

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	35	1480.51	42.2	No change	No change	Medium	Abundant	Good	Good			0	1
live oak	Quercus virginiana	NDH	High	61.8	653	18.05	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	2
post oak	Quercus stellata	WDH	High	13.9	213.2	20.14	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	3
blackjack oak	Quercus marilandica	NSL	Medium	14.9	146.81	18.16	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	4
sugarberry	Celtis laevigata	NDH	Medium	31.3	96.51	10.36	Lg. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	5
cedar elm	Ulmus crassifolia	NDH	Medium	32.8	68.21	10.72	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	6
black hickory	Carya texana	NDL	High	4.3	67.17	12.38	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	7
hackberry	Celtis occidentalis	WDH	Medium	35.9	59	7	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	8
black cherry	Prunus serotina	WDL	Medium	9.5	48.5	5.4	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	9
bald cypress	Taxodium distichum	NSH	Medium	0.9	30.68	33.33	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	10
pecan	Carya illinoensis	NSH	Low	4.2	20.37	10.26	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			2	11
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp	NSL	Low	13.5	18.17	3.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	12
black walnut	Juglans nigra	WDH	Low	6.9	15.24	2.85	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	13
black willow	Salix nigra	NSH	Low	4.5	11.25	3.17	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	14
sycamore	Platanus occidentalis	NSL	Low	0.8	7.59	6.79	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	15
boxelder	Acer negundo	WSH	Low	2	6.01	3.42	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	2	16
pignut hickory	Carya glabra	WDL	Medium	0.9	5.06	5.5	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	17
Texas ash	Fraxinus texensis	NDH	FIA	0.3	4.21	1.35	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	18
Osage-orange	Maclura pomifera	NDH	Medium	1.3	3.38	5.28	Sm. dec.	No change	High	Rare	Poor	Fair			0	19
green ash	Fraxinus pennsylvanica	WSH	Low	1.1	2.39	3.13	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	1	20
American elm	Ulmus americana	WDH	Medium	1.1	1.42	1.86	No change	No change	Medium	Rare	Poor	Poor			0	21
eastern redcedar	Juniperus virginiana	WDH	Medium	1.6	0.89	1.7	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	22
white oak	Quercus alba	WDH	Medium	1.1	0.68	0.89	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	23
slippery elm	Ulmus rubra	WSL	Low	3.7	0.63	2.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	24
southern red oak	Quercus falcata	WDL	Medium	1	0.44	0.52	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor			0	25
red mulberry	Morus rubra	NSL	Low	2.4	0.27	0.74	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	26
loblolly pine	Pinus taeda	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	27
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	28
swamp tupelo	Nyssa biflora	NDH	Medium	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	29
bur oak	Quercus macrocarpa	NDH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown			0	30
water oak	Quercus nigra	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	31
bluejack oak	Quercus incana	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	32