

Appendix B: Landscape Guidance

LARGE TREES Mature Height More than 50'	Table 1: LARGE TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
American Basswood (Linden)*	YES	YES	YES	YES	NO	YES	YES	YES
White Basswood (Linden)	YES	YES	YES	YES	NO	YES	YES	YES
American Beech*	YES	YES	NO ^B	NO ^B	NO	YES	YES	YES
European Beech	YES	YES	NO ^B	NO ^B	NO	YES	YES	YES
Blackgum*	YES	YES	NO	NO	NO	YES	YES	YES
Yellow Buckeye	YES	NO	NO	NO	NO	YES	YES	YES
Bald Cypress*	YES	YES	NO	NO	NO	YES	YES	NO
American Elm	YES	YES	YES ^C	YES ^C	NO	YES	YES	YES
Hackberry*	YES	YES	NO	NO	NO	YES	YES	YES
European Hornbeam	YES	YES	YES	NO	NO	NO	YES	NO
Ginkgo	YES	YES	NO ^D	NO	NO	YES	YES ^E	NO
Red Maple*	YES	YES	YES	YES	NO	YES	YES	YES
Sugar Maple*	YES	YES	YES	YES	NO	YES	YES	YES
Black Oak	YES	YES	NO	NO	NO	NO	YES	YES
Bur Oak	YES	YES	NO ^B	NO ^B	NO	YES	YES	YES
Chestnut Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Chinkapin Oak*	YES	YES	NO ^B	NO ^B	NO	YES	YES	YES
English Oak	YES	YES	YES	YES	NO	YES	YES	NO
Northern Red Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Post Oak	YES	YES	NO	NO	NO	NO	YES	YES
Sawtooth Oak	YES	YES	YES	YES	NO	YES	YES	NO
Scarlet Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Shumard Oak*	YES	YES	YES	YES	NO	YES	YES	LIMITED
Southern Red Oak*	YES	YES	YES	YES	NO	YES	YES	LIMITED
White Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Willow Oak*	YES	YES	YES	YES	NO	YES	YES	YES
Loblolly Pine*	YES	NO	NO	NO	NO	NO	YES	LIMITED
Pitch Pine	YES	YES ^A	NO	NO	NO	NO	YES	YES
Shortleaf Pine*	YES	YES ^A	NO	NO	NO	NO	YES	YES
White Pine*	YES	YES ^A	NO	NO	NO	NO	YES	YES
London Planetree/Sycamore ^F	YES	YES	NO	NO	NO	YES	NO	NO
Tulip Poplar*	YES	YES	YES	YES	NO	YES	YES	LIMITED
Dawn Redwood	YES	YES ^A	NO	NO	NO	NO	YES	NO
Sweetgum*	YES	YES	NO ^B	NO ^B	NO	YES	YES	LIMITED
Black Cherry*	NO	NO	NO	NO	NO	NO	YES	YES
Virginia Pine*	NO	YES ^A	YES	NO	NO	NO	YES	YES
Laurel Oak	YES	YES	NO	YES	NO	NO	YES	NO
Winged Elm	YES	YES	YES	NO	NO	NO	YES	YES
Eastern Hemlock	NO	NO	NO	NO	NO	NO	YES	NO

A. If site does not obstruct visibility and median width is acceptable

B. Large nuts can cause difficulties under foot

C. If hybrid, disease-resistant variety is used

D. Because of slow-growing nature and 'stick-like' appearance

E. Male trees, only

F. Two different species; both can produce pollen, causing allergies

* Native to south central United States

**Tree placement and maintenance procedures should be respectful of sight distance

***Yes = well suited for shallow, poor soil quality on disturbed hillsides;

No = non natives, slow growth rate or riparian-oriented species;

