

## **Plant Materials List**

This plant materials list was compiled as a useful guide for municipal, commercial and residential landscaping purposes, for the incorporation of plant species predominantly native to Massachusetts. The purpose of this guide is two-fold; to provide its readers with a list of native plants suitable for landscaping purposes as well as a list of the most common invasive plant species found in the community.

The selection of non-native plant species for residential and commercial landscaping purposes along with the growing proliferation of invasive and non-native species not only in Massachusetts but nationally, has led to an accelerating decline in our native flora and fauna. Choosing native plant species for landscaping purposes, and removing invasive species wherever possible, can counter the decline of native plants.

This following provides a list of Prevalent Invasive Species and a list of Native Species for consideration. For those wishing for photo references, a good on-line source is Google Images which also provides access to more detailed information on each species.

## **Prevalent Invasive Species List**

It is suggested that the plants listed below should be removed where possible and not planted in new landscaping. The species on this list include trees (Norway maple, tree of heaven), shrubs (burning bush, barberry species), vines that kill trees (oriental bittersweet, English ivy), and herbaceous species (purple loosestrife, garlic mustard, common reed). Some of these invasive plants have been commonly used in residential and commercial landscaping and some of them are still available commercially.

<i>Acer platanoides</i>	Norway Maple
<i>Acer pseudoplatanus</i>	Sycamore Maple
<i>Ailanthus altissima</i>	Tree of Heaven
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Ampelopsis brevipedunculata</i>	Porcelainberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis vulgaris</i>	Common or European Barberry
<i>Celastrus orbiculatus</i>	Oriental Bittersweet
<i>Cynanchum louiseae</i>	Black Swallow-wort
<i>Elaeagnus umbellata</i>	Autumn Olive
<i>Euonymus alatus</i>	Burning Bush
<i>Hedera helix*</i>	English Ivy
<i>Ligustrum obtusifolium</i>	Border Privet
<i>Lonicera sp.</i>	All shrub species of Honeysuckles
<i>Lythrum salicaria</i>	Purple Loosestrife
<i>Phragmites australis</i>	Common Reed
<i>Pyrus calleryana*</i>	Callery or Bradford Pear
<i>Fallopia japonica or Polygonum cuspidatum</i>	Japanese Knotweed
<i>Rhamnus cathartica</i>	Common Buckthorn
<i>Rhamnus frangula*</i>	Glossy Buckthorn
<i>Rosa multiflora</i>	Multiflora Rose

(Species noted with an \* are not included on the Massachusetts Prohibited Plant List but are considered to be prevalent and of concern. For a more extensive listing of exotic species considered to be invasive in Massachusetts, please consult the Massachusetts Prohibited Plant List:

([http://www.mass.gov/agr/farmproducts/proposed\\_prohibited\\_plant\\_list\\_v12-12-05.htm](http://www.mass.gov/agr/farmproducts/proposed_prohibited_plant_list_v12-12-05.htm)).

As of January 1, 2009, Massachusetts has prohibited the sale, trade, purchase, and distribution of species so listed.)

## Native Plant Materials List

Following is a comprehensive list of plant species native to Massachusetts that are beneficial to the environment and to native fauna. The primary source for this list was The Vascular Plants of MA; A County Checklist published by the MA Division of Fisheries and Wildlife, (1999 ed). The variety of plants listed should enable landscapers to identify native plants that are similar to many popular non-native plant species in common use. For example, the list provides many native groundcovers that can replace aggressive groundcovers like English ivy, Japanese pachysandra, periwinkle, or bugleweed. In the realm of flowering shrubs, there are native species of viburnums, dogwoods, azaleas, and many others. Many are relatively easy to buy due to the growing interest in native plants.

Endangered, threatened, or species of concern are noted with an (\*) per a list prepared by the MA Division of Fisheries and Wildlife (2005 edition). These may be particularly valuable to plant and are available in many garden centers.

