

TABLE 1: Species for Tree and Shrub Plantings

Trees for Dry-Open Sites

Scientific Name	Common Name	Mature Height
<i>Betula populifolia</i>	Gray Birch	30'
<i>Juniperis virginiana</i>	Eastern Red Cedar	10-75'
<i>Pinus resinosa</i>	Red Pine	70'
<i>Pinus rigida</i>	Pitch Pine	50'
<i>Pinus strobus</i>	White Pine	80'
<i>Quercus rubra</i>	Red Oak	70'
<i>Quercus coccinea</i>	Scarlet Oak	70'
<i>Quercus velutina</i>	Black Oak	70'

Shrubs for Dry-Open Sites

Scientific Name	Common Name	Mature Height
<i>Amelanchier canadensis</i>	Shadbush	15'
<i>Ceanothus americanus</i>	New Jersey Tea	4'
<i>Comptonia peregrina</i>	Sweetfern	4'
<i>Cornus racemosa</i>	Gray Dogwood	6-10'
<i>Gaylussacia baccata</i>	Black Huckleberry	1'
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	4'
<i>Juniperus communis</i>	Pasture Juniper	2'
<i>Myrica pensylvanica</i>	Bayberry	6'
<i>Prunus maritima</i>	Beach plum	6'
<i>Rhus aromatica</i>	Fragrant Sumac	3'
<i>Rhus copallina</i>	Shining Sumac	4-10'
<i>Rhus glabra</i>	Smooth Sumac	9-15'
<i>Rosa carolina</i>	Pasture Rose	3'
<i>Rosa virginiana</i>	Virginia Rose	3'
<i>Spiraea tomentosa</i>	Steeplebush	3-4'
<i>Viburnum dentatum/recognitum</i>	Arrowwood	5-8'
<i>Viburnum lentago</i>	Nannyberry	15'

Shrubs For Dry-Shady Sites

Scientific Name	Common Name	Mature Height
<i>Hamamelis virginiana</i>	Witch Hazel	15'
<i>Kalmia latifolia</i>	Mountain Laurel	3-8'
<i>Rhododendron nudiflorum</i>	Pinxterbloom Azalea	4-6'
<i>Vaccinium angustifolium</i>	Lowbush Blueberry	2'
<i>Viburnum dentatum</i>	Arrowwood	5-8'

Trees For Moist Sites

Scientific Name	Common Name	Mature Height
<i>Acer rubrum</i>	Red Maple	60'
<i>Betula nigra</i>	River Birch	
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar	
<i>Fraxinus pennsylvanica</i>	Green Ash	60'
<i>Picea mariana</i>	Black Spruce	40'
<i>Picea glauca</i>	White Spruce	
<i>Picea rubens</i>	Red Spruce	70'

Native Plant List

Trees for Moist Sites, cont.

Scientific Name	Common Name	Mature Height
<i>Populus deltoides</i>	Eastern Cottonwood	80-100'
<i>Populus tremuloides</i>	Quaking Aspen	30-60'
<i>Salix nigra</i>	Black Willow	40'
<i>Tilia americana</i>	Basswood	60-80'

Shrubs For Moist-Open Sites

Scientific Name	Common Name	Mature Height
<i>Amelanchier canadensis</i>	Shadbush	15'
<i>Aronia arbutifolia/melanocarpa</i>	Chokeberry	8-12'
<i>Clethra alnifolia</i>	Sweet Pepper Bush	3-10'
<i>Cornus amomum</i>	Silky Dogwood	15'
<i>Cornus sericea</i>	Red Osier Dogwood	7-10'
<i>Cornus racemosa</i>	Gray Dogwood	6-10'
<i>Corylus americana</i>	American Hazelnut	10'
<i>Corylus cornuta</i>	Beaked Hazelnut	10'
<i>Ilex glabra</i>	Inkberry	2-6'
<i>Ilex verticillata</i>	Winterberry	10'
<i>Kalmia angustifolia</i>	Sheep laurel	3'
<i>Leucothoe fontanesiana</i>	Drooping Leucothoe	3-7'
<i>Lindero benzoin</i>	Spicebush	10'
<i>Sambucus canadensis</i>	Elderberry	6'
<i>Spiraea latifolia</i>	Meadowsweet	5'
<i>Salix discolor</i>	Pussy Willow	10'
<i>Rhododendron maximum</i>	Rosebay	12-15'
<i>Rhododendron viscosum</i>	Swamp Azalea	8'
<i>Rubus odoratus</i>	Pink Flowering Raspberry	5'
<i>Viburnum cassinoides</i>	Wild Raisin	6'
<i>Vaccinium corymbosum</i>	Highbush Blueberry	10'
<i>Viburnum dentatum</i>	Arrowwood	5-8'
<i>Viburnum trilobum</i>	Highbush Cranberry	7'