Limited = better suited for good soil conditions and north-facing slopes

MEDIUM TREES Mature Height 30' - 50'	Table 2: MEDIUM TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
Arborvitae*	YES	YES	YES	NO	NO	NO	YES	LIMITED
River Birch*	YES	YES	NO	NO	NO	YES	YES	NO
Catalpa*	YES	YES	NO	NO	NO	NO	YES	YES
Atlantic White Cedar*	YES	YES ^A	YES ^B	NO	NO	NO	YES	NO
Deodar Cedar	YES	YES ^A	YES ^B	NO	NO	NO	YES	NO
Eastern Red Cedar*	YES	YES ^A	YES ^B	NO	NO	NO	YES	YES
Kentucky Coffeetree ⁸	YES	YES	NO	NO	NO	YES	YES	YES
Amur Cork Tree	YES	YES	YES	YES	NO	YES	YES	NO
Cryptomeria	YES	YES	YES ^B	NO	NO	NO	YES	NO
Lace-bark Elm	YES	YES	YES	YES	NO	YES	YES	NO
Smooth Leaf Elm	YES	YES	YES	YES	NO	YES	YES	NO
Eastern Hemlock*	YES	YES ^A	YES ^B	NO	NO	NO	YES	NO
American Holly*	YES	YES	YES ^B	NO	NO	NO	YES	NO
Thornless Honeylocust*	YES	YES	YES	YES	NO	YES	YES	YES
American Hornbeam*	YES	YES	YES	NO	NO	YES	YES	NO
Eastern Hophornbeam*	YES	YES	YES	NO	NO	YES	YES	NO
Little-leaf Linden	YES	YES	YES	YES	NO	YES	YES	NO
Silver Linden	YES	YES	YES	YES	NO	YES	YES	NO
Black Locust*	YES	YES	YES	NO	NO	YES	YES	YES
Southern Magnolia*	YES	YES ^A	NO	YES	NO	NO	YES	NO
Sweetbay Magnolia*	YES	YES	YES ^B	YES	NO	NO	YES	NO
Hedge Maple	YES	YES	YES	YES	NO	YES	YES	NO
Trident Maple	YES	YES	YES	YES	NO	YES	YES	NO
Austrian Pine	YES	YES ^A	YES ^B	NO	NO	NO	YES	NO
Japanese Red Pine	YES	YES	YES	NO	NO	NO	YES	NO
Chinese Pistache	YES	YES	YES	YES	NO	YES	YES	NO
Sassafras*	YES	YES	NO	YES	NO	YES	YES	YES
Sourwood*	YES	YES	NO	YES	NO	YES	YES	LIMITED
Colorado Blue Spruce	YES	YES ^A	YES ^B	NO	NO	NO	YES	NO
White Spruce	YES	YES	YES ^B	NO	NO	NO	YES	NO
Weeping Willow ^C	YES	NO	NO	NO	NO	NO	YES	NO
Yellowwood*	YES	YES	YES	YES	NO	YES	YES	NO
Zelkova	YES	YES	YES	YES	NO	YES	YES	NO

A. Avoid planting where there are breaks in median for turning across travel lanes. Plant where a screen from on-coming car headlights is needed.

B. Use at edges of parking lots for border or buffering purposes. Do not use in islands or medians of parking lots.

C. Avoid near septic systems and similar problem areas.

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No = non natives, slow growth rate or riparian-oriented species;

Limited = better suited for good soil conditions and north-facing slopes

SMALL TREES Mature Height Less than 30'	Table 3: SMALL TREE SPECIES RECOMMENDATIONS							
	Interchanges/ Grade Separations	Medians	Parking Lots or Similar 'Hardscape'	Near Sidewalks	Under Utility Lines	Visibility Concern Areas**	Yards	Hillside Reforestation ***
Blackhaw*	YES	YES	YES ^A	NO	YES	YES ^B	YES	LIMITED
Rusty Blackhaw*	YES	YES	YES ^A	NO	YES	YES ^B	YES	LIMITED
Red Buckeye*	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Carolina Buckthorn*	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Oriental Cherries	YES	YES	YES ^A	NO	YES	YES ^B	YES	YES
Carolina Cherrylaurel*	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Flowering Crabapple ^C	YES	YES	YES ^A	NO	YES	YES ^B	YES	LIMITED
Crepe Myrtle	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Flowering Dogwood*	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Kousa Dogwood*	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Pagoda Dogwood	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Autumn Flametree	YES	YES	YES ^A	YES	YES	YES ^B	YES	YES
American Fringetree*	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Chinese Fringetree	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Golden Raintree	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Cockspur Hawthorn	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Foster Holly	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Amur Maple	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Japanese Maple	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Pawpaw*	YES	YES	YES ^A	NO	YES	YES ^B	YES	LIMITED
Eastern Redbud*	YES	YES	YES ^A	YES	YES	YES ^B	YES	YES
Service Berry*	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Carolina Silverbell*	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
European Smoketree	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
American Smoketree*	YES	YES	YES ^A	YES	YES	YES ^B	YES	YES
Sourwood*	YES	YES	YES ^A	YES	YES	YES ^B	YES	LIMITED
Mountain Stewartia	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Witch-hazel*	YES	YES	YES ^A	YES	YES	YES ^B	YES	NO
Southern Crabapple	YES	YES	YES ^A	NO	YES	YES ^B	YES	YES
Hawthorns ^D	YES	YES	YES ^A	NO	YES	YES ^B	YES	LIMITED

- A. Should not be used for more than 25% of parking lot trees. Do not use in parking lot islands. May be used in parking lot medians
 B. If properly trimmed. Some species will need to be pruned in their early years to allow space for pedestrian traffic; additional trimming may be needed.
 C. Note that Flowering Crabapple and Red Cedar should not be planted near each other because of potential cedar apple rust disease.
 D. Examples include Washington and Wintering Hawthorns

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Table 9: PLANT RECOMMENDATIONS FOR EXPOSED WALLS

