

Maricopa County Urban Tree Selection Criteria

Trees Commonly Available in Arizona December 2017	Common Name	Tree Physical Characteristics				Tree Environmental Characteristics					
		Canopy Size/Shade production (width) (Reference 1,3)	Annual Growth Rate (Reference 1)	Powerline Friendly (height) [SRP/APS recommendation] (Reference 5,6)	Root Damage Potential (Reference 1) LOW- MOD- HIGH	Sonoran Desert Native YES- NO	Invasive (Reference 8) NO- YES	BVOC Emissions/Ozone contribution LOW- MOD- HIGH	Allergenic LOW- MOD- HIGH	Water Use LOW- MOD- HIGH	Edible Fruit Producing Trees (Reference 19)
Acacia aneura	Mulga	12-15'	24"	15-20	low(4)	No	No	mod(9)	mod(25)	low(4)	No
Acacia craspedocarpa	Hop mulga	12-15'	12"	12-15'	low	No	No	mod(9)	mod(25)	low(22)	No
Acacia pendula	Weeping myall	15-20	24"	20-30	mod	No	Yes	mod(9)	mod(25)	low(29)	No
Acacia salicina	Willow acacia	25-40'	36"	20-40'	low	No	No	mod(9)	mod(25)	low(4)	No
Acacia saligna	Blue-Leaf wattle	15-20'	36"+	20-30'	low	No	No	mod(9)	mod(25)	low(22)	No
Acacia shaffneri	Twisted acacia	25-30'	12-24"	20-25'	low	No	No	mod(9)	mod(25)	low(23)	No
Acacia stenophylla	Dalby myall, river myall	10-20'	36"	20-30'	low	No	No	mod(9)	mod(25)	low(22)	No
Albizia julibrissin	Silk tree	20'	36"	20-35'	mod	No	No	high(9)	low(21)	mod(27)	No
Bauhinia lunarioides	Anacacho orchid tree	8'	12"	6-10'	low	No	No	high(9)	low(21)	low(7)	No
Bauhinia macranthera	Chihuahuan orchid tree	15'	12"	15'	low	No	No	high(9)	low(21)	low(7)	No
Bauhinia variegata *	Purple orchid tree	20-35'	12-24"	20-35'	low	No	No	high(9)	low(21)	mod(30)	No
Bauhinia x blakeana	Hong Kong orchid tree	20-25'	12-24"	20-40'	low	No	No	high(9)	low(21)	mod(30)	No
Brachychiton populneus	Australian bottle tree	30'	24"	30-50'	mod	No	No	low(9)	low(21)	low(28)	No
Caesalpinia cacalaco	Cascalote	10-20'	12-24"	10-20'	low	No	No	mod(9)	mod(20)	low(7)	No
Callistemon viminalis *	Red bottlebrush	15-20'	36"	15-20'	low	No	No	high(9)	mod(1)	low(28)	No
Callitropsis arizonica	Rough-barked Arizona Cypress	20'	12-36"	40-50'	low	Yes(16)	No	low(9)	high(20)	mod(22)	No
Celtis reticulata	Netleaf/Western hackberry/Canyon Hackberry	25-30'	24"	25-35'	low	Yes(16)	No	low(9)	mod(26)	low(23)	Yes
Cercis mexicana	Mexican redbud	15-25'	12-24"	15-25'	low	No	No	low(9)	low(20)	low(4)	Yes
Chamaerops humilis	Mediterranean fan palm	10-20'	12"	10-20'	low	No	No	high(12)	low(1)	mod(7)	No
Chilopsis linearis	Desert willow	10-20'	24-36"	15-30'	low	Yes(16)	No	mod(9)	low(21)	low(4)	No
Chitalpa tashkentensis	Chitalp	30'	36"	25-35'	low	No	No	mod(9)	low(1)	low(17)	No