Shrubs For Moist-Shady Sites

Scientific Name	Common Name	Mature Height
<i>Corylus americana</i>	American Hazelnut	6'
<i>Cornus amomum</i>	Silky Dogwood	15'
<i>Hamamelis virginiana</i>	Witch-hazel	15'
<i>Kalmia latifolia</i>	Mountain laurel	3-8'
<i>Leucothoe fontanesiana</i>	Drooping leucothoe	6'
<i>Leucothoe racemosa</i>	Swamp doghobble	8'
<i>Lindera benzoin</i>	Spicebush	10'
<i>Lonicera villosa</i>	Mt. Fly Honeysuckle	4'
<i>Rhododendron arborescens</i>	Sweet Azalea	9'
<i>Rhododendron carolinianum</i>	Carolina Rhododendron	6'
<i>Rhododendron maximum</i>	Rosebay Rhododendron	12-15'
<i>Rubus odoratus</i>	Pink Flowering Raspberry	5'
<i>Vaccinium corymbosum</i>	Highbush Blueberry	6-8'
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	6-8'
<i>Viburnum dentatum</i>	Arrowwood	5-8'
<i>Viburnum trilobum</i>	Highbush Cranberry	6-10'

TABLE 2. Species for Grass and Legume Plantings

Plant Name Common (latin)	Plant Characteristics	Uses and Establishment Notes
American Beachgrass (<i>Ammophila breviligulata</i>)	<ul style="list-style-type: none"> • Native to Massachusetts, (in fact, the 'Cape' variety available from nurseries, is the native strain) • Extensively rhizomatous in sandy soils and readily grows up through new deposition layers (dunes) • 3 ft. mature height • Adapted to coastal dunes Cool Season 	<ul style="list-style-type: none"> • Tolerant of droughty sands, full sun Intolerant of foot and vehicular traffic • Established by planting dormant stems(culms), 2-3 per planting unit on 12"-18" centers • Useful as initial vegetative cover on dunes and other sandy sites, to be later inter-planted with native woody shrubs
Bentgrass, Creeping Marsh (<i>Agrostis stolonifera Var. palustris</i>)	<ul style="list-style-type: none"> • Native to Massachusetts Rhizomatous perennial • Sod forming FACW • Adapted to wet meadows, shores and coastal marshes • Cool Season 	<ul style="list-style-type: none"> • Tolerant of wet soils and flooding Seed in mixes at 11b./acre rate (4.5 million seeds/pound) • Suitable for waterways and ditch or pond banks
Bluestem, Big (<i>Andropogon gerardii</i>) Bluestem, Little (<i>Schizachyrium scoparium</i>)	<ul style="list-style-type: none"> • Both Native to Massachusetts • Perennial bunchgrasses, with dense root systems • Big (7 ft. height), Little (3 ft. height) • Big (FAC); • Little (FACU) • Adapted to hot, dry, sunny sites in sandy, loamy or silt soils • Both Warm season 	<ul style="list-style-type: none"> • Tolerates medium to low fertility soil with pH 5.0-7.5 • Seed at 2 to 5 lbs. per acre in a mix and 5 to 10 lbs. per acre when seeded alone Useful for stabilizing sand and gravel pits, road sides and mine spoil • Slow to germinate the first year • Seed in early spring with a native grass drill. Roll or cultipack