Common Name	Botanical Name	Mature Size	Light Requirement	Notes
COLUMNAR EVERGREENS				
Spartan Juniper	Juniperus chinensis 'Spartan'	14-16' H x 6-8' W in 10 yrs	Full sun	
Skyrocket Juniper	Juniperus scopulorum 'Skyrocket'	14-16' H x 6-8' W in 10 yrs	Full sun	
Emerald Sentinel Red Cedar	Juniperus virginiana 'Emerald Sentinel'	14-16' H x 6-8' W in 10 yrs	Full sun	
Lawson's False Cypress	Chamaecyparis lawsoniana	6-10' H	Full sun	Native; slow grower; winter interest
Arborvitae 'Emerald Green'	Botanical: Arborvitae	10-15' H x 4-5' W	Full sun or light shade	
Juniper 'Hetzi Columnar'	Juniper hetzi columnaris	10-15' H x 3-5' W	Full sun	Upright pyramidal habit with rich green foliage
Juniper 'Hollywood' aka 'Torolusa'	Juniperus chinensis 'Torolusa'	10-15' H x 6-7' W	Full sun or part shade	
SCREENING EVERGREENS				
Emily Bruner Holly	Ilex x meserveae 'Emily Bruner'	Around 10' H x 6-8' W	Sun	
Nellie Stevens Holly	Ilex cornuta 'Nellie R. Stevens'	Shrub to 12' H x 15' W	Sun	Heat & drought tolerant; tolerates part shade
Little Gem Southern Magnolia	Magnolia grandiflora 'Little Gem'	Up to 12' H in 15 yrs	Full sun or part shade	
Japanese Cryptomeria	Cryptomeria japonica		Full sun or part shade	Conical
Cherry Laurel	Prunus caroliniana		Full sun or part shade	see English Laurel; withstands heavy pruning
Foster Holly	Ilex x attenuata 'Fosteri'		Full sun or part shade	
Norway Spruce	Picea abies	'Conica' less than 15'	Full sun	
Burford Holly	Ilex cornuta 'Burfordii'	Can get to 12' H	Sun to part shade	
English Yews	Taxus baccata cultivars	40' but most of time much less	Sun or shade	'Aurea' has gold foliage
Japanese Yews	Taxus cuspidate cultivars	15' H	Dry & shady	Faster grower than English Yew; pollution tolerant; good for urban conditions
Hybrid Yews	Taxus x media	to 8' H & W	Sun or shade	
Burkwood Viburnum	Viburnum x burkwoodii	8' - 10' H	Sun to light shade	Semi evergreen
Weeping Canadian Hemlock	Tsuga Canadensis 'Pendula'	10 - 15' H x 8 - 10' W	Full sun; tolerates shade well	Will grow in full sun in well-drained soil

Common Name	Botanical Name	Mature Size	Light Requirement	Notes
DECIDUOUS				
Adirondack Crabapple	Malus 'Adirondack'	10' - 12' H x 6' W	Sun	Good screen
Lipan Crepe Myrtle	L. indica x L. fauriei 'Lipan'	13' - 20' H x 13' - 20' W	Sun	Highly mildew resistant
Sioux Crepe Myrtle	L. indica x L. fauriei 'Sioux'	15' - 20' H x 10' - 15' W	Sun	Long period of striking summer flower color
Yuma Crepe Myrtle	L. indica x L. fauriei 'Yuma'	12' - 18' H x 12' - 15' W	Sun	Slow growth; blooms June - September
Jane Magnolia	Magnolia liliiflora 'Jane'	10' - 20' H x 10' - 20' W	Full sun to part shade	Moderate growth; strong and vigorous; blooms late enough to avoid frost
Blackhaw, Plum Leaf Viburnum	Viburnum prunifolium	12' - 15' H x 8' - 12' W	Sun to part shade	Moderate growth; attracts birds
Smoke Tree	Cotinus coggygria	usually 10' - 15' H	Sun	Bushy shrub; strong orange and bronze color in fall
Variegated Yellow-Twig Dogwood	Cornus sericea	7-10' H x 10-15' W	Full sun	Dark, blood red bark

NOTE: Minimum Tree Size at Planting:

- Flowering/Ornamental = 1.5 inch caliper
- Shade/Canopy = 2 inch caliper
- Evergreen = 6 feet height

