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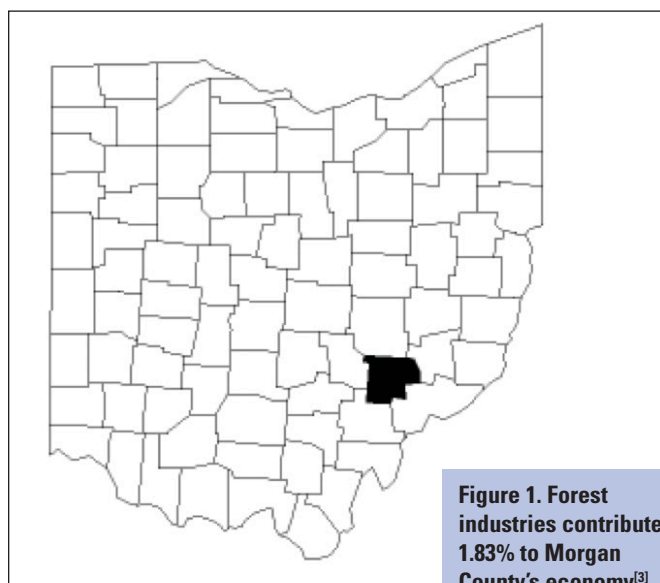
# Morgan County's Forest Economy

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Morgan County contains 422 square miles (269,888 acres) of land and is home to 15,054 citizens<sup>[1]</sup>. There are 117 industries in the county<sup>[2]</sup>, with the median household earning an income of \$34,962<sup>[1]</sup>. Major employers include businesses in the sectors of state and local governments, nursing and residential care facilities, and motor vehicle parts manufacturing<sup>[2]</sup>.

The land resources of Morgan County provide many economic benefits. The county's 510 agricultural farms produce cattle and calves, dairy and milk, and agronomic crops, among others<sup>[3]</sup>. An abundance of wooded acres are

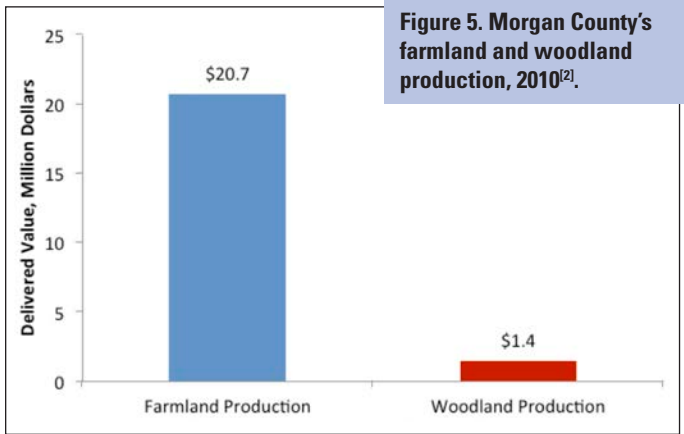
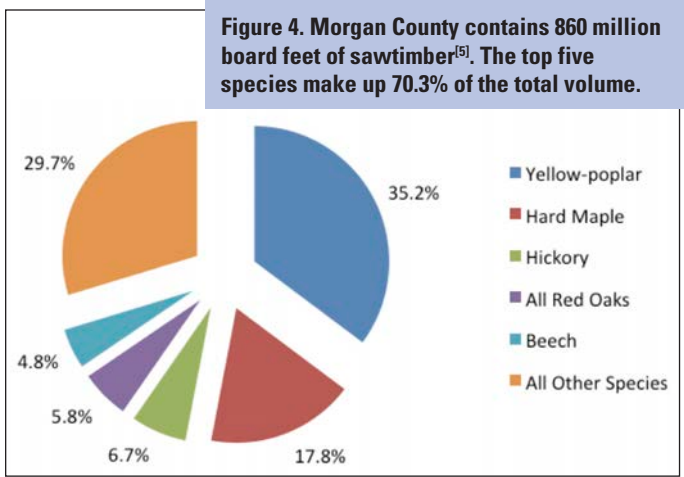
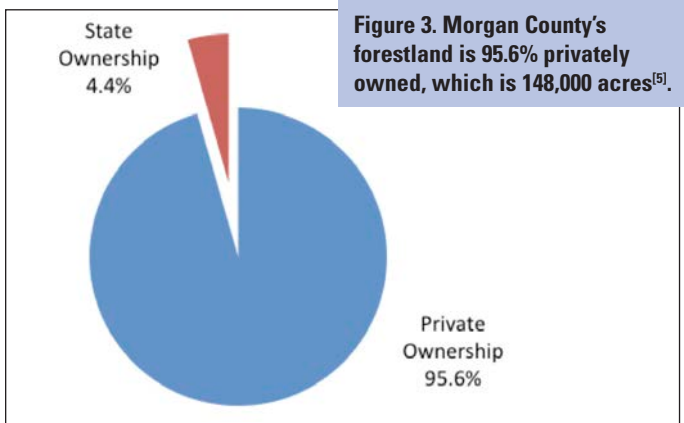
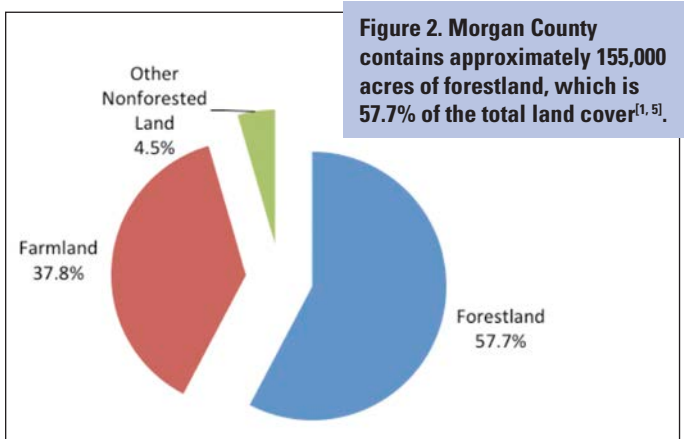
also present, providing community support to the county's forest industries. These businesses generate \$9.58 million in industrial output and \$655,000 in taxes<sup>[2]</sup>.

