Brown County contains 490 square miles (313,610 acres) of land and is home to 44,690 citizens[1]. There are 149 industries in the county[2], with the median household earning an income of $46,000[1]. Major employers include businesses in the sectors of agronomic crop farming, state and local governments, food services, and trucking transport[2].

The land resources of Brown County provide many economic benefits. The county’s 1,490 agricultural farms produce agronomic crops, and cattle and calves, among others[3]. An abundance of wooded acres are also present, providing community support to the county’s forest industries. These businesses generate $28.2 million in industrial output and $1.40 million in taxes[2].

Some of the many contributions Brown 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 Brown 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®. Table 1 summarizes the IMPLAN® model for Brown County’s economy.

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 often able to obtain cost share funds to establish your woodland, property 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.

For more information regarding IMPLAN® and the economic impact analyses for Brown County, please contact the first author in the School of Environment and Natural Resources.

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The Ohio State University Extension

FACT SHEET
Agriculture and Natural Resources

Brown County’s Forest Economy

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Forest Operations and Products Specialist
Ohio State University Extension

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Agriculture and Natural Resources
Ohio State University Extension, Adams/Brown/Highland Counties

Figure 1. Forest industries contribute 1.77% to Brown County’s economy[2,3].

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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.
- Contact your local service forester at the Ohio Division of Forestry 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 Rd.
Columbus, OH 43210
Phone: (614) 688-3421
Web: www.ohiowood.osu.edu
http://woodlandstewards.osu.edu/

Ohio State University Extension, Brown County
325 West State St., Building B
Georgetown, OH 45121
Phone: (937) 378-6716
Fax: (937) 378-6646
Web: http://brown.osu.edu/

Ohio Division of Forestry
704 South Main St.
Georgetown, OH 45121-9701
Phone: (937) 378-4920
Fax: (937) 378-2568

Brown County Soil and Water Conservation District
706 South Main St.
Georgetown, OH 45121
Phone: (937) 378-4424
Fax: (937) 378-6710
Web: www.brownswcd.org

Ohio Society of American Foresters
www.osafdirectory.com

Figure 2. Brown County contains over 68,000 forested acres, which is 21.4% of the total land cover[5].

Figure 3. All of Brown County’s forestland is privately owned[5].

Figure 4. Brown County contains 426 million board feet of sawtimber[5]. The top five species make up 66.1% of the total volume.

Figure 5. Brown County’s farmland and forestland production, 2010[5]. This figure does not include harvests from government lands.
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: http://www.ohioforest.org/

Call Before You Cut
Phone: (877) 424-8288
Web: http://www.callb4ucut.com/

Terminology
Acre: 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 United States 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.
Table 1. Direct industrial contributions within Brown County’s economy, 2010\(^{[2]}\). 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.

<table>
<thead>
<tr>
<th>Industry NAICS Description</th>
<th>Employment</th>
<th>Labor Income</th>
<th>Value Added</th>
<th>Industrial Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 Agriculture, Forestry, Fishing, and Hunting</td>
<td>1,680</td>
<td>$19,117,493</td>
<td>$31,773,473</td>
<td>$93,422,823</td>
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<tr>
<td>113 Forestry and Logging</td>
<td>(----)</td>
<td>(----)</td>
<td>(----)</td>
<td>(----)</td>
</tr>
<tr>
<td>21 Mining</td>
<td>27</td>
<td>$2,583,233</td>
<td>$5,143,711</td>
<td>$7,438,064</td>
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<td>22 Utilities</td>
<td>345</td>
<td>$45,160,079</td>
<td>$152,644,098</td>
<td>$187,760,217</td>
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<tr>
<td>23 Construction</td>
<td>1,475</td>
<td>$27,881,161</td>
<td>$41,854,688</td>
<td>$142,605,707</td>
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<tr>
<td>31–33 Manufacturing</td>
<td>770</td>
<td>$33,819,563</td>
<td>$55,246,539</td>
<td>$199,061,694</td>
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<tr>
<td>321 Wood Products Manufacturing</td>
<td>62</td>
<td>$1,614,759</td>
<td>$2,635,877</td>
<td>$8,393,162</td>
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<tr>
<td>337 Wood Furniture Manufacturing</td>
<td>11</td>
<td>(----)</td>
<td>(----)</td>
<td>$1,215,656</td>
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<tr>
<td>42 Wholesale Trade</td>
<td>265</td>
<td>$10,457,592</td>
<td>$24,553,048</td>
<td>$33,726,624</td>
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<tr>
<td>44–45 Retail Trade</td>
<td>1,542</td>
<td>$30,361,782</td>
<td>$48,648,519</td>
<td>$78,289,695</td>
</tr>
<tr>
<td>48–49 Transportation and Warehousing</td>
<td>1,211</td>
<td>$28,271,963</td>
<td>$40,994,452</td>
<td>$95,336,835</td>
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<tr>
<td>61–72 Educational, Health, and Recreation Services</td>
<td>3,209</td>
<td>$64,247,847</td>
<td>$76,880,648</td>
<td>$146,668,348</td>
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<tr>
<td>81 Other Services</td>
<td>1,267</td>
<td>$37,673,410</td>
<td>$41,117,928</td>
<td>$88,839,299</td>
</tr>
<tr>
<td>92 Government and non-NAICS Industries</td>
<td>2,622</td>
<td>$123,854,503</td>
<td>$140,013,455</td>
<td>$171,402,758</td>
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<tr>
<td>Forest Industries</td>
<td>119</td>
<td>$4,315,621</td>
<td>$8,225,524</td>
<td>$28,205,285</td>
</tr>
<tr>
<td>Total</td>
<td>16,764</td>
<td>$468,197,906</td>
<td>$867,855,899</td>
<td>$1,594,213,403</td>
</tr>
</tbody>
</table>

References


