S43 E93

One x One Degree

Climate Change Atlas Tree Species

Current and Potential Future Habitat, Capability, and Migration

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Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
bur oak	Quercus macrocarpa	NDH	Medium	30.6	126.66	38.98	Sm. dec.	Lg. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	1
boxelder	Acer negundo	WSH	Low	16.8	43.35	22.09	No change	Sm. dec.	High	Rare	Fair	Poor	Infill +	Infill +	2	2
black walnut	Juglans nigra	WDH	Low	10.4	41.63	29.58	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	3
green ash	Fraxinus pennsylvanica	WSH	Low	12.7	33.16	17.71	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	4
silver maple	Acer saccharinum	NSH	Low	4.4	26.6	11.11	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	2	5
American elm	Ulmus americana	WDH	Medium	20.5	19.56	5.83	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	6
eastern cottonwood	Populus deltoides	NSH	Low	7.2	19.43	27.5	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	7
American basswood	Tilia americana	WSL	Medium	4.4	19.09	6.17	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	8
hackberry	Celtis occidentalis	WDH	Medium	10.6	18.94	12.73	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	9
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	0.3	18.2	4.8	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	2	10
black cherry	Prunus serotina	WDL	Medium	21.5	17.96	9.32	No change	Sm. dec.	Low	Rare	Very Poor	Very Poor			2	11
slippery elm	Ulmus rubra	WSL	Low	6.8	8.48	7.4	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	12
quaking aspen	Populus tremuloides	WDH	High	2.7	5.45	12.05	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	13
white oak	Quercus alba	WDH	Medium	3.3	4.8	12.84	No change	Sm. dec.	High	Rare	Fair	Poor	Infill +		2	14
white ash	Fraxinus americana	WDL	Medium	0.3	4.28	1.02	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			2	15
wild plum	Prunus americana	NSLX	FIA	6.6	2.37	3.17	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	16
northern red oak	Quercus rubra	WDH	Medium	3.3	1.39	3.72	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	17
northern pin oak	Quercus ellipsoidalis	NSH	Medium	4.5	1.31	4.7	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	18
serviceberry	Amelanchier spp.	NSL	Low	3.3	1.19	3.2	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	19
peachleaf willow	Salix amygdaloides	NSLX	FIA	3.9	1.17	3.67	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	20
chokecherry	Prunus virginiana	NSLX	FIA	4.5	0.63	2.3	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	21
bitternut hickory	Carya cordiformis	WSL	Low	2.1	0.56	0.94	No change	Sm. inc.	High	Rare	Fair	Good	Infill +		2	22
red mulberry	Morus rubra	NSL	Low	2.1	0.42	0.72	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	23
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	24
sugar maple	Acer saccharum	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	25
pecan	Carya illinoinensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	26
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	27
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	28
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	29
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	30
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	31
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	32
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	33
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	34