

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
live oak	Quercus virginiana	NDH	High	63.1	409.36	26.32	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	1
post oak	Quercus stellata	WDH	High	20.3	165.38	17.7	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	2
sugarberry	Celtis laevigata	NDH	Medium	46.9	98.76	14.05	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	3
hackberry	Celtis occidentalis	WDH	Medium	23.5	60.3	12.19	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	4
cedar elm	Ulmus crassifolia	NDH	Medium	22.4	43.82	11.02	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	5
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp	NSL	Low	28.9	21.83	3.73	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor			1	6
water oak	Quercus nigra	WDH	High	2.6	12.64	37	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			2	7
pecan	Carya illinoensis	NSH	Low	5.7	7.35	13.54	No change	No change	Low	Rare	Very Poor	Very Poor			0	8
Osage-orange	Maclura pomifera	NDH	Medium	5.7	3.77	7.68	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	9
black willow	Salix nigra	NSH	Low	9.5	2.71	2.62	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	10
boxelder	Acer negundo	WSH	Low	5.7	2.56	4.32	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	11
green ash	Fraxinus pennsylvanica	WSH	Low	3.8	2.45	10.4	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	1	12
blackjack oak	Quercus marilandica	NSL	Medium	7.9	1.87	0.87	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			1	13
white ash	Fraxinus americana	WDL	Medium	2	1.8	3.98	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	14
American elm	Ulmus americana	WDH	Medium	3.8	1.45	6.17	No change	Sm. dec.	Medium	Rare	Poor	Very Poor	Infill +		2	15
red mulberry	Morus rubra	NSL	Low	3.7	1.32	1.43	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	16
sycamore	Platanus occidentalis	NSL	Low	2	0.92	2.04	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	17
white oak	Quercus alba	WDH	Medium	3.8	0.7	2.95	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	18
slippery elm	Ulmus rubra	WSL	Low	3.8	0.64	2.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	19
honeylocust	Gleditsia triacanthos	NSH	Low	2	0.62	1.37	No change	No change	High	Rare	Fair	Fair			0	20
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	0.4	0.54	0.23	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	21
pond cypress	Taxodium ascendens	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	22
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	23
mockernut hickory	Carya alba	WDL	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	24
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	25
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	26
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	27
swamp tupelo	Nyssa biflora	NDH	Medium	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	28