Forest Impacts Williams County’s Economy

Eric McConnell, Ph.D., Assistant Professor and Forest Operations and Products Extension Specialist, School of Environment and Natural Resources, The Ohio State University.

Williams County’s Forests

- Nonforest Land: 85%
- Forest Land: 15%

- Publicly Owned: 14%
- Privately Owned: 86%

- Red Oaks: 30%
- Soft Maple: 23%
- Basswood: 13%
- All Other Species: 34%

Informational Resources

School of Environment and Natural Resources
The Ohio State University
2021 Coffey Rd.
Columbus, OH 43210
Phone: (614) 688-3421
Web: [ohiowood.osu.edu](http://ohiowood.osu.edu)
[woodlandstewards.osu.edu](http://woodlandstewards.osu.edu)

Ohio State University Extension, Williams County
1425 East High St.
Bryan, OH 43506-1599
Phone: (419) 636-5608
Fax: (419) 636-0595
Web: [williams.osu.edu](http://williams.osu.edu)

Ohio Division of Forestry
952-B Lima Ave.
Findlay, OH 45840-2320
Phone: (419) 424-5004
Fax: (419) 424-5008
Web: [www.forestry.ohiodnr.gov/serviceforesters](http://www.forestry.ohiodnr.gov/serviceforesters)

Williams County Soil and Water Conservation District
1120 West High St.
Bryan, OH 43506-1187
Phone: (419) 636-9395
Fax: (419) 636-8645
Web: [www.williamsswcd.org](http://www.williamsswcd.org)

Ohio Society of American Foresters Directory
[www.osafdirectory.com](http://www.osafdirectory.com)

Ohio Forestry Association
Master Logging Company Program
Office: 746 Morrison Rd., Columbus, OH 43230
Mail: 1100-H Brandywine Blvd., Zanesville, OH 43701
Phone: (614) 497-9580
Fax: (614) 497-9581
Web: [www.ohioforest.org](http://www.ohioforest.org)

Call Before You Cut
Phone: (877) 424-8288
Web: [www.callb4ucut.com](http://www.callb4ucut.com)
## Williams County’s Forest Industries

<table>
<thead>
<tr>
<th></th>
<th>Jobs</th>
<th>Output</th>
<th>Labor Income</th>
<th>Value Added</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct Impacts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forestry and Logging</td>
<td>41</td>
<td>$3,187,000</td>
<td>$1,735,000</td>
<td>$1,213,000</td>
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<tr>
<td>Wood Products</td>
<td>193</td>
<td>$36,970,000</td>
<td>$8,821,000</td>
<td>$10,862,000</td>
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<tr>
<td>Manufacturing</td>
<td>45</td>
<td>$17,408,000</td>
<td>$2,613,000</td>
<td>$3,216,000</td>
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<tr>
<td>Paper Manufacturing</td>
<td>310</td>
<td>$59,522,000</td>
<td>$14,513,000</td>
<td>$19,982,000</td>
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<tr>
<td><strong>All Forest Industries</strong></td>
<td>589</td>
<td>$117,088,000</td>
<td>$27,681,000</td>
<td>$35,274,000</td>
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<tr>
<td><strong>Type SAM Economic Multipliers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Forestry and Logging</td>
<td>1.34</td>
<td>1.39</td>
<td>1.38</td>
<td>1.58</td>
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<tr>
<td>Wood Products</td>
<td>1.45</td>
<td>1.28</td>
<td>1.42</td>
<td>1.50</td>
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<tr>
<td>Manufacturing</td>
<td>1.63</td>
<td>1.22</td>
<td>1.31</td>
<td>1.61</td>
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<tr>
<td>Paper Manufacturing</td>
<td>1.40</td>
<td>1.25</td>
<td>1.32</td>
<td>1.41</td>
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<tr>
<td><strong>All Forest Industries</strong></td>
<td>1.38</td>
<td>1.24</td>
<td>1.30</td>
<td>1.43</td>
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<tr>
<td><strong>Total Impacts</strong></td>
<td></td>
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<tr>
<td>Forestry and Logging</td>
<td>55</td>
<td>$4,424,000</td>
<td>$2,185,000</td>
<td>$1,911,000</td>
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<td>Wood Products</td>
<td>281</td>
<td>$47,276,000</td>
<td>$12,183,000</td>
<td>$16,249,000</td>
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<td>Manufacturing</td>
<td>73</td>
<td>$21,246,000</td>
<td>$3,720,000</td>
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<td>Paper Manufacturing</td>
<td>436</td>
<td>$74,224,000</td>
<td>$19,056,000</td>
<td>$20,089,000</td>
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<tr>
<td><strong>All Forest Industries</strong></td>
<td>814</td>
<td>$145,187,000</td>
<td>$36,091,000</td>
<td>$50,353,000</td>
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<td><strong>Location Quotients</strong></td>
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<tr>
<td>Forestry and Logging</td>
<td>3.27</td>
<td>1.51</td>
<td>2.83</td>
<td>2.03</td>
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<td>Wood Products</td>
<td>4.25</td>
<td>3.27</td>
<td>5.09</td>
<td>5.27</td>
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<tr>
<td>Manufacturing</td>
<td>1.00</td>
<td>0.56</td>
<td>0.84</td>
<td>0.61</td>
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<tr>
<td>Paper Manufacturing</td>
<td>9.38</td>
<td>8.04</td>
<td>11.23</td>
<td>10.56</td>
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<tr>
<td><strong>All Forest Industries</strong></td>
<td>4.34</td>
<td>2.25</td>
<td>4.11</td>
<td>3.60</td>
</tr>
</tbody>
</table>

(---) is withheld data to prevent potential disclosure of individual company information. Note: total impacts should not be added across industries. This incorrectly estimates the contributions of all forest industries due to any interactions occurring between individual sectors.

### Terminology

**Direct Impacts** - the effects generated by a county’s forest industries to meet the final demand for wood and fiber products.

**Type SAM (Social Accounting Matrix) Economic Multipliers** - figures quantifying the forest industries’ influences on other economic sectors. They are defined by dividing the sum of the direct, indirect, and induced impacts by the direct impact.

**Total Impacts** - the summed effects of the forest industries’ direct, indirect, and induced impacts on the county’s economy.

**Location Quotients (LQs)** - ratios comparing the forest industries’ relative contributions at the county level to their national share of the U.S. economy, which provides measures of specialization. Here, the forest industries’ LQs are defined as ≤ 1.00 - not specialized; 1.01 - 5.00 - specialized; 5.01 - 15.00 - highly specialized; ≥ 15.01 - very highly specialized.

### Sources

U.S. Census Bureau; U.S. Forest Service Forest Inventory and Analysis; and Input-Output Models of the U.S. and Williams County, Ohio, IMPLAN LLC. All data are for the year 2012 and are reported in 2012 dollars.

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Bruce McPherson, Ph.D., Vice President for Agricultural Administration & Dean

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