

Right Tree/Right Place Tree List



Compiled by Charlottesville Area Tree Stewards from many sources.

physical characteristics

growing conditions

habitat indicators

suitable landscape locations

Common name	Botanic name	Evergreen	Height	Spread	Crown Form	Hardiness zone	Heat zone	Light conditions	Soil conditions	Drought tolerant	Air pollution tolerant	Salt tolerant	Fruit/nut producing	# of caterpillar species	Streets	Paved plazas	Parking islands	Parks, Lawns	Buffers, screening	Bioretention
Alder, Hazel	<i>Alnus serrulata</i>		12-20	8-15	oval or round	4-9		☀️☀️☀️	moist, well drained, acidic									✓		
Aronia red	<i>Aronia arbutifolia</i>		4-8	3-4	creeping-trailing	4-9		☀️☀️☀️	moist, well drained											
Azalea	(genus and species)		2-10	2-8	mound	5-8		☀️☀️☀️	moist, well drained, acidic											
Bayberry Northern	<i>Morella pensylvanica</i>		6-8	6-8	irregular, mound	3-7		☀️☀️☀️	moist, rich, well drained , acidic			✓								
Beech, American	<i>Fagus grandifolia</i>		50-70	50-70	oval	4-9	9-1	☀️☀️☀️	well drained, acidic				nut	127				✓		
Blueberry	<i>Vaccinium corymbosum</i>		5-12	5-12	round	3-7		☀️☀️☀️	moist,well drained, acidic				berry							
Buttonbush	<i>Cephalanthus occidentalis</i>		4-10	4-10	round	5-9		☀️☀️☀️	moist , well drained											
Buckeye, Red	<i>Aesculus pavia</i>		10-30	10-20	round	4-8		☀️☀️☀️	moist, loamy soil											
Catalpa, Northern	<i>Catalpa speciosa</i>		40-60	20-40	irregular	4-8	8-1	☀️☀️☀️	deep, moist, well drained	✓				8	✓			✓		
Cherry, Yoshino	<i>Prunus x yeodensis</i>		30-35	25-35	oval	5b-8a	8-3	☀️☀️☀️	well drained, acidic	✓	✓	n/a		0				✓		
Chestnut, Chinese	<i>Castanea mollissima</i>		40-60	40-60	round	4-8		☀️☀️☀️	deep, well drained, acidic				nut							
Chestnut, American	<i>Castanea dentata</i>		50-75	50-75	round	4-8		☀️☀️☀️	deep well drained, acidic				nut							
Chinquapin	<i>Castanea pumila</i>		12-20	12-20	bushy	5-9		☀️☀️☀️	moist , well drained				nut							
Chokecherry black	<i>Aronia melanocarpa</i>		10-12	10-14	bushy	4-9		☀️☀️☀️	moist, well drained, acidic											
Bald Cypress	<i>Taxodium distichum</i>		50-80	20-30	pyramidal	5-10		☀️☀️☀️	rich moist, acidic											
Black Gum	<i>Nyssa sylvatica</i>		30-50	20-30	pyramidal	4-9	9-7	☀️☀️☀️	moist well drained acidic	✓		✓		26	✓			✓		✓
Crepemyrtle	<i>Lagerstroemia spp.</i>		15-20	15-20	vase - variable	6-9	11-6	☀️☀️☀️	well drained	✓	✓			3		✓	✓	✓	✓	✓
Deodar cedar	<i>Cedrus deodara</i>	x	40-70	150	pyramidal	7-9	9-7	☀️☀️☀️	well drained to dry	✓	n/a	n/a		0				✓	✓	
Dogwood																				
Kousa	<i>Cornus kousa</i>		20-30	20-30	round	5-8	8-5	☀️☀️☀️	well drained acidic	✓	n/a	✓	berry	0	✓	✓		✓	✓	
Pagoda	<i>Cornus alternifolia</i>		15-20	20-25	spreading	4-7		☀️☀️☀️	moist, well drained, acidic											
Red Stem	<i>Cornus sericea</i>		7-9	8-10	spreading	3-7		☀️☀️☀️	moist, well drained, acidic	✓										
Silky	<i>Cornus amomum</i>		6-12	6-10	spreading			☀️☀️☀️	moist well drained acidic											
White	<i>Cornus florida</i>		20-30	20-30	round	5-9	9-3	☀️☀️☀️	wet acidic well drained			✓	berry	118				✓	✓	
Eastern Red Cedar	<i>Juniperus virginiana</i>	x	40-50	10-20	columnar -pyramidal	3-9	9-1	☀️☀️☀️	adaptable	✓	✓	✓	berry	42			✓	✓	✓	✓
Elderberry	<i>Sambucus nigra</i>		15-30	15	round	6-9		☀️☀️☀️	moist well drained				berry							
Fringe Tree	<i>Chionanthus virginicus</i>		15-25	20-25	round - spreading	4-9	9-1	☀️☀️☀️	deep moist acidic		✓	✓		8		✓		✓		
Ginkgo	<i>Ginkgo biloba</i>		50-80	30-40	pyramidal	4-8	9-3	☀️☀️☀️	adaptable	✓	✓	✓	fruit	5				✓		
Hackberry	<i>Celtis occidentalis</i>		40-60	40-60	round	3-9	9-1	☀️☀️☀️	rich moist , adaptable to ph	✓	✓	✓	berry	43	✓	✓	✓	✓		✓
Hawthorne	<i>Crataegus mollis</i>		25-30	20	round, pyramidal	4-8		☀️☀️☀️	acidic, variable											
Hazelnut	<i>Corylus americana</i>		15-18	10-12	round	4-9		☀️☀️☀️	acidic, variable	✓			nut							