### Deciduous Canopy Trees

<i>Acer rubrum</i>	Red Maple
<i>Acer saccharum</i>	Sugar Maple
<i>Alnus incana</i> ssp. <i>rugosa</i>	Speckled Alder
<i>Betula lenta</i>	Sweet Birch
<i>Betula alleghaniensis</i>	Yellow Birch
<i>Betula nigra</i>	River Birch
<i>Betula populifolia</i>	Gray Birch
<i>Carya alba</i>	Mockernut Hickory
<i>Carya ovata</i>	Shagbark Hickory
<i>Celtis occidentalis</i>	Common Hackberry
<i>Fagus grandifolia</i>	American Beech
<i>Fraxinus americana</i>	White Ash
<i>Fraxinus pennsylvanica</i>	Green Ash
<i>Juglans cinerea</i>	Butternut
<i>Larix laricina</i>	Tamarack, American Larch
<i>Nyssa sylvatica</i>	Tupelo, Black or Sour Gum
<i>Platanus occidentalis</i>	American Sycamore
<i>Populus deltoides</i>	Cottonwood, Necklace Poplar
<i>Populus tremuloides</i>	Quaking Aspen
<i>Prunus serotina</i>	Black Cherry
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus alba</i>	White Oak
<i>Quercus coccinea</i>	Scarlet Oak
<i>Quercus palustris</i>	Pin Oak
<i>Quercus rubra</i>	Northern Red Oak
<i>Salix nigra</i>	Black Willow
<i>Sassafras albidum</i>	Sassafras
<i>Tilia americana</i>	American Linden, American Basswood
<i>Ulmus americana</i>	American Elm, 'Valley Forge', 'New Harmony', 'Princeton'

## Evergreen Trees

<i>Juniperus virginiana</i>	Eastern Red Cedar
<i>Pinus resinosa</i>	Red Pine
<i>Pinus rigida</i>	Pitch Pine
<i>Pinus strobus</i>	White Pine
<i>Thuja occidentalis*</i>	Eastern Arborvitae
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Taxus canadensis</i>	American or Canada Yew

## Deciduous Understory Trees

<i>Acer pensylvanicum</i>	Striped Maple, Moosewood
<i>Amelanchier canadensis</i>	Shadblow, Serviceberry
<i>Amelanchier x grandiflora</i>	Apple Serviceberry, Juneberry
<i>Cornus alternifolia</i>	Alternate-leaf Dogwood
<i>Cornus florida</i>	Flowering Dogwood
<i>Hamamelis virginiana</i>	Witch Hazel, American Witch Hazel
<i>Magnolia virginiana*</i>	Sweetbay Magnolia
<i>Ostrya virginiana</i>	Ironwood, Hophornbeam

## Deciduous Shrubs

<i>Photinia pyrifolia</i>	Red Chokeberry
<i>Photinia melanocarpa</i>	Black Chokeberry
<i>Cephalanthus occidentalis</i>	Buttonbush
<i>Clethra alnifolia</i>	Summer Sweet
<i>Comptonia peregrina</i>	Sweet Fern
<i>Cornus amomum</i>	Silky Dogwood
<i>Cornus racemosa</i>	Gray Dogwood
<i>Cornus sericea</i>	Red-osier Dogwood
<i>Corylus americana</i>	American Hazelnut
<i>Ilex verticillata</i>	Common Winterberry
<i>Lindera benzoin</i>	Spicebush
<i>Rhododendron canadense</i>	Rhodora
<i>Rhododendron viscosum</i>	Swamp Azalea
<i>Rhus typhina</i>	Staghorn Sumac
<i>Rhus glabra</i>	Smooth Sumac
<i>Salix discolor</i>	Pussy Willow
<i>Sambucus canadensis</i>	Elderberry
<i>Spiraea alba var. latifolia</i>	Meadowsweet
<i>Vaccinium angustifolium</i>	Lowbush Blueberry
<i>Vaccinium corymbosum</i>	Highbush Blueberry
<i>Viburnum nudum var. cassinoides</i>	Witherod Viburnum
<i>Viburnum dentatum</i>	Arrowwood Viburnum
<i>Viburnum opulus var. americanum</i>	American Cranberrybush Viburnum

## Evergreen Shrubs

*Ilex glabra*  
*Kalmia angustifolia*  
*Kalmia latifolia*  
*Lyonia lucida*  
*Myrica pensylvanica*  
*Rhodendron maximum\**

Inkberry  
Sheep Laurel  
Mountain Laurel  
Fetterbush  
Bayberry, Wax Myrtle  
Rosebay

## Vines

*Clematis virginiana*  
*Lonicera canadensis*  
*Parthenocissus quinquefolia*

Virgin's Bower  
American Fly Honeysuckle  
Virginia Creeper

## Groundcovers

*Adiantum pedatum*  
*Arctostaphylos uva-ursi*  
*Asarum canadense*  
*Cornus canadensis*  
*Dennstaedtia punctilobula*  
*Epigaea repens*  
*Gaultheria procumbens*  
*Gaylussaccia baccata*  
*Hydrastis canadensis\**  
*Mitchella repens*  
*Polypodium virginianum*  
*Waldsteinia fragarioides\**  
*Tiarella cordifolia*  
*Vaccinium angustifolium*