Some of the many contributions Morgan County's forests and forest industries provide to the local economy are illustrated in this fact sheet using key figures and statistics. Figures 2–4, describing Morgan County's forest resources, were constructed using data from the 2011 forest survey database provided by the United States Forest Service's Forest Inventory and Analysis. Figures 5–8 explain the county's forest industries and were developed from data analyzed using IMPLAN<sup>®</sup>. Table 1 summarizes the IMPLAN<sup>®</sup> model for Morgan County's economy.<sup>a</sup>

## Benefits of Woodland Management

- Properly managing your woodland improves forest health, aesthetics, and wildlife habitat. It also provides soil stabilization, clean water, self-satisfaction, and a potential source of income.
- Managing timber requires less long-term inputs compared to many other land uses.
- You are able to obtain cost share funds to establish your woodland, tax credits while managing your forest property, and preferable tax treatment at harvest.
- Standing timber is a stable form of wealth, often comparable in performance to mutual fund investments.

<sup>a</sup>For more information regarding IMPLAN<sup>®</sup> and the economic impact analyses for Morgan County, please contact the first author in the School of Environment and Natural Resources.



## How Can I Learn to Better Manage My Woodland?

- Become actively involved in the stewardship of your property.
- Join your local forestry association.
- Search Ohio State University Extension's website [Ohioline](http://ohioline.osu.edu/for-fact/index.html) for further study of Forestry related topics, <http://ohioline.osu.edu/for-fact/index.html>.
- Contact your local service forester to help you develop a management plan for your property.
- Obtain soils information from your local Soil and Water Conservation District.
- Enlist the assistance of a professional forester when planning a timber sale.
- Consider hiring an Ohio Master Logging Company to conduct your harvesting operation.

## For More Information, Please Consult the Following Sources

### School of Environment and Natural Resources

The Ohio State University  
2021 Coffey Road  
Columbus, OH 43210  
Phone: (614) 688-3421

Web: <http://www.ohiowood.osu.edu/>  
<http://woodlandstewards.osu.edu/>

### Ohio State University Extension, Morgan County

155 East Main St., Suite 320; P.O. Box 179  
McConnelsville, OH 43756  
Phone: (740) 962-4854  
Fax: (740) 962-6508  
Web: <http://morgan.osu.edu/>

### Ohio Division of Forestry

360 East State St.  
Athens, OH 45701  
Phone: (740) 589-9909  
Fax: (740) 589-9929

Web: <http://www.ohiodnr.com/Home/landowner/LandownerAssistance/tabid/5279/Default.aspx>

### Morgan County Soil and Water Conservation District

167 South Kennebec Ave.  
McConnelsville, OH 43756  
Phone: (740) 962-4234  
Fax: (740) 962-5651

Web: <http://www.dnr.state.oh.us/MorganCounty/tabid/21123/Default.aspx>

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

**Ohio Forestry Association**

Master Logging Company Program  
 Office: 746 Morrison Road, Columbus, OH 43230  
 Mail: 1100-H Brandywine Boulevard,  
 Zanesville, OH 43701  
 Phone: (614) 497-9580  
 Fax: (614) 497-9581  
 Web: <http://www.ohioforest.org/>

**Call Before You Cut**

Phone: (877) 424-8288  
 Web: <http://www.callb4ucut.com/>

**Terminology<sup>[5, 6]</sup>**

**Acres:** A unit of land measure equal to 43,560 square feet (208.7 feet x 208.7 feet). One square mile equals 640 acres.