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Hickory																				
Bitternut	<i>Carya cordiformis</i>		60-100	60-100	round	3-7		☀️	adaptable				nut							
Mockernut	<i>Carya tomentosa</i>		60-100	30-50	oval	4-8		☀️☀️	adaptable				nut							
Pignut	<i>Carya glabra</i>		60-100	30-50	oval	4-8		☀️☀️☀️	adaptable				nut							
Shagbark	<i>Carya ovata</i>		60-80	35-50	oval	4-8	8-1	☀️☀️☀️	adaptable	✓	✓	✓	nut	235				✓		✓
Holly																				
American	<i>Ilex opaca</i>	x	40-50	20-40	pyramidal	5-9	9-1	☀️	average medium well drained	✓	✓	✓	berry	39				✓	✓	
Possumhaw	<i>Ilex decidua</i>		7-20	5-15	spreading	5-9		☀️☀️	moist, well drained, acidic				berry							
Honey Locust	<i>Gleditsia triacanthos</i>		30-70	30-70	spreading	4-9	9-1	☀️	adaptable	✓	✓	✓		46	✓	✓		✓		✓
Hornbeam, American	<i>Carpinus caroliniana</i>		20-30	20-30	round	3b-9	9-1	☀️☀️	moist, well drained, acidic		n/a	n/a		68	✓			✓		
Kentucky Coffee Tree	<i>Gymnocladus dioicus</i>		50-70	30-50	spreading	3b-8	9-2	☀️	adaptable	✓	✓	✓		5	✓			✓		
Hophornbeam, American	<i>Ostrya virginiana</i>		25-40	15-25	pyramidal	3b-9	9-5	☀️☀️	moist, well drained, acidic	✓				94	✓		✓	✓		
Magnolia																				
Magnolia, Southern	<i>Magnolia grandiflora</i>	x	60-90	30-50	pyramidal	7-9		☀️☀️	moist, well drained, acidic											
Magnolia, Sweetbay	<i>Magnolia virginiana</i>		12-60	12-30	pyramidal	5-9		☀️☀️	moist to wet, acidic											
Maple																				
Japanese	<i>Acer palmatum</i>		25	30	round - weeping	6-8		☀️☀️	well drained acidic											
Red	<i>Acer rubrum</i>		40-60	40-60	round	3b-9	9-1	☀️	moist well drained	n/a	n/a	n/a		297	✓			✓	✓	✓
Sugar	<i>Acer saccharum</i>		70	40	round to oval	3-8		☀️☀️	moist, well drained, acidic											
Oak																				
Bear	<i>Quercus ilicifolia</i>		12-20	12-20	round	5-9		☀️	well drained acidic				nut							
Black	<i>Quercus velutina</i>		50-60	40	pyramidal - round	3-9		☀️	moist well drained	✓		✓	nut							
Bur	<i>Quercus macrocarpa</i>		70-80	70-80	round	3-8	9-1	☀️	adaptable	✓	n/a	✓	nut	532	✓			✓		✓
Chestnut	<i>Quercus montana</i>		60-70	60-70	pyramidal - round	6-9		☀️	moist to dry well drained acidic				nut							
Northern Red	<i>Quercus rubra</i>		60-75	60-75	round	3b-7	9-5	☀️	well drained sandy loam, slightly acidic	✓	✓	✓	nut	532	✓			✓		
Overcup	<i>Quercus Lyrata</i>		45-50	40-50	round	5-9	8-4	☀️	moist to wet loams		n/a	✓	nut	532				✓		✓
Southern Red	<i>Quercus falcata</i>		70-80	70-100	round - spreading	7-9	9-5	☀️	adaptable		✓	✓	nut	532	✓			✓		✓
Pin	<i>Quercus palustris</i>		65-70	25-40	pyramidal	4-8	7-3	☀️	moist, rich, well drained , acidic	✓	✓		nut	532	✓	✓		✓		✓
Swamp White	<i>Quercus bicolor</i>		50-60	50-60	round	4-8	8-1	☀️	acidic	✓			nut	532	✓			✓		✓
White	<i>Quercus alba</i>		50-80	50-80	round spreading	3b-9	8-1	☀️	moist, well drained, acidic	✓	n/a	✓	nut	532	✓			✓		✓
Willow	<i>Quercus phellos</i>		40-60	30-40	pyramidal - oval	5-9	9-3	☀️	adaptable		✓	✓	nut	532	✓	✓		✓		✓
Pawpaw	<i>Asimina triloba</i>		15-20	30-40	pyramidal, multistem	5-8	8-6	☀️	moist, well drained, acidic	✓		✓	fruit					✓		✓