Maidenhair Fern  
Bearberry, Kinnikinnick  
Wild Ginger  
Bunchberry  
Hay Scented Fern  
Trailing Arbutus  
Wintergreen  
Black Huckleberry  
Goldenseal  
Partridgeberry  
Rock Polypody  
Barren Strawberry  
Heartleaf Foamflower  
Lowbush Blueberry

## Herbaceous Species

*Aquilegia canadensis*  
*Asclepias syriaca*  
*Asclepias tuberosa*  
*Athyrium filix-femina*  
*Bouteloua curtipendula*  
*Chamaecrista fasciculata*  
*Hieracium sp.*  
*Liatris scariosa\**  
*Lilium canadense*  
*Lilium philadelphicum*  
*Lilium superbum*  
*Lupinus perennis*  
*Maianthemum canadense*  
*Maianthemum racemosum*

Wild Red Columbine  
Common Milkweed  
Butterflyweed  
Northern Lady Fern  
Sideoats Grama  
Partridge Pea  
Hawkweed *sp.*  
New England Blazing Star  
Canada Lily  
Wood Lily  
Turk's Cap Lily  
Wild Blue Lupine  
Canada Mayflower  
False Solomon's Seal, Solomon's Plume

*Matteuccia struthiopteris*  
*Monarda fistulosa*  
*Onoclea sensibilis*  
*Penstemon hirsutis*\*  
*Podophyllum peltatum*  
*Polystichum acrostichoides*  
*Schizachyrium scoparium*  
*Solidago sp.*  
*Sorghastrum nutans*  
*Symphotrichum laeve*  
*Symphotrichum lateriflorum*  
*Symphotrichum novae-angliae*  
*Verbena hastata*  
*Zizia aurea*

Ostrich Fern  
 Beebalm, Wild Bergamot  
 Sensitive Fern  
 Hairy Beard-tongue  
 Mayapple  
 Christmas Fern  
 Little Bluestem  
 Goldenrod  
 Indian Grass  
 Smooth Blue Aster  
 Calico Aster  
 New England Aster  
 Blue Vervain, Simpler's Joy  
 Golden Alexanders

## Herbaceous Species - Understory

*Actaea pachypoda*  
*Actaea racemosa*\*  
*Actaea rubra*  
*Anemone virginiana*  
*Aquilegia canadensis*  
*Arisaema triphyllum*  
*Carex stricta*  
*Carex vulpinoidea*  
*Caulophyllum thalictroides*  
*Chelone glabra*  
*Chelone lyonii*  
*Dennstaedtia punctilobula*  
*Dicentra canadensis*  
*Dicentra cucullaria*  
*Elymus canadensis*  
*Eupatoriadelphus maculatus*  
*Eupatorium perfoliatum*  
*Eurybia divaricata*  
*Eurybia macrophylla*  
*Glyceria canadensis*  
*Geum laciniatum*  
*Hepatica nobilis var. acuta*  
*Iris versicolor*  
*Impatiens capensis*  
*Juncus effusus*  
*Juncus tenuis*  
*Leersia oryzoides*  
*Lobelia siphilitica*\*  
*Maianthemum racemosum*  
*Mimulus ringens*  
*Onoclea sensibilis*  
*Osmorhiza claytonii*  
*Osmunda cinnamomea*  
*Osmunda regalis*  
*Sanguinaria canadensis*  
*Schoenoplectus tabernaemontani*  
*Schoenoplectus (Bolboschoenus) fluviatilis*\*