Table 10: PLANT RECOMMENDATIONS FOR FOUNDATIONS

Common Name	Botanical Name	Mature Size	Light Requirement	Notes
EVERGREENS				
Chinese Junipers	Juniperus chinensis cultivars	2-3' to 40' H	Full sun	Can tolerate dry soil once established
Camellia	Camellia japonica	20-25' H	Full sun to part shade	
Rosebay Rhododendron	Rhododendron maxima	Usually 4-15' H	Part shade	Can tolerate dense shade
English Laurel	Prunus laurocerasus cultivars	15' - 20' H cultivars can be 3-4' H	Full sun or shade; best in shade in well drained soil	Withstands pruning
Cherry Laurel	See English Laurel			Flowers mid to late spring
Leatherleaf Mahonia	Mahonia bealei	Up to 6' H & 3-4' WW	Shade to part shade	Deep green leaf color
Leatherleaf Viburnum	Viburnum rhytidophyllum	10' - 15' H	Shade	Fast growing; alkaline soil; produces berries
Burkwood Viburnum	Viburnum x burkwoodii	8' - 10' H	Sun to part shade	Semi evergreen; flowers
Arborvitae 'Berkman's Golden'	Arborvitae	5' - 6' H x 3' - 4' W	Full sun or light shade	Golden foliage; good for corners, low screen, or as a specimen
Juniper 'Blue Point'	Juniperus chinensis	8' - 9' H x 4' - 5' W	Full Sun	Blue evergreen foliage, upright pyramidal
Juniper 'Sea Green'	Juniperus chinensis	5-6' H x 4-5' W	Full Sun	Vibrant, rich green foliage; upright mid-size; very hardy and pest resistant
'Mohave' Firethorn	Pyracantha 'Mohave'	6' - 10' H	Sun to part shade	Densely branched, red-orange fruit in fall
SMALL ORNAMENTAL TREES*				
Linden Viburnum	Viburnum dilatatum	10' H	Part shade	Deciduous
Chokeberry	Aronia arbutifolia	6-10' H x 3-5' W	Full sun to part shade	
Oakleaf Hydrangea	Hydrangea quercifolia	Usually 4-6' H	Sun to part shade	
Virginia Sweetspire	Itea virginica 'Henry's Garnet'	3-5' H	Full sun to part shade	Deciduous; summer fragrance, white flowers; leaves fall early winter
Maple-leaved Viburnum	Viburnum acerifolia	4-6' H x 4' W	Shade	
Highbush Blueberry	Vaccinium corymbosum	6-12' H and W	Full sun to part shade	
Blackhaw Viburnum	Viburnum prunifolium	12' - 15' H x 8' - 12' W	Full sun to part shade	White flowers and berries; wildlife value
Fothergilla	Fothergilla sp.	6-10' H	Full sun	Can handle part shade
Beautyberry	Callicarpa americana	3-8' H	Sun or shade	Broken shade optimal
Ninebark	Clethra acuminata	5-10' H x 6-10' W	Full sun to part shade	
Summer-sweet	Clethra alnifolia	4-8' H x 4-6' W	Full sun to part shade	
Witchhazel	Hamamelis virginiana	10-15 H	Full sun or part shade	Avoid extreme dry conditions
Bottlebrush Buckeye	Aesculus parviflora	8-12' H x 8-12' W	Full sun or part shade	
Sweetshrub	Calycanthus floridus	6' - 9' H	Full Sun	

Common Name	Botanical Name	Mature Size	Light Requirement	Notes
Silky Dogwood	Cornus amomum	6-10' H and W	Part shade best	Performs well in full sun
Winterberry Holly	Ilex verticillata	6' - 10' H x 4' - 10' W 'Nana' dwarf variety, 4'	Full sun to part shade	Tolerates wet conditions; produces red berries
Spicebush	Lindera benzoin	6' - 12' H x 6' - 12' W	Full sun to part shade	Deciduous
Fragrant Sumac	Rhus aromatica	2-6' H x 6-10' W	Shade to full sun	
Winged Sumac	Rhus copallina	Up to 20' H x 10' W	Full sun to part shade	
Coralberry	Symphoricarpos orbiculatus	6' x 6'	Full sun	Tough adaptable shrub; bright pink/red fruit; berries last long past leaf fall
Loropetalum	Loropetalum Chinese	4' - 15' H x 4' - 8' W depending on variety	Full sun preferred; will tolerate some shade	Deep purple-red with the fringe-like fuschia-pink flowers in Spring and Fall
Rose 'Knockout'	Rosa	4' - 5' H x 4' - 5' W	Full sun or afternoon shade	
Upright Yew	Podocarpus	5'+ H x 3' - 4' W	Full sun or part shade	Needlelike dark blue-green, upright, columnar growth habit
SHRUBS SUITABLE FOR USE UNDER WINDOWS				
Creeping Junipers	Juniperus horizontalis 'Blue Rug	4-6' H x 6-8' W	Full sun	
Shore Junipers	Juniperus conferta 'Blue Pacific'	Never more than 1' H	Full sun	
Rotunda Holly	Ilex cornuta 'Rotunda'	3-4' H x 6' W	Sun; withstands shade	Tough and durable; heat and drought tolerant
Carrisa Holly	Ilex cornuta 'Carrisa'	4' H x 5' W	Full sun or afternoon shade	Fast growing hardy, evergreen; never needs pruning; tolerates extreme cold or heat; very drought tolerant.
Dwarf Yaupon	Ilex vomitoria 'Nana', 'Schelling's Dwarf', 'Stokes Dwarf'	4' H x 5' W	Full sun preferred	Very hardy and dense mounding evergreen
Otto Luyken Laurel	Prunus laurocerasus 'Otto Luyken'	4' -5' H x 4' - 5' W	Afternoon shade preferred	Spring white flower spikes; deep green foliage
Dwarf Wax Myrtle	Myrica cerifera 'Dwarf'	3-5'	Full sun or half shade	Evergreen; many dwarf varieties
Barberry	Berberis thunbergii	4' - 5' H	Full sun	'Rose Glow': rich purple 'Red Pillar': purple red
'Crimson Pygmy'	Berberis Thunbergii var. atropurpurea 'Crimson Pygmy'	12" - 18" H	Full sun	'Atropurpurea Nana'
Globe Colorado Blue Spruce	Picea pungens 'Glauca Glabosa'	3-4' H x 4-6' W	Full sun	Very adaptable
Dwarf English Boxwood	Buxus sempervirens 'Suffruticosa'	2' - 3' H x 2' - 4' W	Part shade	Slow grower; fine texture

