

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 |
|----------------------------|------------------------|-------|--------|-------|--------|-------|-------------|-------------|--------|--------|-------------|-------------|------------|------------|-----|----|
| boxelder | Acer negundo | WSH | Low | 12.7 | 70.7 | 14.8 | Sm. dec. | Sm. dec. | High | Common | Fair | Fair | Infill + | Infill + | 2 | 1 |
| green ash | Fraxinus pennsylvanica | WSH | Low | 9.9 | 65.5 | 15.7 | Sm. dec. | No change | Medium | Common | Poor | Fair | Infill + | Infill + | 2 | 2 |
| American elm | Ulmus americana | WDH | Medium | 13.3 | 40.2 | 11.1 | Sm. dec. | No change | Medium | Rare | Very Poor | Poor | | Infill + | 2 | 3 |
| bur oak | Quercus macrocarpa | NDH | Medium | 6.4 | 25.3 | 10.1 | No change | No change | High | Rare | Fair | Fair | Infill + | Infill + | 2 | 4 |
| eastern cottonwood | Populus deltoides | NSH | Low | 5.4 | 16.9 | 24.9 | No change | No change | Medium | Rare | Poor | Poor | Infill + | Infill + | 2 | 5 |
| American basswood | Tilia americana | WSL | Medium | 1.8 | 7.8 | 2.3 | No change | No change | Medium | Rare | Poor | Poor | Infill + | Infill + | 2 | 6 |
| Siberian elm | Ulmus pumila | NDH | FIA | 4.3 | 6.2 | 4.4 | Unknown | Unknown | NA | Rare | NNIS | NNIS | | | 0 | 7 |
| eastern hophornbeam; ironw | Ostrya virginiana | WSL | Low | 0.9 | 2.5 | 1.5 | No change | No change | High | Rare | Fair | Fair | Infill + | Infill + | 2 | 8 |
| chokecherry | Prunus virginiana | NSLX | FIA | 5.4 | 1.6 | 1.2 | Unknown | Unknown | Medium | Rare | FIA Only | FIA Only | | | 0 | 9 |
| eastern redcedar | Juniperus virginiana | WDH | Medium | 2.3 | 1.5 | 2.4 | Lg. inc. | Lg. inc. | Medium | Rare | Good | Good | | | 2 | 10 |
| hackberry | Celtis occidentalis | WDH | Medium | 1 | 0.7 | 0.4 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | | | 2 | 11 |
| ashe juniper | Juniperus ashei | NDH | High | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 0 | 12 |
| silver maple | Acer saccharinum | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Migrate + | Migrate ++ | 3 | 13 |
| serviceberry | Amelanchier spp. | NSL | Low | 0 | 0 | 0 | Unknown | Unknown | Medium | Absent | Unknown | Unknown | | | 0 | 14 |
| honeylocust | Gleditsia triacanthos | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 0 | 15 |
| pin cherry | Prunus pensylvanica | NSL | Low | 0 | 0 | 0 | Unknown | Unknown | Medium | Absent | Unknown | Unknown | | | 0 | 16 |
| swamp white oak | Quercus bicolor | NSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 0 | 17 |
| post oak | Quercus stellata | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 0 | 18 |
| black locust | Robinia pseudoacacia | NDH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 3 | 19 |
| cedar elm | Ulmus crassifolia | NDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Low | Absent | New Habitat | New Habitat | | | 0 | 20 |
| slippery elm | Ulmus rubra | WSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3 | 21 |