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Citrus x limon	Lemon	5-10'	24"	5-25'	low	No	Yes	mod(9)	low(20)	high(30)	Yes
Citrus x sinensis	Oranges	15-25'	24"	20-30'	low	No	Yes	mod(9)	low(20)	high(30)	Yes
Corymbia papuana	Ghost gum	20-35'	36"	35-50'	mod	No	No	high(9)	low(20)	low(22)	No
Cupressus sempervirens	Italian cypress	10-20'	36"	60-70'	mod	No	No	low(9)	high(20)	mod(22)	No
Dalbergia sissoo	Indian rosewood	30-40'	24"+	45-65'	high	No	No	high(13)	low(27)	mod(4)	No
Ebenopsis ebano	Texas ebony	30-40'	12-36"	30-40'	high	No	No		low(20)	low(4)	No
Eucalyptus microtheca	Coolibah	25'	36"	35-50'	mod	No	No	high(9)	low(21)	mod(4)	No
Eucalyptus torquata	Coral gum	15-30'	24"	20-35'	low	No	No	high(9)	low(21)	low(4)	No
Ficus benjamina	Weeping fig	35-40'	24"	25-35'	mod	No	No	high(9)		mod(30)	No
Fraxinus angustifolia	Raywood ash	20-30'	24"	40-50'	mod	No	No	high(9)	high(20)	mod(23)	No
Fraxinus uhdei	Evergreen ash	60'	36"+	80'	high	No	No	low(9)	high(20)	mod(23)	No
Fraxinus v. Bonita	Montebello ash	25-30'	30"	25-30'	mod	No	No	low(9)	high(20)	mod(23)	No
Fraxinus v. fantex	Rio Grande' ash	25-35'	30"	35-45'	mod	No	No	low(9)	high(20)	mod(23)	No
Fraxinus v. Fanwest	Ash, Fan-West Ash	30-40'	36"	30-50'	mod	No	No	low(9)	high(20)	mod(23)	No
Fraxinus v. modesto	Modesto Ash trees	30-40'	36"	30-50'	high	No	No	low(9)	high(20)	mod(23)	No
Fraxinus velutina	Arizona ash or Velvet ash	30'-40'	36"	30-50'	mod	Yes(16)	No	low(9)	high(20)	mod(23)	No
Geijera parviflora	Wilga or Native willow	20'	24-36"	30'	low	No	No	mod(9)	low(1)	mod(22)	No
Havardia pallens	Tenaza	10-18'	28"	10-30'	low	No	No		low(20)	low(23)	No
Jacaranda mimosifolia	Jacaranda, black poui	20-30'	24"	40-50'	low	No	No	low(9)	low(27)	mod(30)	No
Lysiloma watsonii	Feather bush/desert fern	12-15'	24"	12-15'	low	Yes(22)	No	mod(9)	low(1)	low(4)	No
Malus domestica	Golden delicious apple	20-25'	24-36"	20-30'	low	No	No	low(9)	low(20)	mod(31)	Yes
Mariosousa willardiana	Palo blanco	15-20'	12-24"	10-20'	low	Yes(18)	No	mod(9)	mod(25)	low(22)	No

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Nerium oleander	Oleander	10-15'	24-36"	10-20'	low	No	No	mod(10)	low(1)	low(23)	No
Olea europaea	Fruitless olive	25-30'	12-24"	25-30'	mod	Yes(7)	No	low(9)	low(21)	low(7)	No
Olneya tesota	Desert Ironwood	15-30'	12"	15-30'	low	Yes(16)	No	high(10)	low(21)	low(4)	Yes
Parkinsonia florida	Blue palo verde	15-20'	36"	25'	low	Yes (16)	No	mod(9)	high(28)	low(4)	Yes
Parkinsonia hybrids *	Desert museum palo verde	25'	30"	25'	low	Yes(18)	No	mod(9)	high(28)	low(7)	Yes
Parkinsonia Microphylla	Yellow palo verde or Little-leaf palo verde/Foothills Palo Verde	20'	36"	20'	low	Yes(16)	No	mod(9)	high(28)	low(7)	Yes
Parkinsonia praecox	Sonoran palo verde/Palo Brea	20'	36"	20'	low	Yes(7)	No	mod(9)	high(28)	low(4)	Yes
Phoenix roebelenii	Pygmy date palm	6-10'	12-24"	6-15'	low	No	No		low(20)	mod(32)	Yes
Pinus brutia v. eldarica	Afghan pine, Mondell pine	15-25'	36"	30-80'	mod	No	No	mod(9)	low(22)	low(7)	No
Pinus canariensis	Canary Island pine	20-35'	36"	50-80'	mod	No	No	mod(9)	low(22)	mod(28)	No
Pinus halepensis	Aleppo pine	20-40'	24-36"	30-60'	mod	No	No	mod(9)	low(22)	mod(4)	No
Pistacia chinensis	Chinese pistache	25-35'	24"	25-35'	low	No	No	mod(9)	low(21)	mod(4)	No
Pistacia lentiscus	Mastic tree	8'	12"	12'	low	No	No	low(14)	low(7)	low(7)	No
Pistacia x Red Push	Red push pistacia	20-40'	12"	25-40'	low	No	No	mod(9)	low(7)	mod(23)	No
Platanus mexicana	Mexican sycamore	30'	36"	50'	mod	No	No	high(9)	mod(20)	mod(23)	No
Platanus wrightii	Arizona sycamore	55'	36"	80'	mod	Yes(16)	No	high(9)	mod(20)	mod(23)	No
Poincianella mexicana	Mexican bird of paradise tree	12-18'	24"	15-25'	low	No	No	mod(9)		mod(7)	No
Populus fremontii	Arizona poplar	30-50'	36"	40-80'	high	Yes(16)	No	high(9)	mod(20)	mod(23)	No