Common Name	Botanical Name	Mature Size	Light Requirement	Notes
Dwarf Japanese Pieris	Pieris japonica 'Compacta'	5' - 6' H x 6' W	Full sun	Set soil; long blooming
Boxwood 'Harlandi Dwarf'	Buxus	2' - 3' H x 2' - 3' W	Full sun or part shade	Can be maintained at 18" H x 18" W
Boxwood 'Wintergreen'	Buxus macrophylla	5' H x 4' - 5' W	Full sun or light shade	
Cryptomeria "Dwarf Global"	Cryptomeria japonica 'Globosa Nana'	5' H x 5' W	Full sun or part shade	
Holly 'Compacta'	Ilex crenata	4' - 5' H x 4' - 5' W	Full sun or part shade	Tolerates extreme cold or heat; very drought tolerant
Holly 'Dwarf Burfordi'	Ilex	5' - 6' H x 5' - 6' W	Full sun or part shade	Glossy dark green; rounded, mounding evergreen; red berries in Winter
Holly 'Soft Touch'	Ilex crenata	2' - 3' H x 3' - 4' W	Full sun or part shade	
Indian Hawthorne 'Eleanor Tabor'	Raphiolepis	3' - 4' H x 5' - 6' W	Full sun or part shade	Compact, evergreen; Spring; sometimes Fall bloom; pink flowers
Indian Hawthorne 'Snow'	Raphiolepis	3' H x 5' - 6' W	Full sun or part shade	Dense, mounding evergreen; drought tolerant
Spirea 'Gold Mound'	Spirea	2' - 3' H x 3' W	Full sun	Low, mounding; bright yellow foliage; summer bloom; light pink flowers; low maintenance; drought tolerant
Spirea 'Little Princess'	Spirea	2' - 3' H x 3' W	Full sun	Low, dense; mounding; blue-green foliage; low maintenance; drought tolerant
Dwarf Abelia 'Little Richard'	Abeila	2' - 3' H x 2' - 3' W	Full sun to part shade	Low mounding; drought tolerant
GRASSES FOR ACCENT OR FOUNDATION				
Japanese Silvergrass	Miscanthus sinensis 'Morning Light'	5' H x 5' W	Bes in full sun	perennial
Japanese Forest Grass	Hakonechloa macra 'Aureola'	12" - 18" H	Shade	
Little Bluestem	Schizachyrium scoparium	2' H	Full sun; tolerates part shade	
Muhly Grass	Muhlenbergia capillaris	3-6' H x 1-3' W	Full sun to part shade	Drought tolerant
GROUND COVERS				
Juniper 'Bar Harbor'	Juniperus wiltoni	4" - 6" H x 4' - 6' W	Full sun	Blue-green to blue- burgundy in winter; fast growing; ground hugging; use on embankments or groundcover
Juniper 'Blue Rug'	Juniperus horizontalis	3" - 4" H x 4' - 5' W	Full sun or part shade	Blue-green foliage
Dwarf Fragrant Sumac	Rhus aromatica 'Gro-Low'			
Mondo Grass	Ohpionogon japonicus	2-12" H	Shade to part sun	

