

One x One Degree
Climate Change Atlas Tree Species

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Current and Potential Future Habitat, Capability, and Migration

Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
green ash	Fraxinus pennsylvanica	WSH	Low	40.5	111.5	19.7	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	2	1
boxelder	Acer negundo	WSH	Low	28	93.5	25.9	Lg. dec.	Lg. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	2
bur oak	Quercus macrocarpa	NDH	Medium	10.9	44.3	13.1	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	3
American elm	Ulmus americana	WDH	Medium	23.5	37.8	9.2	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	4
American basswood	Tilia americana	WSL	Medium	11.1	31.0	16.7	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			2	5
black ash	Fraxinus nigra	WSH	Medium	5.1	29.5	42.8	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	6
northern red oak	Quercus rubra	WDH	Medium	1.2	26.5	24.6	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			2	7
Siberian elm	Ulmus pumila	NDH	FIA	10	26.3	25.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	8
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	4.8	20.2	15.6	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor	Infill +		2	9
eastern cottonwood	Populus deltoides	NSH	Low	5.9	19.7	7.4	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	10
hackberry	Celtis occidentalis	WDH	Medium	10.5	16.5	12.3	Sm. dec.	Sm. inc.	High	Rare	Poor	Good	Infill +		2	11
red pine	Pinus resinosa	NSH	Medium	4.6	15.2	52.8	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	12
white spruce	Picea glauca	NSL	Medium	4.6	9.5	33.1	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	13
eastern white pine	Pinus strobus	WDH	High	4.6	4.0	14.0	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	14
black willow	Salix nigra	NSH	Low	5.4	2.5	3.6	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	15
white mulberry	Morus alba	NSL	FIA	3.6	1.1	3.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	16
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	17
silver maple	Acer saccharinum	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	18
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	19
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	20