**Direct Economic Impact:** The effect generated by the industry of interest in an economic impact analysis. This is measured through employment, value-added, and industrial output produced to meet demand for the manufactured product(s).

**Direct Federal Tax Impact:** Taxes collected by the U.S. government. These taxes are generated from labor income, indirect business taxes, households, and corporations associated with the industry of interest.

**Direct State and Local Tax Impact:** Taxes paid to state, county, and municipal governments. These taxes are generated from labor income, indirect business taxes, households, and corporations associated with the industry of interest.

**Employment:** The total wage and salary and self-employed jobs in a geographical area.

**Indirect Business Taxes:** Sales and excise taxes paid by individuals to businesses through normal operations. They do not include taxes on corporate profits and dividends.

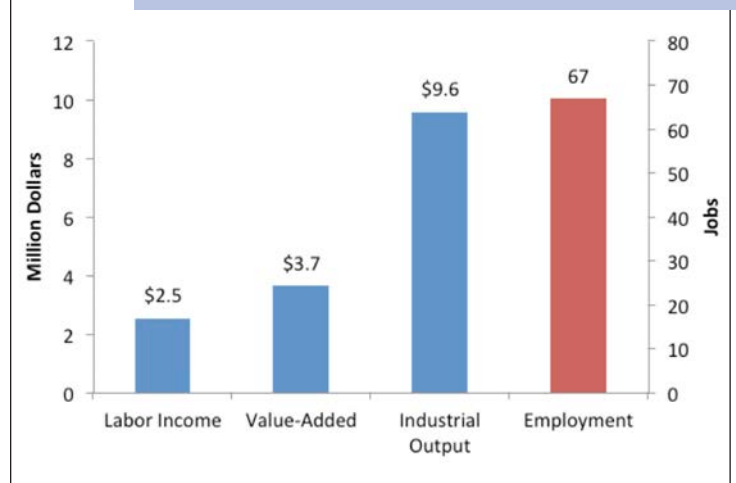
**Industrial Output:** The total value of production measured as the sum of value-added plus the cost of buying goods and services to produce the product(s).

**Labor Income:** Wages and benefits paid to employees plus proprietary income for self-employed work.

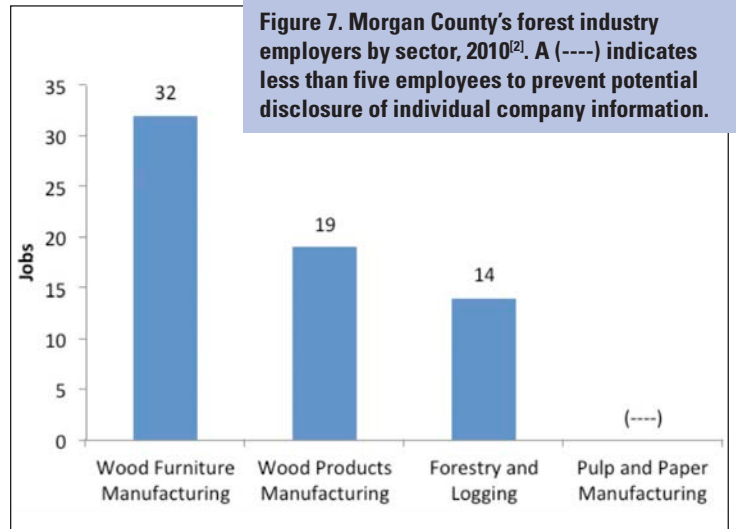
**Sawtimber Volume:** Net volume in board feet by the International 1/4-inch rule of sawlogs in sawtimber trees on timberland. Gross volume minus the deductions that affect use for lumber equals net volume.

**Value-Added:** The sum of labor income, interest, profits, and indirect business taxes.

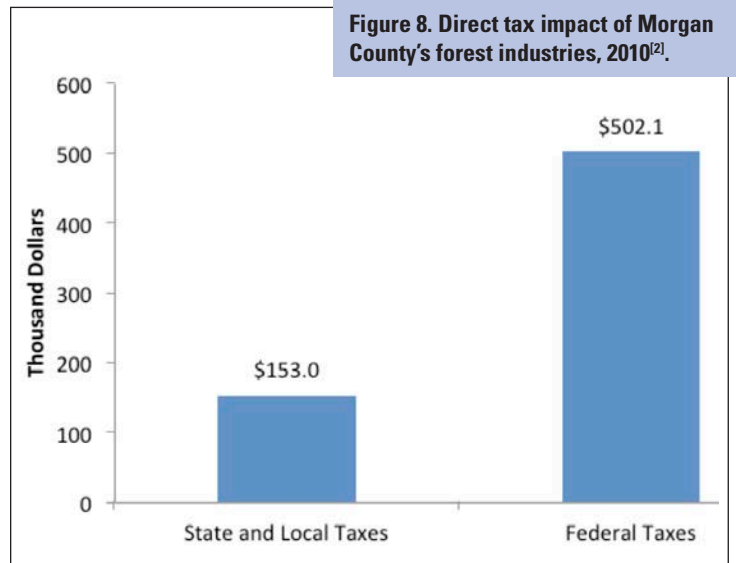
**Figure 6. Direct economic impact of Morgan County's forest industries, 2010<sup>[2]</sup>. Labor income, value-added and industrial output are represented on the left Y-axis, and employment is represented on the right Y-axis.**