Table 11: Exotic Invasive Pest Plants in Tennessee

Common Name	Botanical Name	Plant Type	Rank
Tree of Heaven	<i>Ailanthus altissima</i> (Mill.) Swingle	Tree	Severe Threat
Mimosa	<i>Albizia julibrissin</i> Durazz.	Tree	Severe Threat
Sessile Joyweed	<i>Alternanthera sessilis</i> (L.) R. Br. ex DC.	Forb/Herb	Severe Threat
Cheat Grass	<i>Bromus tectorum</i> L.	Grass	Severe Threat
Asian Bittersweet	<i>Celastrus orbiculatus</i> Thunb.	Vine	Severe Threat
Chinese Yam	<i>Dioscorea oppositifolia</i> L.	Vine	Severe Threat
Autumn Olive	<i>Elaeagnus umbellata</i> var. <i>parviflora</i> (Wall. ex Royle) C.K.Schneid.	Shrub	Severe Threat
Hydrilla	<i>Hydrilla verticillata</i> (L.f.) Royle	Aquatic	Severe Threat
Goatweed	<i>Hypericum perforatum</i> L.	Shrub	Severe Threat
Cogongrass	<i>Imperata cylindrica</i> (L.) Beauv.	Grass	Severe Threat
Korean Clover	<i>Kummerowia stipulacea</i> (Maxim.) Makino	Forb/Herb	Severe Threat
Bicolor Lespedeza	<i>Lespedeza bicolor</i> Turcz.	Shrub	Severe Threat
Chinese Lespedeza	<i>Lespedeza cuneata</i> (Dum.-Cours) G. Don	Forb/Herb	Severe Threat
Chinese Privet	<i>Ligustrum sinense</i> Lour.	Shrub	Severe Threat
Common Privet	<i>Ligustrum vulgare</i> L.	Shrub	Severe Threat
Japanese Honeysuckle	<i>Lonicera japonica</i> Thunb.	Vine	Severe Threat
Purple Loosestrife	<i>Lythrum salicaria</i> L.	Forb/Herb	Severe Threat
Japanese Stiltgrass	<i>Microstegium vimineum</i> (Trin.) A. Camus	Grass	Severe Threat
Princess Tree	<i>Paulownia tomentosa</i> (Thunb.) Sieb. & Zucc. ex Steud.	Tree	Severe Threat
Japanese Knotweed	<i>Polygonum cuspidatum</i> Seib. & Zucc.	Forb/Herb	Severe Threat
Kudzu	<i>Pueraria montana</i> var. <i>lobata</i> (Willd.) Maesen & S. Almeida	Vine	Severe Threat
Multiflora Rose	<i>Rosa multiflora</i> Thunb. ex Murr.	Shrub	Severe Threat
Itchgrass	<i>Rottboellia cochinchinensis</i> (Lour.) W.D. Clayton	Grass	Severe Threat
Aquarium Water-moss	<i>Salvinia molesta</i> Mitchell	Aquatic	Severe Threat
Tropical Soda Apple	<i>Solanum viarum</i> Dunal	Shrub	Severe Threat
Johnson Grass	<i>Sorghum halepense</i> (L.) Pers.	Grass	Severe Threat
Garlic Mustard	<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	Forb/Herb	Significant Threat
Field Garlic	<i>Allium vineale</i> L.	Forb/Herb	Significant Threat
Alligatorweed	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Forb/Herb	Significant Threat
Hairy Jointgrass	<i>Arthraxon hispidus</i> (Thunb.) Makino	Grass	Significant Threat
Giant Reed	<i>Arundo donax</i> L.	Grass	Significant Threat
Japanese Barberry	<i>Berberis thunbergii</i> DC.	Shrub	Significant Threat
Paper Mulberry	<i>Broussonetia papyrifera</i> (L.) L'Her. ex Vent.	Tree	Significant Threat
Nodding Thistle	<i>Carduus nutans</i> L.	Forb/Herb	Significant Threat
Spotted Knapweed	<i>Centaurea biebersteinii</i> DC.	Forb/Herb	Significant Threat
Bull Thistle	<i>Cirsium vulgare</i> (Savi) Ten.	Forb/Herb	Significant Threat
Thorny Olive	<i>Elaeagnus pungens</i> Thunb.	Shrub	Significant Threat
Weeping Love Grass	<i>Eragrostis curvula</i> (Schrad.) Nees	Grass	Significant Threat
Gill-over-the-ground	<i>Glechoma hederacea</i> L.	Vine	Significant Threat
Yellow Flag Iris	<i>Iris pseudacorus</i> L.	Forb/Herb	Significant Threat
Tall Fescue	<i>Lolium arundinaceum</i> (Schreb.) S.J. Darbyshire	Grass	Significant Threat
Amur Bush Honeysuckle	<i>Lonicera maackii</i> (Rupr.) Herder.	Shrub	Significant Threat
Creeping Jenny	<i>Lysimachia nummularia</i> L.	Forb/Herb	Significant Threat
Osage Orange	<i>Maclura pomifera</i> (Raf.) Schneid.	Tree	Significant Threat
Chinaberry	<i>Melia azedarach</i> L.	Tree	Significant Threat
Peppermint	<i>Mentha x piperita</i> L.	Forb/Herb	Significant Threat
Chinese Silver Grass	<i>Miscanthus sinensis</i> Anderss.	Grass	Significant Threat
Asian spiderwort	<i>Murdannia keisak</i> (Hassk.) Hand.-Maz.	Forb/Herb	Significant Threat
Parrot Feather	<i>Myriophyllum aquaticum</i> (Vell.) Verdc.	Aquatic	Significant Threat
Eurasian Water-milfoil	<i>Myriophyllum spicatum</i> L.	Aquatic	Significant Threat
Bristly Lady's Thumb	<i>Polygonum caespitosum</i> var. <i>longisetum</i> (deBruyn) A.N.Steward	Forb/Herb	Significant Threat
Spotted Lady's Thumb	<i>Polygonum persicaria</i> L.	Forb/Herb	Significant Threat

