst, MA 01002  

---

www.newp.com

## CHANGE SERVICE REQUESTED

Native Trees, Shrubs, and Herbaceous Plants  
Native Seed Mixes  
Bioengineering and Erosion Control Products