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Prosopis glandulosa	Texas honey mesquite	25-35'	12-36"	25-35'	low	No	No	mod(9)	mod(20)	low(4)	Yes
Prosopis hybrid "Phoenix®"	South American hybrid mesquite	30'	30"	30'	low	No	No	mod(9)	mod(20)	low(4)	No
Prosopis velutina	Velvet mesquite	30'	24"	30'	low	Yes(16)	Yes	mod(9)	mod(20)	low(4)	Yes
Prunus cerasifera	Cherry plum	15-20'	24-36"	15-25'	low	No	Yes	low(15)	low(20)	mod(33)	Yes
Prunus persica	Desert Gold peach	25'	36"	25'	low	No	No	low(9)	low(1)	mod(33)	Yes
Prunus salicina	Santa rosa plum	15-20'	36"	20-30'	low	No	No	mod(9)	low(1)	mod(33)	Yes
Punica granatum	Pomegranate	15'	24"	20'	low	No	Yes		low(1)	mod(7)	Yes
Pyrus calleryana	Callery pear	50'	24"	50'	mod	No	Yes	low(9)	low(20)	mod(33)	Yes
Pyrus calleryana Decne	Chinese evergreen pear	15-30'	24-36"	15-30'	low	No	No	low(9)	low(20)	mod(33)	Yes
Quercus buckleyi	Texas red oak	30-50'	24"	30-50'	low	No	No	high(9)	high(20)	mod(4)	Yes
Quercus muehlenbergii	Chinquapin oak	50-60'	24"	40-50'	low	No	No	high(9)	high(20)	mod(22)	Yes
Quercus polymorpha	Netleaf white oak	40-80'	24"	30-80"	mod	No	No	high(9)	high(20)	mod(22)	Yes
Quercus virginiana	Virginia live oak	60-100'	24-36"	40-80'	mod	No	No	high(9)	high(20)	mod(4)	Yes
Salix babylonica	Weeping willow	30-50'	36"	30-50'	high	No	Yes	high(9)	high(20)	mod(23)	No
Salix matsudana	Globe willow	30-40'	36"	40-50'	high	No	No	high(9)	high(20)	mod(23)	No
Schinus molle	Peruvian pepper tree	25-40'	36"	25-50'	high	No	Yes	mod(9)	high(20)	mod(22)	Yes
Schinus terebinthifolius	Brazilian pepper tree	15-30'	24"	15-30'	mod	No	Yes	mod(9)			Yes
Sophora secundiflora	Texas mountain laurel	10-15'	12"	15-25'	low	No	No	high(10)	low(7)	low(4)	No
Thevetia peruviana	Yellow oleander	10-15'	36"	20-30'	low	No	No		high(20)	mod(30)	No
Tipuana tipu	Tipu tree	25-50'	24-36"	25-50'	mod	No	No	mod(15)		mod(30)	No

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Ulmus parvifolia	Chinese elm	50-70'	36"	40-60'	mod	No	Yes	low(9)	mod(20)	mod(4)	Yes
Vachellia farnesiana	Desert sweet acacia	15-25'	24-36"	15-25'	low	Yes(22)	No	mod(9)	low(22)	low(22)	No
Vachellia rigidula	Black brush acacia	10-15'	12"	10-15'	low	No	No	mod(9)	high(20)	low(7)	No
Vauquelinia californica	Arizona rosewood	4-15'	24"	5-25'	low	Yes(24)	No		low(21)	low(23)	No
Vitex agnus-castus	Monk's pepper or chaste tree	15-20'	24"	10-15'	low	No	No	low(11)	low(7)	mod(4)	Yes
Vachellia constricta	Whitethorn acacia	10-20'	24"	10-20'	low	Yes(24)	No	mod(9)	low(20)	low(7)	No
Xylosma congesta	Dense longwood	8-12'	24"	8-12'	low	No	No		low(1)	mod(7)	No