

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	12.3	281.62	29.72	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			0	1
live oak	Quercus virginiana	NDH	High	6.2	144.47	19.22	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	2
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp	NSL	Low	24.2	129.14	13.11	No change	No change	High	Common	Good	Good			1	3
post oak	Quercus stellata	WDH	High	2.1	108.85	13.76	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	1	4
American elm	Ulmus americana	WDH	Medium	10.1	88.06	20.93	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	5
sugarberry	Celtis laevigata	NDH	Medium	11.5	49.67	11.87	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	6
hackberry	Celtis occidentalis	WDH	Medium	8.2	48.93	13.44	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	1	7
cedar elm	Ulmus crassifolia	NDH	Medium	3.6	41.44	19.97	Sm. inc.	No change	Low	Rare	Poor	Very Poor	Infill +		2	8
black willow	Salix nigra	NSH	Low	2.1	22.06	15.45	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	9
blackjack oak	Quercus marilandica	NSL	Medium	1.5	10.85	32.87	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	1	10
eastern redcedar	Juniperus virginiana	WDH	Medium	1.6	7.94	30.29	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	11
pecan	Carya illinoensis	NSH	Low	0.8	7.87	13.11	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			2	12
black oak	Quercus velutina	WDH	High	0.1	6.81	9.46	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	13
black walnut	Juglans nigra	WDH	Low	0.2	5.47	8.54	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	14
durand oak	Quercus sinuata var. sinuata	NSL	FIA	0.4	3.52	3.63	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	15
southern red oak	Quercus falcata	WDL	Medium	0.2	2.74	6.43	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	16
eastern redbud	Cercis canadensis	NSL	Low	0.3	2.25	7.3	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	17
honeylocust	Gleditsia triacanthos	NSH	Low	0.7	0.6	4.25	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	18
wild plum	Prunus americana	NSLX	FIA	0.9	0.29	2.48	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	19
slippery elm	Ulmus rubra	WSL	Low	1.3	0.16	2.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	20
jack pine	Pinus banksiana	NSH	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	21
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	22
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	23
pawpaw	Asimina triloba	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	24
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	25
swamp chestnut oak	Quercus michauxii	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	26
pin oak	Quercus palustris	NSH	Low	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown			0	27