White Baneberry, Doll's Eyes  
 Black Cohosh, Black Bugbane  
 Red Baneberry  
 Thimbleweed  
 Wild Red Columbine  
 Jack-In-The-Pulpit  
 Tussock Sedge  
 Fox Sedge  
 Blue Cohosh  
 White Turtlehead  
 Pink Turtlehead  
 Hay-Scented Fern  
 Squirrel Corn  
 Dutchman's Breeches  
 Canada Wild Rye  
 Joe-Pye Weed, Spotted Trumpetweed  
 Boneset  
 White Wood Aster  
 Large Leaf Aster  
 Rattlesnake Mannagrass  
 Rough Avenas  
 Sharp-lobed Hepatica  
 Northern Blue Flag  
 Jewelweed, Touch-me-not  
 Common or Soft Rush  
 Path or Poverty Rush  
 Rice Cut Grass  
 Great Blue Lobelia  
 False Solomon's Seal, Solomon's Plume  
 Allegheny Monkey Flower  
 Sensitive Fern  
 Sweet Cicely, Clayton's Sweetroot  
 Cinnamon Fern  
 Royal Fern  
 Bloodroot  
 Soft-Stem Bulrush  
 River Bulrush

*Scirpus cyperinus*  
*Symphyotrichum ericoides*  
*Symphyotrichum pilosum*  
*Symphyotrichum prenanthoides\**  
*Symplocarpus foetidus*  
*Thalictrum thalictroides*  
*Verbena hastata*

Woolgrass  
White Heath Aster  
Hairy White Old Field Aster, Frost Aster  
Crooked Stem Aster, Zigzag Aster  
Skunk Cabbage  
Rue Anemone  
Blue Vervain, Simpler's Joy

### **Herbaceous Wetland Species - Deep Marsh (6" – 3' water depth)**

*Acorus americanus*  
*Alisma plantago-aquatica*  
*Carex comosa*  
*Carex stricta*  
*Eleocharis palustris*  
*Glyceria canadensis*  
*Iris versicolor*  
*Nuphar luteum*  
*Nymphaea odorata*  
*Peltandra virginica*  
*Pontederia cordata*  
*Potamogeton pectinatus*  
*Sagittaria latifolia*  
*Sparganium americanum*  
*Schoenoplectus acutus*  
*Schoenoplectus pungens*  
*Schoenoplectus tabernaemontani*  
*Typha latifolia*  
*Vallisneria americana*

Sweetflag  
Water Plantain  
Longhair Sedge  
Tussock Sedge  
Spike Rush  
Rattlesnake Mannagrass  
Northern Blue Flag  
Yellow Pond Lily  
White Water Lily  
Green Arrow Arum  
Pickerelweed  
Sago Pond Weed  
Arrowhead, Duck Potato  
American Bur-reed  
Hard-Stem Bulrush  
Three-Square Bulrush  
Soft-Stem Bulrush  
Common Cattail, Broadleaf Cattail  
Wild Celery, American Eelgrass

### **Herbaceous Wetland Species - Shallow Marsh (0" – 6" water depth)**

*Asclepias incarnata*  
*Carex stipata*  
*Elymus canadensis*  
*Elymus virginicus*  
*Eupatoriadelphus fistulosus*  
*Eupatorium perfoliatum*  
*Juncus canadensis*  
*Juncus effusus*  
*Juncus tenuis*  
*Lobelia cardinalis*  
*Monarda fistulosa*  
*Osmunda cinnamomea*  
*Osmunda regalis*  
*Panicum virgatum*  
*Scirpus atrovirens*  
*Scirpus cyperinus*  
*Symphyotrichum laeve*  
*Symphyotrichum novae-angliae*

Swamp Milkweed  
Awl-fruited Sedge, Owl Fruit Sedge  
Canada Wild Rye  
Virginia Wild Rye  
Hollow-stemmed Joe-Pye Weed, Trumpetweed  
Boneset  
Canada Rush  
Common or Soft Rush  
Path or Poverty Rush  
Cardinal Flower  
Beebalm, Wild Bergamot  
Cinnamon Fern  
Royal Fern  
Switchgrass  
Green Bulrush  
Wool Grass  
Smooth Blue Aster  
New England Aster

*Symphotrichum puniceum*  
*Verbena hastata*

Purplestem Aster  
Blue Vervain, Simpler's Joy

## Seed Lists

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### Wet Meadow Mix

*Andropogon gerardii*  
*Asclepias incarnata*  
*Sorghastrum nutans*  
*Bouteloua curtipendula*  
*Carex stipata*  
*Carex stricta*  
*Elymus canadensis*  
*Elymus virginicus*  
*Eupatoriadelphus fistulosus*  
*Eupatorium perfoliatum*  
*Juncus effusus*  
*Lobelia cardinalis*  
*Monarda fistulosa*  
*Scirpus cyperinus*  
*Symphotrichum laeve*  
*Symphotrichum novae-angliae*  
*Verbena hastata*