Native Plant List

Grass and Legume Plantings cont'd

<p>Plant Name Common (latin)</p>	<p>Plant Characteristics</p>	<p>Uses and Established Notes</p>
<p>Bromegrass, Fringed (<i>Bromus ciliatus</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Rhizomatous perennial • 1- 5 ft. mature height, • FACW • Cool Season 	<ul style="list-style-type: none"> • Tolerant of full sun or partial shade • Good species for moist soils • Suitable for waterways and pond banks
<p>Broom-Sedge (<i>Andropogon virginicus</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 2—5 ft. mature height • FACW • Warm Season 	<ul style="list-style-type: none"> • Adapted to dry, open sites with a variety of soil types • Suited for general erosion control where an eastern prairie • Prairie appearance is desired
<p>Bushclover, Hairy (<i>Lespedeza hirta</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Erect perennial • Warm Season 	<ul style="list-style-type: none"> • Open, sandy, sterile sites • Use in mixes with native, warm season grasses.
<p>Bushclover, Round Head (<i>Lespedeza capitata</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Erect perennial • Warm Season 	<ul style="list-style-type: none"> • Roadsides, sandy, dry sites • Useful in mixes with native, warm season grasses
<p>Cordgrass, Freshwater (<i>Spartina pectinata</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • OBL • 2—7 ft. mature height • Adapted to upland edge of salt marshes where soil is relatively dry • Warm Season, July — Sept. 	<ul style="list-style-type: none"> • Tolerant of saltwater flooding • Suited to wet soil in eastern prairie applications • Suitable for stream bank or wetland stabilization
<p>Cordgrass, Saltmeadow (<i>Spartina patens</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Small perennial grass • Less than 2 1/2 ft. • Thin stems bend easily and form big cowlicks in the marsh • Warm Season, late June — Oct. 	<ul style="list-style-type: none"> • Tolerant of daily saltwater flooding, wet soils, and full sun; • Grows on high marsh sites
<p>Cordgrass, Smooth (<i>Spartina alterniflora</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Tall perennial grass • Up to 8 ft. • Spreads by rhizomes and builds strong underground network • Warm Season 	<ul style="list-style-type: none"> • Tolerant of constant saltwater flooding, wet soils, and full sun; • Grows on low marsh sites, along outer edge of salt marsh, and along the edge of creeks and ditches; • On protected beaches and mud flats, acts as colonizer, initiating marsh formation. • Dense stands trap silt and cause elevation of soil to rise.

Grass and Legume Plantings cont'd

Plant Name Common (<i>latin</i>)	Plant Characteristics	Uses and Established Notes
Cut Grass, Rice (<i>Leersia oryzoides</i>)	<ul style="list-style-type: none"> • Native to Massachusetts OBL 2-5 ft mature height Cool Season 	<ul style="list-style-type: none"> • Tolerant of saturated soils, full sun and flooding Suited for waterways, pond/ditch/stream bank stabilization
Deertongue Grass (<i>Leersia olyzoides</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial, spreads slowly by seed and rhizomes • Up to 3 ft. mature height • FAC+ • Adaptation: dry to moist sites with full sun to partial shade • Warm Season 	<ul style="list-style-type: none"> • Best grass for acid soil sites • Tolerant of low fertility sites • Use for cover of erodible sandy areas such as road/ditch banks and sand and gravel borrows • Seed in mixes at rate of 5-10 lbs/ac • Seed with other native warm season species or with perennial ryegrass
Dropseed, Poverty (<i>Sporobolus vaginiflorus</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Annual bunchgrass • 1 — 2 ft. mature height • UPL • Shallow root system • Warm Season 	<ul style="list-style-type: none"> • Tolerant of dry sites with full sun and low fertility • Suitable as a native nurse crop for warm season mixes • Adapted to dry roadside sites
Fescue, Red Creeping Red Fescue (<i>Festuca rubra var rubra</i>) Chewings Red Fescue (<i>Festuca rubra commutata</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Short perennial with round, wiry basal leaves • Creeping Red Fescue tends to grow in tufts on low fertility sites, but spreads by rhizomes in more fertile soils • Chewings in a true bunch type • FACU • Cool Season 	<ul style="list-style-type: none"> • Valuable for its shade tolerance • Suited for close growing cover in mixes; seed at rate of 10-40 lbs. per acre depending on use • Adapted to a wide variety of soil types; tolerant of dry and very moist sites • Suited for low maintenance areas, general purpose turf or in mixes for wood roads, landings, road banks • Adapted to full or partial shade
Groundnut (<i>Apios americana</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Climbing vine • 3-10 ft. in length • From rhizome 	<ul style="list-style-type: none"> • Moist soils • Use in mixes for pond and stream banks
Indiangrass (<i>Sorghastrum nutans</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial, Bunchgrass • 3 — 5 ft. mature height • Warm Season 	<ul style="list-style-type: none"> • Grows best in fertile loam • Has a light and fluffy seed. • Use a native grass drill designed for chaffy seed. • Seed at 2-5 lbs. per acre in a mix or 5-10 lbs/ac alone

