Forests of Ohio, 2020
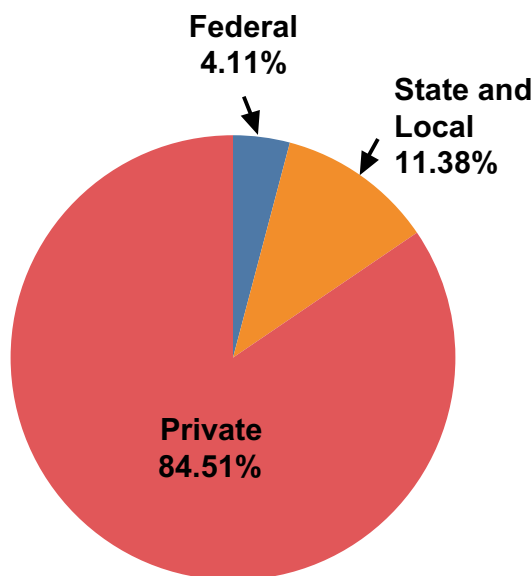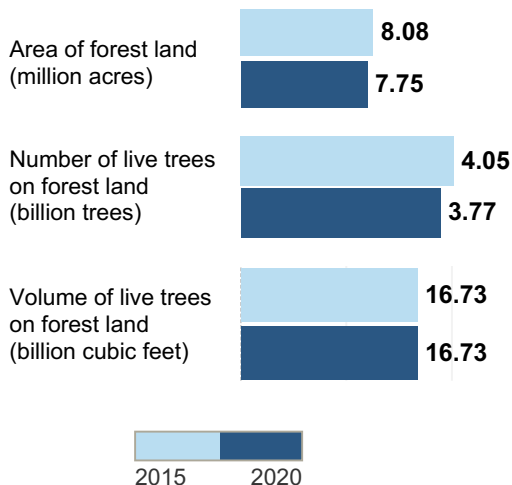
29% forested*
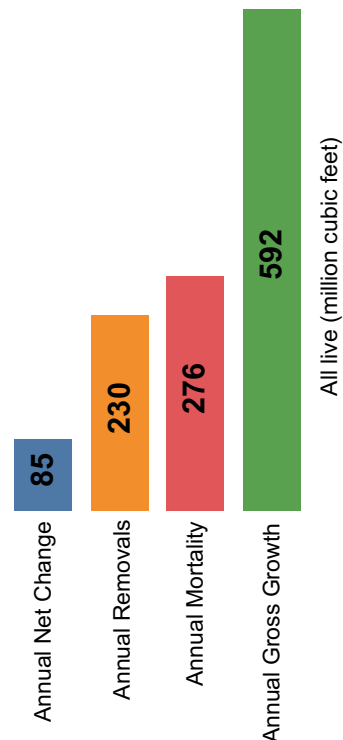
Ohio has an estimated **7,752,441** acres of forest land.
* Percent forest is forest area/total area. Percent forest with water removed from total area is 30%.

This resource update is a brief look at some of the basic metrics that describe the status of and changes to forest resources in Ohio. This information is based on field data collected using the USDA Forest Service Forest Inventory and Analysis (FIA) annualized sample design, and it is updated yearly.

Ohio has 4,146 sample plots across the State, of which 1,529 are currently forested. Each year, about 10-20 percent of these plots are visited and measured by field crews. Data used in this update were accessed from the FIA database on 06/23/2023.

Area of forest land (million acres)
- 8.08
- 7.75

Number of live trees on forest land (billion trees)
- 4.05
- 3.77

Volume of live trees on forest land (billion cubic feet)
- 16.73
- 16.73

2015   2020

Forest land ownership

- Federal 4.11%
- State and Local 11.38%
- Private 84.51%

All live (million cubic feet)
- Annual Net Change: 85
- Annual Removals: 230
- Annual Mortality: 276
- Annual Gross Growth: 592

16,795 acres of nonforest revert back to forest annually*

46,128 acres of forest land convert annually* to nonforest

1,418 acres of forest land are disturbed annually* by fire

93,144 acres of forest land are treated by cutting (harvest, thinning, etc.) annually*

28,226 acres of forest land are disturbed annually* by weather events

USDA Forest Service - Forest Inventory & Analysis

Forests of Ohio, 2020

How to cite this publication

Archived Versions

This report and archived past versions can be found on the USDA Forest Service publication database, Treesearch using keywords "Forest Inventory" and "Ohio" here: https://www.fs.usda.gov/research/treesearch

National Woodland Owner Survey

The National Woodland Owner Survey (NWOS) collects and reports on multiple attributes of forest land ownership. Details of the NWOS program can be found here: https://www.fs.usda.gov/research/programs/fianwos

The most recent NWOS Factsheet for Ohio can be found here: https://www.nrs.fs.fed.us/pubs/52412/.

Additional Resources

The application that produced this resource update was developed using data from the USDA Forest Service Forest Inventory and Analysis database (FIADB): https://www.fs.usda.gov/research/products/dataandtools/datasets/fia-datamart .

Tables for Ohio, 2020 can be found here: https://doi.org/10.2737/FS-RU-341-Tables

The FIA one-click application can be found here: https://doi.org/10.2737/FIA-One-Click-State-Report-v1.2

Bechtold, W.A.; Patterson, P.L., eds. 2005. The enhanced Forest Inventory and Analysis program—national sampling design and estimation procedures. Gen. Tech. Rep. SRS–80. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 85 p. https://doi.org/10.2737/SRS-GTR-80 .

NOTE: Some of the above links will not be active until the resource update has been approved for official publication.