

Forest Products data developed for the 2020 Resources Planning Act (RPA) Assessment^{1,2} and related efforts. These data can be used for understanding historical trends in the production and consumption of forest products and how those trends may change into the future in U.S. markets and around the world. Understanding these market dynamics can inform planning by anticipating trends in future demand for forest products. All datasets are available in tabular summaries by global region, nation, or RPA region (dataset dependent) as csv files.

DATA DESCRIPTION	UNITS	SPATIAL EXTENT	SPATIAL RESOLUTION	TEMPORAL DOMAIN	POTENTIAL USE*
<u>Current and Recent Past</u>					
<u>Global Forest Products</u> ^{†,3,4} <i>Historical</i>	<i>Paper & Pulp, Wood pellets:</i> Metric tons <i>Other Products:</i> Million cubic meters OR <i>All: Price in 2015 U.S. dollars</i>	Global	Summary by country/ collection of countries	1990 – 2015 (varies by country) <i>Annual timestep</i> 2012 – 2015 (<i>wood pellets</i>)	Global-level to National-level applications. These data report physical quantities of consumption, production, imports, exports, and net exports (exports minus imports), as well as unit prices of 20 different forest products. Data also include forest area and physical quantities of timber inventory (stocks). Roundwood, fuelwood, sawnwood (lumber), and timber inventory are separated into coniferous and non-coniferous categories. Data are reported by nation, including the United States, with some smaller nations aggregated.
<u>U.S. Forest Products</u> ^{†,3,4} <i>Historical</i>	<i>Paper & Pulp, Wood pellets:</i> Metric tons <i>Other Products:</i> Million cubic meters OR <i>All: Price in 2015 U.S. dollars</i>	U.S.	RPA Region	1990 – 2015 <i>Annual timestep</i> 2012 – 2015 (<i>wood pellets</i>)	National-level applications. Data can be used to help understand historical trends in forest sector supply and demand conditions for particular forest products. These data report physical quantities of consumption, production, imports, exports, and net exports (exports minus imports), as well as unit prices of 20 different forest products. Data also include forest area and physical quantities of timber inventory (stocks). Roundwood, fuelwood, sawnwood (lumber), and timber inventory are separated into coniferous and non-coniferous categories.

DATA DESCRIPTION	UNITS	SPATIAL EXTENT	SPATIAL RESOLUTION	TEMPORAL DOMAIN	POTENTIAL USE*
<u>Future Projections</u>					
<u>Global Forest Products</u> ^{†,3,4} <i>Available for each RPA scenario</i> ⁵	<i>Paper & Pulp, Wood pellets:</i> Metric tons <i>Other Products:</i> Million cubic meters OR <i>All: Price in U.S. dollars</i>	Global	Summary by Nation & RPA Region	2020 – 2070 <i>5-year timestep</i>	Global-level to National-level applications. Summarized data can be used to anticipate changes in supply and demand of forest products and how such changes might vary under different future scenarios. Dynamics between future supply and demand could inform long-term planning, depending on the forest products produced. These data are projections of prices and physical quantities of consumption, production, imports, exports, and net trade (exports minus imports) for 20 different forest products. Projections of forest area and the physical quantity of timber inventory (stocks) are also provided. Data are aggregated by nation with some smaller nations grouped together except for the United States, where data are aggregated by RPA Region. Roundwood, fuelwood, sawnwood (lumber), and timber inventory are separated into coniferous and non-coniferous categories.

* A description of FS business applications by spatial scales is available in Table 1-1 of the [Existing Vegetation Classification, Mapping, and Inventory Technical Guide, v2.0](#)

† Denotes corresponding datasets exist in both the *Current and Recent Past* and *Future Projection* sections of the table

References and Footnotes:

- ¹ Johnston, Craig M.T.; Guo, Jinggang; Prestemon, Jeffrey P. 2023. Forest Products. In: U.S. Department of Agriculture, Forest Service. 2023. Future of America's Forest and Rangelands: Forest Service 2020 Resources Planning Act Assessment. Gen. Tech. Rep. WO-102. Washington, DC: xx-xx. Chapter 7. <https://doi.org/10.2737/WO-GTR-102-Chap7>
- ² The RPA website provides links to current and past RPA Assessments, as well as supporting data, technical reports, and webinars: <https://www.fs.usda.gov/research/inventory/rpaa>
- ³ Johnston, Craig M. T.; Guo, Jinggang; Prestemon, Jeffrey P. 2022. RPA forest products market data for U.S. RPA Regions and the world, 2015-2070, based on projections from the FOREst Resource Outlook Model (FOROM). Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2022-0073>
- ⁴ Johnston, Craig M.T.; Guo, Jinggang; Prestemon, Jeffrey P. 2021. The FOREst Resource Outlook Model (FOROM): a technical document supporting the Forest Service 2020 RPA Assessment. Gen. Tech. Rep. SRS-254. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 19 p. <https://doi.org/10.2737/SRS-GTR-254>
- ⁵ For information on the scenarios used in the 2020 RPA Assessment, see: Langner, Linda L.; Joyce, Linda A.; Wear, David N.; Prestemon, Jeffrey P.; Coulson, David; O'Dea, Claire B. 2020. Future scenarios: A technical document supporting the USDA Forest Service 2020 RPA Assessment. Gen. Tech. Rep. RMRS-GTR-412. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 34 p. <https://doi.org/10.2737/RMRS-GTR-412>