Common Name	Scientific Name	Plant Type	Rank
White Poplar	<i>Populus alba</i> L.	Tree	Significant Threat
Curly Pondweed	<i>Potamogeton crispus</i> L.	Aquatic	Significant Threat
Watercress	<i>Rorippa nasturtium-aquaticum</i> (L.) Hayek	Aquatic	Significant Threat
Nodding Foxtail-grass	<i>Setaria faberi</i> R.A.W. Herrm.	Grass	Significant Threat
Foxtail-millet	<i>Setaria italica</i> (L.) P. Beauv.	Grass	Significant Threat
Green Foxtail	<i>Setaria viridis</i> (L.) P. Beauv	Grass	Significant Threat
Japanese Spiraea	<i>Spiraea japonica</i> L.f.	Shrub	Significant Threat
Coltsfoot	<i>Tussilago farfara</i> L.	Forb/Herb	Significant Threat
Common Mullein	<i>Verbascum thapsus</i> L.	Forb/Herb	Significant Threat
Greater Periwinkle	<i>Vinca major</i> L.	Vine	Significant Threat
Common Periwinkle	<i>Vinca minor</i> L.	Vine	Significant Threat
Rye Brome	<i>Bromus secalinus</i> L.	Grass	Lesser Threat
Poverty Brome	<i>Bromus sterilis</i> L.	Grass	Lesser Threat
Corn Gromwell	<i>Buglossoides arvensis</i> (L.) I.M. Johnston	Forb/Herb	Lesser Threat
Hound's-ear	<i>Bupleurum rotundifolium</i> L.	Forb/Herb	Lesser Threat
Balloonvine	<i>Cardiospermum halicacabum</i> L.	Vine	Lesser Threat
Bachelor's Button	<i>Centaurea cyanus</i> L.	Forb/Herb	Lesser Threat
Chicory	<i>Cichorium intybus</i> L.	Forb/Herb	Lesser Threat
Sweet Autumn Clematis	<i>Clematis terniflora</i> DC.	Vine	Lesser Threat
Poison Hemlock	<i>Conium maculatum</i> L.	Forb/Herb	Lesser Threat
Fuller's Teasel	<i>Dipsacus fullonum</i> L.	Forb/Herb	Lesser Threat
Brazilian Elodea	<i>Egeria densa</i> Planch.	Aquatic	Lesser Threat
Burning Bush	<i>Euonymus alatus</i> (Thunb.) Sieb.	Shrub	Lesser Threat
Winter Creeper	<i>Euonymus fortunei</i> (Turcz.) Hand.-Mazz.	Vine	Lesser Threat
English Ivy	<i>Hedera helix</i> L.	Vine	Lesser Threat
Rose of Sharon	<i>Hibiscus syriacus</i> L.	Shrub	Lesser Threat
Spearmint	<i>Mentha spicata</i> L.	Forb/Herb	Lesser Threat
Grape Hyacinth	<i>Muscari neglectum</i> Guss. ex Ten.	Forb/Herb	Lesser Threat
Star of Bethlehem	<i>Ornithogalum umbellatum</i> L.	Forb/Herb	Lesser Threat
Wild Parsnip	<i>Pastinaca sativa</i> L.	Forb/Herb	Lesser Threat
St. Anthony's Turnip	<i>Ranunculus bulbosus</i> L.	Forb/Herb	Lesser Threat
Wineberry	<i>Rubus phoenicolasius</i> Maxim.	Shrub	Lesser Threat
Yellow Goat's-beard	<i>Tragopogon dubius</i> Scop.	Forb/Herb	Lesser Threat
Japanese Wisteria	<i>Wisteria floribunda</i> (Willd.) DC.	Vine	Lesser Threat
Japanese Chaff Flower	<i>Achyranthes japonica</i> var. <i>hachijoensis</i>	Forb/Herb	Alert
Russian Knapweed	<i>Acroptilon repens</i> (L.) DC.	Forb/Herb	Alert
Creeping Bentgrass	<i>Agrostis stolonifera</i> L.	Grass	Alert
Japanese Bromegrass	<i>Bromus japonicus</i> Thunb. ex Murr.	Grass	Alert
Butterfly Bush	<i>Buddleja davidii</i> Franch.	Shrub	Alert
Plumeless Thistle	<i>Carduus acanthoides</i> L.	Forb/Herb	Alert
Canada Thistle	<i>Cirsium arvense</i> (L.) Scop.	Forb/Herb	Alert
Crown Vetch	<i>Coronilla varia</i> L.	Vine	Alert
Queen Anne's Lace	<i>Daucus carota</i> L.	Forb/Herb	Alert
Air-potato	<i>Dioscorea bulbifera</i> L.	Vine	Alert
Water Hyacinth	<i>Eichhornia crassipes</i> (Mart.) Solms	Aquatic	Alert
Russian Olive	<i>Elaeagnus angustifolia</i> L.	Tree	Alert
Chinese Parasoltree	<i>Firmiana simplex</i> (L.) W. Wight	Tree	Alert
Firewheel	<i>Gaillardia pulchella</i> Fouq.	Forb/Herb	Alert
Texas Blueweed	<i>Helianthus ciliaris</i> DC.	Forb/Herb	Alert
Dame's Rocket	<i>Hesperis matronalis</i> L.	Forb/Herb	Alert
Japanese Holly	<i>Ilex crenata</i> Thunb.	Shrub	Alert
Goldenrain Tree	<i>Koelreuteria paniculata</i> Laxm.	Tree	Alert
Japanese Clover	<i>Kummerowia striata</i> (Thunb.) Schindl.	Forb/Herb	Alert