Big Bluestem  
Swamp Milkweed  
Indian Grass  
Sideoats Grama  
Awl-fruited Sedge, Owl Fruit Sedge  
Tussock Sedge  
Canada Wild Rye  
Virginia Wild Rye  
Hollow-stemmed Joe-Pye weed, Trumpetweed  
Boneset  
Common or Soft Rush  
Cardinal Flower  
Beebalm, Wild Bergamot  
Wool Grass  
Smooth Blue Aster  
New England Aster  
Blue Vervain, Simpler's Joy

### Dry Meadow Mix

*Andropogon gerardii*  
*Asclepias syriaca*  
*Asclepias tuberosa*  
*Chamaecrista fasciculata*  
*Coreopsis rosea*  
*Desmodium canadense*  
*Dichanthelium clandestinum*  
*Elymus canadensis*  
*Elymus villosus* Muhl. ex Willd.\*  
*Festuca rubra*  
*Lespedeza capitata*  
*Lupinus perennis*\*  
*Monarda fistulosa*  
*Panicum virgatum*  
*Penstemon hirsutus*\*  
*Poa palustris*  
*Rudbeckia laciniata*  
*Schizachyrium scoparium*  
*Solidago canadensis*  
*Solidago speciosa*  
*Sorghastrum nutans*  
*Symphotrichum laeve*

Big Bluestem  
Common Milkweed  
Butterflyweed  
Partridge Pea  
Pink Coreopsis, Pink Tickseed  
Showy Tick Trefoil  
Deertongue  
Canada Wild Rye  
Hairy Wild Rye  
Creeping Red Fescue  
Roundheaded Bush Clover  
Wild Blue Lupine  
Beebalm, Wild Bergamot  
Prarie Switchgrass  
Hairy Beard-tongue  
Fowl Meadow Grass, Fowl Blue Grass  
Cut-leaf or Green-headed Coneflower  
Little Bluestem  
Canada Goldenrod  
Showy Goldenrod  
Indian Grass  
Smooth Blue Aster



*Symphotrichum lateriflorum*  
*Symphotrichum novae-angliae*  
*Verbena hastata*

Calico Aster  
New England Aster  
Blue Vervain, Simpler's Joy

## Native Turf Sun Mix

*Festuca aurundinacea*  
*Festuca rubra fallax*

Tall Fescue (Not native to MA)  
Chewings Fescue (Not native to MA)

(Editors Note: Though both species are not native to Massachusetts no reasonable alternative species exist for those wishing turf lawns. This mix requires less frequent mowing and should be cut higher than bluegrass lawns.)

## Native Turf Shade Mix

*Festuca rubra ssp.rubra*

Red Fescue

## Woodland/Riparian Mix

*Actaea racemosa\**  
*Anemone virginiana*  
*Aquilegia canadensis*  
*Arisaema triphyllum*  
*Carex comosa*  
*Carex vulpinoidea*  
*Caulophyllum thalictroides*  
*Elymus riparius*  
*Elymus virginicus*  
*Eupatoriadelphus maculatus*  
*Eupatorium perfoliatum*  
*Eurybia macrophylla*  
*Geum laciniatum*  
*Heliopsis helianthoides*  
*Juncus effusus*  
*Maianthemum racemosum*  
*Mimulus ringens*  
*Osmorhiza claytonii*  
*Polemonium reptans*  
*Rubus allegheniensis*  
*Symphotrichum ericoides*  
*Symphotrichum pilosum*  
*Symphotrichum prenanthoides\**  
*Symphotrichum ericoides*  
*Verbena hastata*

Black Cohosh  
Thimbleweed  
Wild Red Columbine  
Jack-In-The-Pulpit  
Longhair Sedge  
Fox Sedge  
Blue Cohosh  
Riverbank Wild Rye  
Virginia Wild Rye  
Joe-Pye Weed, Spotted Trumpetweed  
Boneset  
Large Leaf Aster  
Rough Avens  
Oxeye Sunflower  
Common or Soft Rush  
False Solomon's Seal, Solomon's Plume  
Allegheny Monkey Flower  
Sweet Cicely, Clayton's Sweetroot  
Greek Valerian, Jacob's Ladder  
Allegheny Blackberry, Common Blackberry  
White Heath Aster  
Hairy White Old Field Aster, Frost Aster  
Crooked Stem Aster, Zig Zag Aster  
White Heath Aster  
Blue Vervain, Simpler's Joy