

Appendix D
Tree and Shrub Uses and Site Requirements, Eastern United States

Species	Watershed/ soil protection	Buffer planting	Wildlife value	Windbreak	Afforestation	Moisture needs	Light needs
Conifers							
Cedar, eastern red	X		X	X	X	Low	High
Hemlock, eastern	X		X	X		Medium	Low
Pine, eastern white	X	X	X	X	X	Low	High
Pine, loblolly	X	X	X	X	X	Medium	High
Pine, pitch	X	X		X		Medium	High
Pine, red	X		X	X	X	Low	High
Pine, Virginia	X				X	Low	High
Spruce, Norway	X	X	X	X	X	Medium to high	Medium
Spruce, white	X	X	X	X	X	Low	High
Hardwoods							
Ash, green	X	X	X		X	High	Medium
Ash, white	X	X	X		X	High	High
Beech, American	X		X			Low to high	Low
Birch, sweet	X		X			Medium	Medium
Birch, yellow	X		X			Medium	Low to medium
Cherry, black	X	X	X		X	Medium to high	Medium
Chokecherry, common	X	X	X		X	Medium	High
Crabapple, sweet	X		X		X	Medium	High
Cottonwood/ poplar, hybrid	X	X	X	X	X	Medium	High
Cypress, bald		X	X		X	Low to high	High
Dogwood, flowering	X	X	X		X	Medium	Low
Dogwood, red osier	X	X	X		X	High	Medium
Hickory, butternut	X		X			Medium	Medium
Hickory, shagbark	X		X			Medium	Medium
Hickory, pignut	X		X			Medium	Medium
Locust, black	X		X		X	Low to medium	High
Maple, red	X	X	X		X	Medium to high	High
Maple, silver	X	X	X			High	High
Maple, sugar	X		X		X	Medium	High
Oak, black	X	X	X		X	Medium to low	Medium

Species	Watershed/ soil protection	Buffer planting	Wildlife value	Windbreak	Afforestation	Moisture needs	Light needs
Oak, chestnut	X	X	X		X	Low	High
Oak, northern red	X	X	X		X	Medium	High
Oak, pin	X	X	X		X	Medium to high	High
Oak, swamp chestnut	X	X	X		X	High	High
Oak, white	X		X		X	Medium	Medium
Oak, willow	X	X	X		X	Medium to high	Medium to high
Pawpaw	X		X			High	Low
Persimmon, common	X	X	X			Medium	Medium
Plum, American	X	X	X		X	Medium to low	High
Redbud, eastern	X		X		X	Medium	Low
Sassafras	X	X	X		X	Medium	High
Serviceberry, downy	X	X	X			Medium	Low
Sweetgum	X	X	X			Medium	Medium
Sycamore, American	X	X	X		X	Medium to high	Medium
Walnut, black	X	X	X		X	Medium	Medium
Shrubs							
Arrowwood, southern	X	X	X	X		Medium	Medium to low
Blackhaw	X		X			Medium	Low
Buttonbush	X	X				High	Medium
Chokeberry, black	X	X	X			Medium	Medium
Dogwood, gray	X	X	X			Medium	Medium
Dogwood, silky	X	X	X			High	Medium to high
Hazelnut	X	X	X			Medium	Medium
Indigobush		X	X			High	High
Lespedeza, bicolor			X			Medium	Medium
Nannyberry	X	X	X		X	Medium to high	Medium to high
Sumac, fragrant	X	X	X		X	Medium	High
Sumac, smooth	X	X	X		X	Medium	High
Winterberry, common	X	X	X			Medium to to high	Low
Witch hazel		X	X			Medium	Medium to high

Source: Modified from Maryland Department of Natural Resources Nursery Catalog. Source: Modified from Maryland Department of Natural Resources Nursery Catalog. www.dnr.state.md.us/forests/nursery/treeinfo.asp