

One x One Degree
Climate Change Atlas Tree Species

Current and Potential Future Habitat, Capability, and Migration

Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCI45	ChngCI85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
ashe juniper	Juniperus ashei	NDH	High	56.2	1088.7	33.3	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	1
sugarberry	Celtis laevigata	NDH	Medium	50.1	203.8	7.7	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	2
live oak	Quercus virginiana	NDH	High	39.4	200.9	9.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	3
post oak	Quercus stellata	WDH	High	46.4	184.8	13.6	No change	No change	High	Common	Good	Good			1	4
cedar elm	Ulmus crassifolia	NDH	Medium	61	174.7	9.6	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	5
black willow	Salix nigra	NSH	Low	9.6	56.4	13.1	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor	Infill +	Infill +	0	6
pecan	Carya illinoensis	NSH	Low	22.2	48.8	4.7	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	1	7
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	23.4	38.8	2.7	Sm. inc.	Sm. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	8
hackberry	Celtis occidentalis	WDH	Medium	19.7	37.0	12.4	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	1	9
Osage-orange	Maclura pomifera	NDH	Medium	22.7	35.9	6.6	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	1	10
blackjack oak	Quercus marilandica	NSL	Medium	23.6	29.3	5.5	Sm. inc.	Sm. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	11
winged elm	Ulmus alata	WDL	Medium	12.4	28.3	5.9	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	12
honeylocust	Gleditsia triacanthos	NSH	Low	15.3	23.3	3.1	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	2	13
Texas ash	Fraxinus texensis	NDH	FIA	20.3	18.2	4.0	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	14
green ash	Fraxinus pennsylvanica	WSH	Low	17.6	16.0	6.2	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	15
American elm	Ulmus americana	WDH	Medium	29.2	15.4	3.5	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	16
eastern cottonwood	Populus deltoides	NSH	Low	10.4	15.0	9.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	17
eastern redcedar	Juniperus virginiana	WDH	Medium	24.7	11.8	2.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	18
slippery elm	Ulmus rubra	WSL	Low	5.9	7.1	2.3	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	19
waterlocust	Gleditsia aquatica	NSLX	FIA	3.3	6.0	21.5	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	20
Shumard oak	Quercus shumardii	NSL	Low	6.4	4.8	4.7	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	21
boxelder	Acer negundo	WSH	Low	1	3.7	3.9	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	22
bur oak	Quercus macrocarpa	NDH	Medium	8.6	3.5	2.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	23
white ash	Fraxinus americana	WDL	Medium	3.8	2.3	9.7	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	24
red mulberry	Morus rubra	NSL	Low	9	1.3	1.3	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	25
eastern redbud	Cercis canadensis	NSL	Low	5.4	0.5	0.5	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	26
wild plum	Prunus americana	NSLX	FIA	3.8	0.2	0.8	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	27
black locust	Robinia pseudoacacia	NDH	Low	2.1	0.1	0.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	28
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	29
southern red oak	Quercus falcata	WDL	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown			0	30
sassafras	Sassafras albidum	WSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	31