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Pecan	<i>Carya illinoensis</i>		75-100	45-70	vase	5-9		☀️	moist, well drained, acidic				nut							
Persimmon	<i>Diospyros virginiana</i>		35-60	25-35	columnar	7-10	9-1	☀️☀️	adap well drained	✓	n/a	n/a	fruit	46				✓		✓
Pine, Eastern White	<i>Pinus strobus</i>	x	50-80	20-40	pyramidal	3-7	7-1	☀️	moist well drained					201				✓	✓	
Plum																				
American	<i>Prunus americana</i>		20-35	20-35	round	3-8		☀️☀️	moist well drained				fruit							
Chickasaw	<i>Prunus angustifolia</i>		14-25	15-20	oval	6-9		☀️☀️	adaptable	✓			fruit							
Redbud	<i>Cercis canadensis</i>		25-30	25-35	round	4-9	9-6	☀️☀️	moist well drained	✓	✓			19	✓			✓		
River Birch	<i>Betula nigra</i>		40-70	40-60	oval	3b-9	9-1	☀️	moist, well drained, acidic	✓	✓	✓		12				✓		✓
Sassafras	<i>Sassafras albidum</i>		20-65	15-45	pyramidal - spreading	5-9		☀️☀️	moist, well drained, acidic											
Serviceberry	<i>Amelanchier arborea</i>		15-25	15-25	vase	4-9	9-1	☀️☀️	moist, well drained, acidic			n/a	berry	124				✓		✓
Sourwood	<i>Oxydendrum arboreum</i>		20-30	10-20	pyramidal	5-9		☀️☀️	moist, well drained, acidic											
Spicebush	<i>Lindera benzoin</i>		6-12	6-12	round	5-9		☀️☀️	moist well drained											
Sumac	<i>Rhus spp.</i>		2-25	5-25	spreading	3-9		☀️☀️	moist, well drained, acidic											
Sweetgum	<i>Liquidambar styraciflua</i>		60-75	60-75	oval-round	5-9	10-1	☀️	deep moist slightly acidic	✓		n/a		35	✓			✓		✓
Sycamore	<i>Platanus occidentalis</i>		75-100	75-100	round - spreading	4-9	9-5	☀️	deep moist well drained	✓	✓			45				✓		✓
Tulip Tree	<i>Liriodendron tulipifera</i>		60-90	25-30	columnar	4-9	9-2	☀️	deep moist well drained		n/a	n/a		21				✓		✓
Viburnum																				
Arrowwood	<i>Viburnum dentatum</i>		6-10	6-20	spreading - creeping	3-8		☀️☀️	adaptable											
Blackhaw	<i>Viburnum prunifolium</i>		10-15	10-15	vase - multistemmed	3-9	n/a	☀️☀️	adaptable	✓			berry	104		✓		✓	✓	
Possumhaw	<i>Viburnum nudum</i>		10-15	5-6	round	5-9		☀️☀️	adaptable											
Walnut, black	<i>Juglans nigra</i>		50-75	50-75	round - oval	4-9		☀️	deep moist well drained				nut							
Witch Hazel	<i>Hamamelis virginiana</i>		20-30	20-25	irregular	3b-8	8-1	☀️☀️	moist well drained			n/a		53				✓	✓	✓
Yellowwood	<i>Cladrastris kentukea</i>		30-50	40-55	round- spreading	4-8	9-1	☀️	adaptable , well drained	✓	n/a	✓		0	✓			✓		
Zelkova	<i>Zelkova japonica</i>		50-80	50-80	vase	5-8	9-5	☀️	moist deep pH adaptable		✓	✓		0	✓			✓		