Native Plant List

Grass and Legume Plantings cont'd

<p>Plant Name Common (<i>latin</i>)</p>	<p>Plant Characteristics</p>	<p>Uses and Establishment Notes</p>
<p>Lovegrass, Tumble (<i>Eragrostis spectabilis</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial, bunchgrass. • 12— 18 inches in height • UPL • Warm Season 	<ul style="list-style-type: none"> • Suited to dry sites with full sun • Purplish-pink appearance in flower (late summer) • Low maintenance
<p>Manna Grass, Canada (<i>Glyceria canadensis</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 2 — 3 ft. height • OBL • Cool Season 	<ul style="list-style-type: none"> • Suited to very wet sites • Good for initial wetland cover
<p>Manna Grass, Fowl (<i>Glyceria striata</i>) _</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 2 — 3 ft. height • OBL • Cool Season 	<ul style="list-style-type: none"> • Suited to very wet sites • Low maintenance
<p>Pea, Beach (<i>Lathyrus japonicus</i>)</p>	<ul style="list-style-type: none"> • Native to Coastal Mass. • Perennial with rhizomes 	<ul style="list-style-type: none"> • Adapted to beach/dune sites • Seeded in moist, inter-dune areas
<p>Reed Grass, Blue Joint (<i>Calamagrostis canadensis</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 4 -5 ft height • Spreads by rhizomes • FACW+ • Cool Season, 	<ul style="list-style-type: none"> • Adapted to wet sites with full sun • Tolerates flooded conditions • Suited for waterways, ditches, pond/stream banks
<p>Rush, Path (<i>Juncus tenuis</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • perennial • 12 in. height • FAC- 	<ul style="list-style-type: none"> • Adapted to full or partial sun • Tolerant of flooding , wet soils and compacted soils • Suited for cover of access road surfaces
<p>Switchgrass (<i>Panicum virgatum</i>)</p>	<ul style="list-style-type: none"> • Native to Massachusetts • Warm Season, bunchgrass • 3 -5 ft height • FAC • Provides excellent nesting and fall and winter wildlife cover • Expect 1-2 years for establishment 	<ul style="list-style-type: none"> • Adapted to a wide range of sites: • Dry, Moist, Wet, Full Sun or Partial Sun • Tolerant of salt • Seed at 5 - 10 lbs. PLS per acre in mix or 15 lbs. PLS per acre alone • Suited to pH of 4.5-7.5

Plant Name Common (<i>latin</i>)	Plant Characteristics	Uses and Establishment Notes
Trefoil, Showy-Tick (<i>Desmodium canadense</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Taproot • 2—5 ft. height 	<ul style="list-style-type: none"> • Adapted to moist - dry open sites and all soil textures
Wild Rye, Canada (<i>Elymus canadensis</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 2 1/2 - 6 ft. height • Good wildlife food and cover • FACU+ • Cool Season 	<ul style="list-style-type: none"> • Suited to dry-moist sites with full sun or partial shade • Seed in mixes at 5 lbs/acre
Wild Rye, Riverbank (<i>Elymus riparius</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 3 - 5 ft. height • FACW • Cool Season 	<ul style="list-style-type: none"> • Suited to moist to wet sites with partial shade • Tolerates flooding
Wild Rye, Virginia (<i>Elymus virginicus</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 4—5 ft. height • Good wildlife food and cover • FACW- • Cool Season 	<ul style="list-style-type: none"> • Suited to wet sites but can tolerate drought. Can tolerate shade. • Good initial grass for seeding newly established wetlands
Wood Reed, Stout (<i>Cinna arundinacea</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 5 ft. height • FACW • Cool Season 	<ul style="list-style-type: none"> • Adapted to interior woodland and woodland borders • Tolerant of shade

TABLE 2 NOTES:

Wetland Plant Indicator Categories:

Abbreviation	Indicator Category	Description	Probability of Occurrence
OBL	Obligate Wetland	Occur almost always under natural conditions in wetlands	> 99%
FACW	Facultative Wetland	Usually occur in wetlands, but occasionally found in nonwetlands	67% - 99%
FAC	Facultative	Equally likely to occur in wetlands Or nonwetlands.	34% - 66%
FACU	Facultative Upland	Usually occur in nonwetlands, but occasionally found in wetlands	1% - 33%
UPL	Obligate Upland	Occur in wetlands in another region, but occur almost always under natural conditions in nonwetlands here.	> 99%

(A positive (+) or negative (-) sign is used to indicate more or less regional frequency of occurrence in wetlands.)