**Figure 7. Morgan County's forest industry employers by sector, 2010<sup>[2]</sup>. A (----) indicates less than five employees to prevent potential disclosure of individual company information.**



**Figure 8. Direct tax impact of Morgan County's forest industries, 2010<sup>[2]</sup>.**



**Table 1.** Direct industrial contributions within Morgan County's economy, 2010<sup>[2]</sup>. The IMPLAN model's 440 sectors were aggregated into 12 industries by each sector's 2-digit North American Industry Classification System (NAICS) code number. A (----) indicates less than five employees or a value less than \$500,000 to prevent potential disclosure of individual company information.

Industry NAICS Description	Employment	Labor Income	Value Added	Output
11 Agriculture, Forestry, Fishing, and Hunting	411	\$4,693,479	\$7,508,949	\$23,130,105
<b>113 Forestry and Logging</b>	<b>14</b>	<b>(----)</b>	<b>(----)</b>	<b>\$1,189,883</b>
21 Mining	49	\$3,240,761	\$5,375,110	\$7,198,844
22 Utilities	30	\$1,814,652	\$10,523,272	\$12,481,078
23 Construction	366	\$4,871,396	\$8,342,981	\$33,374,556
31–33 Manufacturing	441	\$27,031,898	\$50,832,290	\$147,848,118
<b>321 Wood Products Manufacturing</b>	<b>19</b>	<b>\$620,461</b>	<b>\$733,682</b>	<b>\$2,801,157</b>
<b>322 Pulp and Paper Manufacturing</b>	<b>(----)</b>	<b>(----)</b>	<b>(----)</b>	<b>(----)</b>
<b>323 Wood Furniture Manufacturing</b>	<b>32</b>	<b>\$1,268,738</b>	<b>\$2,289,139</b>	<b>\$5,172,891</b>
42 Wholesale Trade	114	\$6,961,440	\$13,043,478	\$17,001,778
44–45 Retail Trade	465	\$7,722,557	\$13,175,598	\$22,184,209
48–49 Transportation and Warehousing	238	\$4,419,883	\$6,503,222	\$26,235,762
51–56 Professional Services	773	\$16,477,487	\$73,501,046	\$119,352,871
61–72 Educational, Health, and Recreation Services	1,048	\$17,652,010	\$22,503,706	\$48,430,031
81 Other Services	490	\$5,073,164	\$5,560,337	\$21,334,562
92 Government & non-NAICS Industries	769	\$32,066,867	\$37,007,265	\$45,735,396
<b>Forest Industries</b>	<b>67</b>	<b>\$2,533,116</b>	<b>\$3,657,725</b>	<b>\$9,583,789</b>
<b>Total</b>	<b>5,194</b>	<b>\$132,025,596</b>	<b>\$253,877,254</b>	<b>\$524,307,312</b>

## References

- [1] United States Census. 2010. United States census quick facts. <http://quickfacts.census.gov/qfd/states/39/39115.html>.
- [2] Minnesota IMPLAN Group. 2012. 2010 Ohio state and national package database. MIG, Inc., Hudson, WI.
- [3] United States Department of Agriculture National Agricultural Statistics Service. 2012. 2010 Ohio county summaries. [http://www.nass.usda.gov/Statistics\\_by\\_State/Ohio/Charts\\_and\\_Maps/index.asp](http://www.nass.usda.gov/Statistics_by_State/Ohio/Charts_and_Maps/index.asp).
- [4] United States Forest Service Forest Inventory and Analysis. 2012. Northeast Forest Inventory and Analysis Methodology: Common definitions used by FIA. [http://www.fs.fed.us/ne/fia/methodology/def\\_ah.htm](http://www.fs.fed.us/ne/fia/methodology/def_ah.htm).
- [5] United States Forest Service Forest Inventory and Analysis. 2012. Morgan County 2011 forest survey database. <http://apps.fs.fed.us/fido/standardrpt.html>.
- [6] Minnesota IMPLAN Group. 2004. IMPLAN Professional®: Users Guide, Analysis Guide, Data Guide. 3rd edition. MIG, Inc.

## Acknowledgment

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