

# FIA Resource Use Monitoring

## TPO Toolkit:

- [TPO One-Click Fact Sheets](#)
- [TPO Interactive Reporting Tool](#)
- [TPO Data Download](#)



Photo 1: Log yard (Photo by Tony Johnson, FS Retired)

## More Information

For more information on the FIA program and its components, visit the national FIA website:

<https://www.fia.fs.fed.us/>

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Forest Inventory and Analysis' (FIA) Resource Use Monitoring program collects information to further classify FIA's harvest removals estimates. The effort includes the **Timber Products Output (TPO)** and the **Logging Utilization** studies.

The **TPO studies** are conducted to estimate industrial and non-industrial uses of roundwood across the United States. Primary wood-using mills (those using roundwood to produce a primary product such as lumber, veneer sheets, poles, etc.) are sampled, by state, to estimate roundwood usage. Until recently TPO was conducted periodically as a 100 percent canvass of primary mills and with varying frequency across regions. Current methodology uses an annual sample design applied nationwide.

Our questionnaires are designed to determine location, size, and types of primary mills in a state, and the volume of roundwood received, by species, and geographic origin. We also determine the volume, type and disposition of wood residues generated during primary processing.

The **Logging Utilization** studies are conducted to determine the logging residue component of FIA's harvest removals. This is done by visiting a cross-section of logging operations in a state to characterize the sites logged, trees harvested, volume utilized per tree, products taken, and residues left behind.

FIA's Resource Use Monitoring publications are available online through the USDA Forest Service Research search engine Treearch at: <http://www.treearch.fs.fed.us/>

## TPO Toolkit

FIA has developed various tools for reporting and viewing TPO information. These tools have been grouped into a TPO Toolkit and can be found on the FIA website at <https://www.fia.fs.fed.us/program-features/tpo/>.

- The **TPO One-Click Fact Sheets** allows visitors to view TPO fact sheets for any state of interest. Click on the desired state on the map to produce a real-time fact sheet of that state based on current TPO data. Data include state-wide roundwood production by product type (e.g., saw-logs, pulpwood, etc.), number of primary mills, historical roundwood production by major species group (hardwood/softwood), and general wood flow information (i.e., volume of imports, exports, retained (i.e., harvested and used in state), etc.
- The **TPO Interactive Reporting Tool** allows visitors to view TPO data via an interactive experience. Click or select desired state(s) or counties on the map to produce a set of TPO tables based on the geographic area and year of interest. The TPO Interactive Tool includes estimates of roundwood products by county, tree species and land ownership, logging residue, mill residue, residential fuelwood, and other removals based on the selected area.
- The **TPO Data Download** allows visitors to download TPO data at the state and county level. This tool provides TPO data in a .xlsx file format at the most granular state and county level publicly available to our users. These files allow visitors to produce estimates of timber products, logging residue, mill residue, residential fuelwood, and other removals at the state and county level.
- The **TPO Explorer** tool is under construction but will allow the user to investigate the spatial and temporal patterns in roundwood production, logging residue, mill residue, residential fuelwood, and other removals.



Photo 2: Staves yard for barrel production - Lebanon, Kentucky (Photo by Consuelo Brandeis)