Common Name	Scientific Name	Plant Type	Rank
Field Pepperweed	Lepidium campestre (L.) Ait. F.	Forb/Herb	Alert
Ox-eye Daisy	Leucanthemum vulgare Lam.	Forb/Herb	Alert
Japanese Privet	Ligustrum japonicum Thunb.	Shrub	Alert
Border Privet	Ligustrum obtusifolium Sieb. & Zucc.	Shrub	Alert
Bell's Honeysuckle	Lonicera x bella Zabel	Shrub	Alert
January Jasmine	Lonicera fragrantissima Lindl. & Paxton	Shrub	Alert
Morrow's Bush Honeysuckle	Lonicera morrowii Gray	Shrub	Alert
Tartarian Honeysuckle	Lonicera tatarica L.	Shrub	Alert
Birdfoot Trefoil	Lotus corniculatus L.	Forb/Herb	Alert
Uruguay Waterprimrose	Ludwigia uruguayensis (Camb.) Hara	Aquatic	Alert
Japanese Climbing Fern	Lygodium japonicum (Thunb. ex Murr.) Swartz	Forb/Herb	Alert
Leatherleaf Mahonia	Mahonia bealei (Fortune) Carr.	Shrub	Alert
White Sweet Clover	Melilotus alba Medikus	Forb/Herb	Alert
Yellow Sweet Clover	Melilotus officinalis (L.) Lam	Forb/Herb	Alert
True Forget-me-not	Myosotis scorpioides L.	Forb/Herb	Alert
Water Nymph	Najas minor All.	Aquatic	Alert
Sacred Bamboo	Nandina domestica Thunb.	Shrub	Alert
Annual Canary Grass	Phalaris canariensis L.	Grass	Alert
Common Reed	Phragmites australis (Cav.) Trin. ex Steud.	Grass	Alert
Mile-a-minute Weed	Polygonum perfoliatum L.	Forb/Herb	Alert
Bradford Pear	Pyrus calleryana Dcne.	Tree	Alert
Himalayan Berry	Rubus bifrons Vest ex Tratt	Shrub	Alert
Prickly Russian Thistle	Salsola tragus L.	Forb/Herb	Alert
Sicklepod Senna	Senna obtusifolia (L.) H.S. Irwin & Barneby	Forb/Herb	Alert
Yellow Foxtail	Setaria pumila (Poir.) Roem. & Schult.	Grass	Alert
Perennial Sowthistle	Sonchus arvensis L.	Forb/Herb	Alert
Water Chestnut	Trapa natans L.	Aquatic	Alert
Chinese Tallowtree	Triadica sebifera (L.) Small	Tree	Alert
Puncturevine	Tribulus terrestris L.	Forb/Herb	Alert
Chinese Wisteria	Wisteria sinensis (Sims) DC.	Vine	Alert

Source: Tennessee Exotic Pest Plant Council, *Invasive Exotic Pest Plants in Tennessee, December 2009 (2nd Edition)*

Rank Definitions:

- Alert = possess invasive characteristics; known to be invasive in similar habitats as those found in Tennessee
- Severe Threat = possess invasive characteristics; spread easily in native plant communities and displace native vegetation
- Significant Threat = possess invasive characteristics; not presently considered to spread as easily into native plant communities as Severe Threat
- Lesser Threat = spread in or near disturbed areas; not presently considered a threat to native plant communities

The purpose of this list is to identify introduced plant species that are invasive or may become invasive and cause damage to native plant communities. Introduced species are plants not native to a region of the state and are referred to as exotics. The intent of this list is to:

- rank exotics based on their invasive characteristics;
- foster early detection of invasive exotics enabling resource managers to implement a rapid response action to prevent establishment and spread;
- educate the general public and resource managers in an effort to eliminate the use of invasive exotics in landscaping, restoration, and enhancement projects.

This list has no regulatory authority but provides useful information to help guide agencies and private landowners in making responsible decisions about plant use and management decisions. The Council acknowledges that most introduced species are harmless. However, it also realizes that many species do naturalize and have the potential to spread and become ecological disasters.